
Memorandum

The City of Traverse City
Engineering Department



TO: Timothy J. Lodge, P.E., City Engineer
FROM: Jessica Carpenter, EIT, Engineering Technician
DATE: Monday, December 14, 2015
SUBJECT: Executive Summary for 2015 Speed Counts

The City of Traverse City Engineering Department conducted 17 on site speed counts during the summer and fall of 2015. Data was recorded at each location between 1 and 18 days.

The Jamar radar recorders and tube counters gathered data for each lane of traffic; one lane north (or east) bound and one lane south (or west) bound. The speeds of each vehicle were recorded in the device and then compiled into TraxPro where the lanes were combined into one report, regardless of direction. The report divided the speeds into groups starting with 1-15 mph and each successive group at 5 mph increments. Each group shows how many vehicles were within that specific range of speed and at what times.

A summary of each location is shown below:

Eighth St between Franklin St and Railroad Ave

Thursday, March 26—Friday, April 10

- Speed Limit: 25 mph
- Average Speed: 28 mph
- Percent > 25 mph: 73.0%
- 24-hr ADT Weekday: 15,564 vehicles
- 85th Percentile: 33 mph

Wednesday, September 2—Tuesday, September 8

- Speed Limit: 25 mph
- Average Speed: 27 mph
- Percent > 25 mph: 74.4%
- 24-hr ADT Weekday: 10,505 vehicles
- 85th Percentile: 32 mph

Eighth St between Lake Ave and Boardman Ave

Thursday, March 26—Friday, April 10

- Speed Limit: 25 mph
- Average Speed: 28 mph
- Percent > 25 mph: 73.0%
- 24-hr ADT Weekday: 15,337 vehicles
- 85th Percentile: 33 mph



Wednesday, September 2—Tuesday, September 8

- Speed Limit: 25 mph
- Average Speed: 29 mph
- Percent > 25 mph: 81.5%
- 24-hr ADT Weekday: 18,326 vehicles
- 85th Percentile: 33 mph

Eleventh St between Union St and Cass St **

Friday, July 17—Tuesday, July 28

- Speed Limit: 25 mph
- Average Speed: 18 mph
- Percent > 25 mph: 73.1%
- 24-hr ADT Weekday: 809 vehicles
- 85th Percentile: 23 mph

Fifteenth St between Union St and Cass St *

Thursday, June 25—Monday, July 13

- Speed Limit: 25 mph
- Average Speed: 25 mph
- Percent > 25 mph: 49.8%
- 24-hr ADT Weekday: 894 vehicles
- 85th Percentile: 29 mph

Hannah between Fern St and Garfield Ave *

Tuesday, June 30—Tuesday, July 14

- Speed Limit: 25 mph
- Average Speed: 28 mph
- Percent > 25 mph: 77.1%
- 24-hr ADT Weekday: 4784 vehicles
- 85th Percentile: 32 mph

Railroad Ave between Eighth St and Webster St

Tuesday, November 3—Friday, November 6

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



Railroad Ave between State St and Washington St

Tuesday, November 3—Friday, November 6

- Speed Limit: 25 mph
- Average Speed: 22 mph
- Percent > 25 mph: 19.6%
- 24-hr ADT Weekday: 1497 vehicles
- 85th Percentile: 26 mph

Spruce St between Second St and Randolph **

Friday, July 17—Tuesday, July 28

- Speed Limit: 25 mph
- Average Speed: 19 mph
- Percent > 25 mph: 6.5%
- 24-hr ADT Weekday: 641 vehicles
- 85th Percentile: 23 mph

State St between Boardman Ave and Wellington St

Tuesday, September 22—Wednesday, September 23

- Speed Limit: 25 mph
- Average Speed: 22 mph
- Percent > 25 mph: 22.4%
- 24-hr ADT Weekday: 2295 vehicles
- 85th Percentile: 26 mph

State St between Railroad Ave and Franklin St

Tuesday, September 15—Friday, September 18

- Speed Limit: 25 mph
- Average Speed: 22 mph
- Percent > 25 mph: 18.4%
- 24-hr ADT Weekday: 2333 vehicles
- 85th Percentile: 25 mph

W Front St between Hall St and Gillis St

Wednesday, November 11—Friday, November 13

- Speed Limit: 25 mph
- Average Speed: 23 mph
- Percent > 25 mph: 25.4%
- 24-hr ADT Weekday: 12,132 vehicles
- 85th Percentile: 27 mph



Washington St between Boardman Ave and Wellington St

Wednesday, September 23—Friday, September 25

- Speed Limit: 25 mph
- Average Speed: 23 mph
- Percent > 25 mph: 33.7%
- 24-hr ADT Weekday: 1199 vehicles
- 85th Percentile: 28 mph

Washington St between Railroad Ave and Franklin St

Tuesday, September 15—Friday, September 18

- Speed Limit: 25 mph
- Average Speed: 21 mph
- Percent > 25 mph: 23.6%
- 24-hr ADT Weekday: 1077 vehicles
- 85th Percentile: 27 mph

Webster St between Boardman Ave and Wellington St

Wednesday, September 23—Friday, September 25

- Speed Limit: 25 mph
- Average Speed: 21 mph
- Percent > 25 mph: 24.7%
- 24-hr ADT Weekday: 600 vehicles
- 85th Percentile: 27 mph

Webster St between Railroad Ave and Franklin St

Tuesday, September 22—Wednesday, September 23

- Speed Limit: 25 mph
- Average Speed: 23 mph
- Percent > 25 mph: 34.4%
- 24-hr ADT Weekday: 606 vehicles
- 85th Percentile: 28 mph

* Please note that the Cherry Festival was occurring from July 4th to July 11th

** Please note that the Film Festival was occurring from July 28th to August 2rd

Enclosed: Location Map