
Memorandum

The City of Traverse City
Engineering Department



TO: Tim J. Lodge, P.E., City Engineer
FROM: Brogan Beyette, Engineering Intern BB
DATE: August 21, 2012
SUBJECT: Executive Summary for Speed Counts

The City of Traverse City Engineering Department conducted 12 on site speed counts during the summer of 2012. Each individual count recorded data for approximately 5 to 7 days.

The Jamar Radar Recorder that was used 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 0-15 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.

Location 1: 6th St., 800 block

- Speed Limit: 25 mph
- Average Speed: 25 mph
- % ≤ 25 mph: 36%
- % ≤ 30 mph: 78%

Location 2: Milliken Dr.

- Speed Limit: 25 mph
- Average Speed: 29 mph
- % ≤ 25 mph: 15%
- % ≤ 30 mph: 50%

Location 3: Woodmere Ave., S of Hannah

- Speed Limit: 35 mph
- Average Speed: 34 mph
- % ≤ 35 mph: 60%
- % ≤ 40 mph: 94%



Location 4: Woodmere Ave., S of Carver

- Speed Limit: 35 mph
- Average Speed: 29 mph
- % ≤ 35 mph: 82%
- % ≤ 40 mph: 98%

Location 5: Sheridan Rd.

- Speed Limit: 25 mph
- Average Speed: 24 mph
- % ≤ 25 mph: 40%
- % ≤ 30 mph: 80%

Location 6: N Elmwood Ave., 500 block

- Speed Limit: 25 mph
- Average Speed: 23 mph
- % ≤ 25 mph: 47%
- % ≤ 30 mph: 85%

Location 7: N Elmwood Ave., 200 block

- Speed Limit: 25 mph
- Average Speed: 23 mph
- % ≤ 25 mph: 52%
- % ≤ 30 mph: 87%

Location 8: Cass St., At 15th St

- Speed Limit: 25 mph
- Average Speed: 26 mph
- % ≤ 25 mph: 28%
- % ≥ 30 mph: 73%

Location 9: Silver Dr.

- Speed Limit: 25 mph
- Average Speed: 17 mph
- % ≤ 25 mph: 93%
- % ≤ 30 mph: 99%

Location 10: 7th St., 800 block

- Speed Limit: 25 mph
- Average Speed: 26 mph
- % ≤ 25 mph: 28%
- % ≤ 30 mph: 76%



Location 11: N Elmwood Ave., 100 block

- Speed Limit: 25 mph
- Average Speed: 23 mph
- % \leq 25 mph: 56%
- % \geq 30 mph: 90%

Location 12: Wayne St.

- **Up & Downhill (2012, 1 week)**
- Speed Limit: 25 mph
- Average Speed: 25 mph
- % \leq 25 mph: 45%
- % \leq 30 mph: 78%

- **Uphill (2012, 1 week)**
- Average Speed: 24 mph
- % \leq 25 mph: 53%
- % \leq 30 mph: 81%

- **Downhill (2012, 1 week)**
- Average Speed: 25 mph
- % \leq 25 mph: 38%
- % \leq 30 mph: 75%

- **Uphill (2009, 2 days)**
- Average Speed: 26 mph
- % \leq 25 mph: 45%
- % \leq 30 mph: 80%

- **Downhill (2009, 2 days)**
- Average Speed: 29 mph
- % \leq 25 mph: 28%
- % \leq 30 mph: 62%