
Memorandum

The City of Traverse City
Engineering Department



TO: Timothy J. Lodge, P.E., City Engineer
FROM: Jessica Carpenter, E.I.T., Engineering Technician
DATE: Tuesday, July 14, 2015
SUBJECT: Speed Study of Hannah St, 1000 Block between Fern and Garfield Ave.

City Engineering performed an on-site 2-week speed count beginning Tuesday, June 30, 2015 at 11 am until Tuesday, July 14, 2015 at 8 am on the 1000 block of Hannah St. This memo is to formalize City Engineering's initial findings and observations with regard to the speeds of vehicles on the 1000 block of Hannah St.

The data was gathered using a Jamar Radar Recorder which collected traffic data, including vehicle speed, for each lane of traffic (eastbound and westbound). This information was then analyzed and the data for each lane compiled into one report, regardless of direction, using TraxPro. The TraxPro report organized the speeds of the vehicles into groups based on 5 mile per hour increments, starting with 0-15 miles per hour. The report shows how many vehicles were within the specified speed range during the time indicated by the report.

During the 2-week study, 54,001 vehicles were recorded on this section of Hannah with about 74 percent of eastbound vehicles traveling between 21 and 30 miles per hour and an average speed of 27 miles per hour. Westbound vehicles had an average speed of 29 miles per hour, with about 80 percent traveling between 26 and 35 miles per hour. About 69 percent of eastbound vehicles and 85 percent of westbound vehicles were recorded going speeds above the posted speed limit of 25 miles per hour. 85 percent of all vehicles were going 32 mph or slower.

Summary:

- Speed Limit: 25 mph
- Number of Recorded Vehicles (2-weeks): 54,001
- Average Speed: 28 mph
- 85th Percentile Speed: 32 mph
- Total Percentage Above Speed Limit: 77.1 %

Encl.: Detailed TraxPro Speed Report (Separate and Combined)