

## MEMORANDUM

To: Craig D. Ausen, PE, City of Waukesha

From: Alexander Cowan, PE, PTOE

Date: June 5, 2025

Project No.: 24-0447.10

Re: Speed Study - Tenny Avenue between STH 164 and Sunset Drive

### **Background**

The City of Waukesha conducted a speed study using road tube counters along Tenny Avenue between STH 164 and Sunset Drive. The following memorandum summarizes the data gathered during the study.

### **Study Location**

Tenny Avenue is a two-lane undivided roadway that expands to a four-lane divided cross section near the south driveway of the Meijer Grocery Store, as shown in **Figure 1**. The roadway has a 25-mph posted speed limit with sidewalk present along both sides of the roadway.

**Figure 1: Study Location**



Image Courtesy: Google Maps

### **Speed Data**

Speed data was collected from Tuesday, May 13, 2025, to Friday, May 16, 2025. The speed characteristics are summarized below by travel direction. These characteristics include the average speed, the 85<sup>th</sup> percentile speed (85% of vehicles travel at or below this speed), the 10-mph pace (the 10-mph range capturing the highest number of vehicles, also considered the predominant speed range), and the percentage of vehicles exceeding the 25-mph posted speed limit. The figures below provide a profile of the distribution of travel speeds.

#### **Northbound Speed Data Summary**

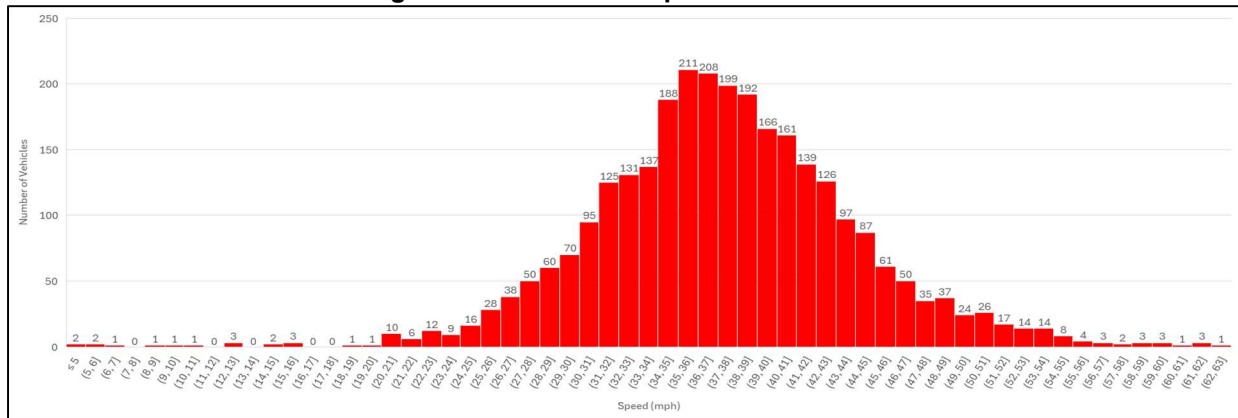
Average Speed: 37.8 mph

85<sup>th</sup> Percentile Speed: 44 mph

10-mph Pace: 33 mph to 42 mph

Percentage of drivers exceeding the posted speed limit: 97.5%

**Figure 2: Northbound Speed Distribution**



#### **Southbound Speed Data Summary**

Average Speed: 30.3 mph

85<sup>th</sup> Percentile Speed: 35 mph

10-mph Pace: 26 mph to 35 mph

Percentage of drivers exceeding the posted speed limit: 85.4%

**Figure 3: Southbound Speed Distribution**

