

# MEMORANDUM

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

From: Alexander Cowan, PE, PTOE

Date: March 19, 2025

Project No.: 24-0477.00

Re: Pewaukee Road & Gascoigne Drive  
Flashing Pedestrian Crossing Sign Request

## Background

A request was made for the installation of a solar-powered pedestrian crossing sign on Pewaukee Road at its intersection with Gascoigne Drive. Pewaukee Road is a 25 mph three-lane roadway (two lanes southbound, one lane northbound). Parking is allowed on both sides of the road south of Gascoigne Drive and only on the east side of the road north of Gascoigne Drive. Gascoigne Drive is a 25 mph roadway that operates under stop control at the study intersection.

Marked crosswalks are provided on all four approaches to the intersection. The Pewaukee Road crosswalks feature a “ladder” marking style. A W11-2 “Pedestrian Crossing” sign in fluorescent yellow-green and the associated diagonal downward arrow sign is provided on both the north and south approaches on the right side of the roadway. In the southbound direction, an advanced warning sign for the pedestrian crossing is provided approximately 175 feet in advance of the crosswalk.

## Field Visit

Field observations were made on Thursday, March 13, 2025. It was noted that the pedestrian crossing signs are beginning to show surface cracking within the reflective sheeting and the sign on the northbound approach showed significant fading.



Figure 1: SB Pedestrian Crossing Sign



Figure 2: NB Pedestrian Crossing Sign

### Crash History

A review of the WisDOT Community Maps tool suggests one crash occurred at the intersection over the past five years. This lone crash occurred in 2024 and resulted in property damage only. There were no reported crashes involving pedestrians over this five-year period.

### Conclusion

Other than the presence of the Kwik Trip Gas Station on the northwest corner of the intersection, the area does not feature a significant pedestrian generator or destination. Gascoigne Drive provides no outlet to the east and pedestrian activity is likely limited to the residential neighborhoods to the east and west. It does not appear to serve as a primary pedestrian route that would warrant the application of a flashing pedestrian crossing sign.

With that in mind, there is an opportunity to improve the quality of the existing signing by replacing fading signs and adding advance warning and crossing signs at this location. It is recommended that the existing W11-2 signs and their associated diagonal downward arrows be replaced with new fluorescent yellow-green signs. An additional sign could be added to the left side of Pewaukee Road in both directions to draw additional attention to the crossing, especially given two lanes are provided in the southbound direction. Also, an advanced warning W11-2 sign with an "Ahead" plaque could be added in the northbound direction, approximately 150 feet in advance of the crosswalk. Figure 3 illustrates the recommended sign improvements.

**Figure 3: Signing Recommendations**

