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DEPARTMENT OF PUBLIC WORKS
Engineering Division – Traffic Section
2625 E. Glendale Avenue
Appleton, WI 54911
TEL (920) 832-5580
FAX (920) 832-5570

To: Municipal Services Committee
From: Eric Lom, City Traffic Engineer
Date: March 15, 2022
Re: Change to intersection traffic control at the Amelia Street / Wayne Street intersection
Follow-Up to Six-Month Trial Period

Based on a request from Alderperson Meltzer, the Traffic Section recently reviewed the traffic control at the intersection of Amelia Street and Wayne Street, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located one block north of Wisconsin Avenue and three block-equivalents west of Ballard Road. The land use in this area is mixture of commercial and residential. Both streets are classified as *local*.

In a typical intersection control study, we consider traffic volumes, crash history, safe approach speeds, etc. In this case, the entering volume of this intersection is relatively low, at approximately 650 vehicles per day. A review of crash records indicated one reportable crash for the recent five-year period of 2016 through 2020. The critical approach speed for the intersection was found to be approximately 7 mph, due primarily to the building in the southwest quadrant of the intersection.

While this intersection does not meet the volume threshold for stop control, the critical approach speed is below the standard for yield control. As such, we recommend maintaining the two-way stop control that was implemented for the trial period.

To accomplish this, the following ordinance action is required:

1. **Create:** "Install stop signs on Wayne Street at Amelia Street."