



# CITY OF APPLETON

## MEMORANDUM

**Date:** 8/5/24  
**To:** Municipal Services Committee  
**From:** Eric Lom, P.E., City Traffic Engineer  
**Subject:** Mary St / North Street (north leg) intersection control (proposed 1-way stop)

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Based on a request from Alderperson Smith, the Traffic Section recently reviewed the traffic control at the uncontrolled intersection of Mary Street / North Street (north leg). This three-legged "T" intersection is located three block-equivalents east of Rankin Street and one block south of Pacific Street. The land use in this area is primarily residential. Both streets are functionally 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 (less than 1000 vehicles per day). A review of crash records indicated zero reportable crashes for the past five years. The critical approach speed for the intersection was found to be approximately 6 mph, which is primarily due to homes and vegetation located in the NW and NE quadrants.

While this intersection does not meet the traffic volume or crash frequency thresholds for stop control, the critical approach speed is below the standard for no control/yield control. As such, we recommend implementing one-way stop control. To accomplish this, the following ordinance action is required:

1. **Create:** "Install a stop sign on the north leg of Mary Street at North Street (for southbound traffic)."