



CITY OF APPLETON

MEMORANDUM

Date: 8/29/24
To: Municipal Services Committee
From: Eric Lom, P.E., City Traffic Engineer
Subject: Douglas St / Harris St intersection control change (proposed 2-way stop)

Based on several citizen complaints, the Traffic Section recently reviewed the traffic control at the uncontrolled intersection of Douglas Street / Harris Street. This four-legged intersection is located one block east of Linwood Avenue and three blocks north of College Avenue. The land use in this area is primarily residential. Both streets are functionally classified as *Local*. The west leg of the intersection – which is slightly offset – is an entrance to Linwood Park.

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 (~600 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 9 mph, which is due to homes located in the NE and SE quadrants, as well as vegetation located in the NW and SW quadrants.

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

1. **Create:** “Install stop signs on Harris Street at Douglas Street.”