



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, Traffic Engineer  
**Date:** February 10, 2020  
**Re:** Intersection traffic control at the Brewster Street / Durkee Street intersection  
*Follow-Up to Six-Month Trial Period*

As a follow-up to a *Safe Routes to School* evaluation, the Traffic Section recently reviewed the traffic control at the intersection of Brewster Street and Durkee Street, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located two blocks north of Wisconsin Avenue and one block west of Drew Street, immediately adjacent to the Kaleidoscope Academy property (formerly known as Roosevelt Middle School). The land use in this area is mixture of institutional and residential.

In a typical intersection control study, we consider traffic volumes, crash history, safe approach speeds, etc. In this case, the estimated entering volume of this intersection is low to moderate, at approximately 1000 vehicles per day. A review of crash records indicated one crash for the recent five-year period of 2015 through 2019. The critical approach speed for the intersection was found to be approximately 10 mph. However, sight lines are severely impeded during the busy drop-off and pick-up times, primarily due to parked vehicles. Both streets are classified as *local*.

While this intersection does not meet the volume or crash thresholds for stop control, the critical approach speed is below standard, and the unique safety concerns related to the adjacent school suggest that stop control is appropriate. 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 Durkee Street at Brewster Street.”