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To: Municipal Services Committee
From: Eric Lom, Traffic Engineer
Date: February 10, 2020
Re: Intersection traffic control at the Marquette Street / Jarchow 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 “T” intersection of Marquette Street and Jarchow Street, and subsequently initiated a six-month trial period to change from uncontrolled to one-way stop control. This intersection is located two blocks north of Glendale Avenue and two blocks east of Oneida Street, immediately adjacent to Franklin Elementary 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 zero crashes for the recent five-year period of 2015 through 2019. The critical approach speed for the intersection was found to be approximately 9 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 for an uncontrolled intersection, and the unique safety concerns related to the adjacent school suggest that stop control is appropriate. As such, we recommend maintaining the one-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 Jarchow Street at Marquette Street.”