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DEPARTMENT OF PUBLIC WORKS  
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**To:** Municipal Services Committee  
**From:** Eric Lom, Traffic Engineer  
**Date:** June 17, 2020  
**Re:** Intersection traffic control at the Nicholas Street / Pershing Street intersection  
*Follow-Up to Six-Month Trial Period*

Based on our annual crash records analysis, the Traffic Section recently reviewed the traffic control at the intersection of Nicholas Street and Pershing Street, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located four block equivalents west of Mason Street and three blocks north of Glendale Avenue. The land use in this area is a mix of institutional and residential (it abuts Kiwanis Park).

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, at approximately 500 vehicles per day. A review of crash records indicated four crashes for the recent five-year period of 2015 through 2019, resulting in a crash rate that was in the top five worst for yield-controlled intersections in Appleton. The critical approach speed for the intersection was found to be approximately 8 mph due primarily to vegetation located in the northeast quadrant of the intersection (outside the legally-defined vision corner). Both streets are classified as *local*.

While this intersection does not meet the volume threshold for stop control, the critical approach speed is below the standard and the crash history is above 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 Nicholas Street at Pershing Street."