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DEPARTMENT OF PUBLIC WORKS
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To: Municipal Services Committee
From: Eric Lom, Traffic Engineer
Date: October 16, 2018
Re: Intersection traffic control at the Fourth Street / Pierce Avenue intersection
Follow-Up to Six-Month Trial Period

As a follow-up to a citizen concern, the Traffic Section recently reviewed the traffic control at the intersection of Fourth Street and Pierce Avenue, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located two blocks west of Memorial Drive and two blocks north of Prospect Avenue. The land use in this area is primarily 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 fairly low, at approximately 700 vehicles per day. A review of crash records indicated one crash for the recent five-year period of 2014 through 2018. The critical approach speed for the intersection was found to be approximately 10 mph due to a home, fence and vegetation located in the northwest quadrant of the intersection (but outside the legal vision corner). 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. 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 Pierce Avenue at Fourth Street."