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**To:** Municipal Services Committee  
**From:** Eric Lom, Traffic Engineer  
**Date:** February 20, 2018  
**Re:** Intersection traffic control at the Driscoll Street / Charles Street intersection

As a follow-up to a citizen concern, the Traffic Section recently reviewed the traffic control at the intersection of Driscoll Street and Charles Street, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located one block east of Perkins Street and one block 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 900 vehicles per day. A review of crash records indicated three crashes for the recent five-year period of 2013 through 2017. The critical approach speed for the intersection was found to be approximately 11 mph. Both streets are classified as *local*.

While this intersection does not meet the volume thresholds identified above, the critical approach speed is below standard and the crash rate is above average. 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 Driscoll Street at Charles Street."