



DEPARTMENT OF PUBLIC WORKS
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To: Municipal Services Committee
From: Eric Lom, Traffic Engineer
Date: January 17, 2018
Re: Intersection traffic control at the Locust Street / Fifth Street intersection

As a part of a normal review, the Traffic Section recently reviewed the traffic control at the intersection of Locust Street and Fifth 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 west of Memorial Drive and one block south of Spencer Street. 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 1000 vehicles per day. A review of crash records indicated two crashes for the recent five-year period of 2013 through 2017. The critical approach speed for the intersection was found to be approximately 10 mph. Both streets are classified as *local*.

While this intersection does not meet the crash or volume thresholds identified above, 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 Locust Street at Fifth Street."