



DEPARTMENT OF PUBLIC WORKS
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To: Municipal Services Committee
From: Mike Hardy, Assistant Traffic Engineer
Date: February 7, 2022
Re: Change to intersection traffic control at the Locust Street / Oklahoma Street intersection
Follow-Up to Six-Month Trial Period

Based on a request from a concerned citizen, the Traffic Section recently reviewed the traffic control at the intersection of Locust Street and Oklahoma 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 Richmond Street and three blocks north of Packard Street. The land use in this area is primarily residential. Both streets are classified as *local*.

In a typical intersection control study, we consider traffic volumes, crash history, safe approach speeds, etc. In this case, the entering volume of this intersection is low, at approximately 490 vehicles per day. Traffic counts in 2021 indicated traffic counts of 96 vehicles per day (vpd) on Locust Street and 389 vpd on Oklahoma Street. A review of crash records indicated zero reportable crashes for the recent five-year period of 2016 through 2020. The critical approach speed for the intersection was found to be approximately 9 mph, due primarily to the home in the southeast quadrant of the intersection.

While this intersection does not meet the volume threshold for stop control, the critical approach speed is below 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 Locust Street at Oklahoma Street."

