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To: Municipal Services Committee
From: Mike Hardy, Assistant City Traffic Engineer
Date: June 25, 2020
Re: Intersection traffic control at the Kenilworth/Woodland intersection
Follow-up to a Six-Month Trial Period

Based on our annual crash records analysis, the Traffic Section reviewed the traffic control at the intersection of Kenilworth Avenue/Woodland Court and Woodland Avenue, and subsequently initiated a six-month trial period to change from uncontrolled to yield control. This is a four-legged intersection that is located seven blocks east of Meade Street, and two blocks north of Wisconsin Avenue. The land use in the area of this intersection is 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 low, at approximately 300 vehicles per day (estimated). A review of crash records indicated zero crashes for the recent five-year period of 2015 through 2019. The critical approach speed for the intersection was found to be below 15 mph. Both streets are classified as *local*.

More relevant, however, is that the *Manual on Uniform Traffic Control Devices*, for the sake of consistency, states that intersection control should be installed at uncontrolled intersections which are in predominantly controlled areas (stops, yields, signals). We have interpreted this to mean that if more than 75% of the four-legged intersections in an area (whose boundaries are typically defined by collector or arterial roadways) are controlled, the remaining uncontrolled four-legged intersections should have an appropriate form of control added. The subject intersection is the only four-legged intersection in this area that had remained uncontrolled.

Based on the above, we recommend maintaining the yield control that was implemented for the trial period.

To accomplish this, the following ordinance action is required:

1. **Create:** “Install yield signs on Woodland Avenue at Kenilworth Avenue/Woodland Court.”