



**DEPARTMENT OF PUBLIC WORKS**  
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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 Boyd/Plank intersection  
*Follow-up to a Six-Month Trial Period*

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Based on our annual crash records analysis, the Traffic Section reviewed the traffic control at the intersection of Boyd Court and Plank Road, and subsequently initiated a six-month trial period to change from uncontrolled to stop control. This is a three-legged intersection that is located three blocks west of Kernan Avenue, and one block south of Midway Road. 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 moderate, at approximately 2150 vehicles per day (estimated). A recent Wisconsin DOT count of Plank Road was 2100 vehicles per day. The traffic count for Boyd Court is estimated to be 50 vehicles per day. 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 10 mph. Both streets are classified as *local*.

While this intersection does not meet the volume threshold for stop control, the critical approach speed is below the standard. As such, we recommend maintaining the stop control that was implemented for the trial period.

**To accomplish this, the following ordinance action is required:**

1. **Create:** “Install stop signs on Boyd Court at Plank Road.”