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To: Municipal Services Committee
From: Eric Lom, Traffic Engineer
Date: September 16, 2020
Re: Intersection traffic control at the Spring Street / Summit Street intersection
Follow-Up to Six-Month Trial Period

Based on our annual crash records analysis and a request from the *Safe Routes to School* representative from the East Central Wisconsin Regional Plan Commission (ECWRPC), the Traffic Section recently reviewed the traffic control at the intersection of Spring Street and Summit Street, and subsequently initiated a six-month trial period to change from yield control to two-way stop control. This intersection is located two block-equivalents east of Mason Street and two blocks south of Wisconsin Avenue. The land use in this area is primarily residential, but it is noteworthy that Lincoln Elementary school is located one block to the west.

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 700 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 approximately 7 mph due primarily to homes and vegetation located in three of the four quadrants of the intersection. 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 for yield control. This is also a designated *Safe Routes to School* crossing. 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 Spring Street at Summit Street."