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DEPARTMENT OF PUBLIC WORKS
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To: Municipal Services Committee
From: Eric Lom, Traffic Engineer
Date: February 28, 2017
Re: Intersection traffic control at the Terraview Drive / Castlebury Lane intersection

As a part of a normal review, the Traffic Section recently reviewed the traffic control at the intersection of Terraview Drive and Castlebury Lane, and subsequently initiated a six-month trial period to change from no control to two-way stop control. This intersection is located one block west of Meade Street and two blocks north of Evergreen Drive. The land use in this area 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 fairly low, at approximately 600 vehicles per day. No crash records were found for the recent five-year period of 2012 through 2016. 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 low and its close proximity to Meade Street presents challenges for drivers. As such, we recommend installing two-way stop control.

Aerial Photo, Intersection of Terraview Drive & Castlebury Lane



To accomplish this, the following ordinance action is required:

1. **Create:** "Install Stop signs on Terraview Drive at Castlebury Lane."