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**To:** Mayor and Members of Council  
**From:** Anthony S. Cannella, Director of Engineering Services  
**Date:** October 4, 2019  
**Subject:** Prestonvale Road and Robert Adams Drive 3-way Stop  
**File:** D.02.33.028

During the September 23, 2019 General Government Committee (GGC) meeting, Council passed Resolution #GG-447-19 (Attachment 1) directing staff to commence a study to consider a stop sign northbound on Prestonvale Road at Robert Adams Drive to address queuing issues and report back. However, during the September 30, 2019 Planning and Development Committee (P&D) meeting, Council passed Resolution #PD-134-19 (Attachment 1), directing staff to install a temporary stop sign at Prestonvale Road and Robert Adams Drive without first conducting a study of the operational and safety implications. Staff request clarification from Council regarding the sequence of the two resolutions.

As the Director of the Engineering Department my top priority is ensuring our transportation network operates in a safe, efficient and sustainable manner. Consistent with my discussion at the September 23 GGC meeting, a complete traffic review of the request to install a northbound stop sign at the Robert Adams and Prestonvale intersection is the most prudent approach to provide a complete assessment of the potential impacts that such a consideration would have on the operation and safety of the intersection.

As you are aware, staff have been working with the Region of Durham to improve the efficiency of left turn movement onto Regional Hwy 2. This consideration for a northbound stop sign would reduce the traffic movement efficiency at Robert Adams/Prestonvale Road as well as Regional Hwy 2/Prestonvale Road. The concern here is that the additional stop condition would result in a greater delay to northbound Prestonvale Road users as they would be required to stop at this intersection (Robert Adams/Prestonvale Road) before proceeding north to the signalized intersection at Hwy. 2 and Prestonvale. With the added stop sign, vehicles that would normally enter Hwy. 2 in a single green cycle may effectively have to wait two or three green cycles before they can enter Hwy. 2 as they would be queued at the new stop sign before proceeding to the signalized intersection.

With a full assessment of current traffic data, the impact of various traffic control options at the intersection can be analyzed and recommendations to Council can be made

based on relevant traffic engineering principals and standards. It is staffs' professional opinion that the decision to install a northbound stop sign at Robert Adams/Prestonvale Road be postponed until a complete traffic review is undertaken using current data. A traffic review would address the complexity of this non-standard intersection configuration and should identify any unintended negative operational and safety impacts that may not have been considered when Council made the resolution to install the stop sign without a traffic review.

Additionally, as discussed at the GGC meeting of September 23, this review should be done in consultation with the Region of Durham's traffic department to assess the impacts, operationally or otherwise, to the Regional Hwy 2/Prestonvale Road intersection as staff have requested the Region's cooperation in making improvements to the conveyance of traffic from Prestonvale Road onto Regional Hwy 2.

Staff recommend that the resolution from the GGC meeting on September 23 be endorsed by Council and the condition respecting the erection of the stop sign (i.e. the timing there of) be tabled pending consideration of the November 4 staff report.

Regards,



Anthony S. Cannella  
Director of Engineering Services

ASC/RA/kb

Attachment: Resolution #GG-447-19 and Resolution #PD-134-19

cc: Department Heads

Council Resolutions Regarding Stop Sign at Prestonvale Road and Robert Adams Drive:

**General Government Committee**

September 23, 2019

Resolution # GG-447-19

Moved by Councillor Jones

Seconded by Councillor Zwart

That staff report back to the General Government Committee meeting of November 4, 2019 regarding consideration of a Stop Sign northbound on Prestonvale Road at Robert Adams Drive to address queuing issues.

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**Planning and Development Committee**

September 30, 2019

Resolution # PD-134-19

Moved by Councillor Neal

Seconded by Councillor Jones

That the foregoing Resolution #PD-133-19 be amended by adding the following after the second paragraph:

That the applicant be directed to pay the costs to erect a temporary stop sign at Robert Adams Drive and Prestonvale Road.