

COMMITTEE OF THE WHOLE – DECEMBER 1, 2008

**NORTH RIVERMEDE ROAD AND CONNIE CRESCENT
ALL-WAY STOP CONTROL REVIEW**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That a by-law be enacted to install an all-way stop control at the intersection of North Rivermede Road and Connie Crescent.

Economic Impact

The cost to install the all-way stop signs and pavement markings (stop bars) will be an initial impact on the 2009 Operating Budget. There are sufficient funds being allocated in the Draft Budget for this work. The on-going costs to maintain the signs and pavement markings would be incorporated in future Operating Budgets.

Communication Plan

Engineering Services staff will contact the resident with the direction from Council.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of North Rivermede Road and Connie Crescent, in response to a request from a local resident.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of North Rivermede Road and Connie Crescent. North Rivermede Road and Connie Crescent are both collector roadways with a 26.0 metre right-of-way, and an 11.0 metre pavement width. The existing posted speed limit is 50 km/h on North Rivermede Road and Connie Crescent. The existing stop control is located on the east and west approaches of Connie Crescent. The development within close proximity of the intersection is Commercial/Industrial. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, October 28, 2008 at the intersection of North Rivermede Road and Connie Crescent during the morning and afternoon peak time periods of 7:00 am to 9:00 am, and 4:00 pm to 6:00 pm. The weather on this day was cloudy in AM and cloudy with snow in PM. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	153%
Warrant 2 – Accident Hazard	Warranted	75%
Warrant 3 – Sight Restriction	Warranted	0%

All-way stop controls are recommended when one of the above warrants are satisfied to 100% or more. There have been 3 reported collisions at this intersection susceptible to prevention by implementing an all-way stop control. There are no sight distance restrictions at this intersection. According to the results above, this intersection does meet the minimum requirements of the Provincial All-way Stop Warrant.

Relationship to Vaughan Vision 2020

Enhance and Ensure Community Safety, Health and Wellness – To advocate for, protect and enhance community safety, health and wellness through education, design and enforcement.

This report is consistent with the priorities previously set by Council.

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, it is recommended that an all-way stop control be installed at the intersection of North Rivermede Road and Connie Crescent.

Attachments

1. Location Map

Report prepared by:

David Fan, Traffic Analyst, Ext. 3109

Mike Dokman, Supervisor, Traffic Engineering, Ext. 3118

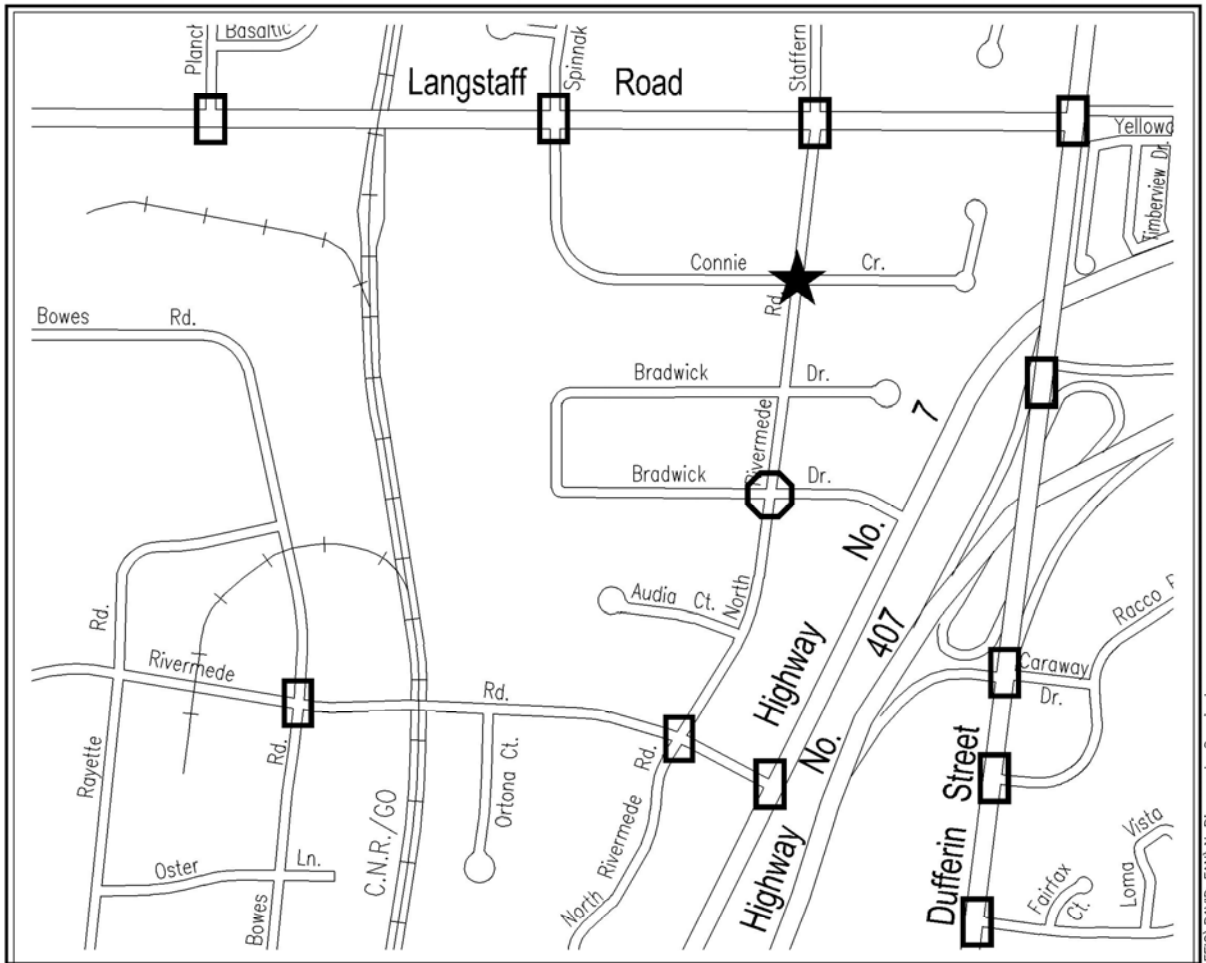
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Mike Dokman, C.E.T.
Supervisor, Traffic Engineering




DF:mc

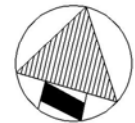
ATTACHMENT No. 1



NORTH RIVERMEADE ROAD & CONNIE CRESCENT PROPOSED ALL - WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE