

COMMITTEE OF THE WHOLE – OCTOBER 11, 2005

**STEVENSON AVENUE AND VALLEYVIEW COURT
PROPOSED ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That York Regional Police be requested to enforce the existing statutory speed limit of 50 km/h on Stevenson Avenue.
2. That this report be received for information.

Economic Impact

Not applicable.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Stevenson Avenue and Valleyview Court in the Kleinburg Community in response to direction from Council.

Background - Analysis and Options

At its meeting on September 26, 2005 Council directed as new business:

“The Committee of the Whole recommends:

WHEREAS the community provided a petition May '05 for a three way stop sign at Stevenson Road And Valleyview Court, Kleinburg;

AND WHEREAS large construction vehicles are speeding through an existing residential neighbourhood causing safety issues;

THEREFORE IT IS RECOMMENDED THAT staff install temporary three way stop signs at Stevenson Road and Valleyview Court, Kleinburg;

AND THAT staff request York Regional Police attend at this location to control speeding and community safety.

AND THAT staff bring this item forward to the Committee of the Whole meeting of October 11, 2005.”

Stevenson Avenue and Valleyview Court are local residential roadways with a statutory 50 km/h speed limit. The existing stop controls are located on Valleyview Court, at the subject intersection. The area is shown on Attachment No. 1.

Staff conducted a turning movement count on Tuesday, September 27, 2005 at the subject intersection during peak travel periods. The traffic counts were conducted from 7:00am to 9:00am and from 4:00pm to 6:00pm. The collected traffic volumes compared to the Provincial Warrant for All-Way Stop Control are as shown below:

- | | |
|---|--------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 6% |
| • Warrant 2 – Accident Hazard | Warranted 0% |
| • Warrant 3 – Sight Restriction | Warranted 0% |

The above results reflect the highest peak traffic hour at this intersection. For an all-way stop control to be warranted, one or more of the 3 warrants must be satisfied 100% or more. The results of the turning movement counts do not meet the requirements of the Provincial Warrant for All-Way Stop Control.

Stevenson Avenue accommodates a very low volume of traffic, servicing homes on Stevenson Avenue, Cedarvalley Court, Valleyview Court, Ava Place, and Nightfall Court only, some of which are currently under construction. There are no sight distance restrictions noted at this intersection and there were zero reported vehicle collisions in the past year.

With respect to the use of a temporary three-way stop (signs) there is no provision within the Highway Traffic Act (HTA) for temporary traffic control measure. If an all-way stop control was approved, the parent traffic by-law must be amended to give effect to any such traffic controls as approved, and then subsequently the site specific by-law must be rescinded once the temporary condition is removed. This would necessitate a second report to Committee and Council. For these reasons, and based on the above analysis, staff is not recommending either a permanent or temporary three-way stop control be installed at the subject location at this time.

In addition, radar speed studies were conducted on September 27, 2005 from 8:00am to 9:00am and from 4:30pm to 5:30pm on Stevenson Avenue north of Valleyview Court. The following table summarizes the results of this investigation.

DATE	TIME	LOCATION	DIRECTION	AVERAGE SPEED
September 27, 2005	8:00am – 9:00am	North of Valleyview Court	Northbound	54.8
	8:00am – 9:00am		Southbound	56.0
September 27, 2005	4:30pm – 5:30pm	North of Valleyview Court	Northbound	52.3
	4:30pm – 5:30pm		Southbound	54.0

The average speeds range from 52 to 56 km/h indicating most drivers are exceeding the existing speed limit. The speed limit is a statutory 50 km/h. Staff recommends that York Regional Police be requested to provide increased enforcement of the speed limit on Stevenson Avenue.

Additionally, construction truck traffic was specifically reviewed for speeding concerns. During the radar studies, only 3 construction trucks were noted, and the average speed of these vehicles was 46 km/h, which is in compliance with the existing speed limit.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

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

Conclusion

Based on staff’s review, it is recommended that an all-way stop control not be installed at the intersection of Stevenson Avenue and Valleyview Court, and that York Regional Police be requested to provide increased enforcement of the statutory speed limit of 50 km/h.

Attachments

1. Location Map

Report prepared by

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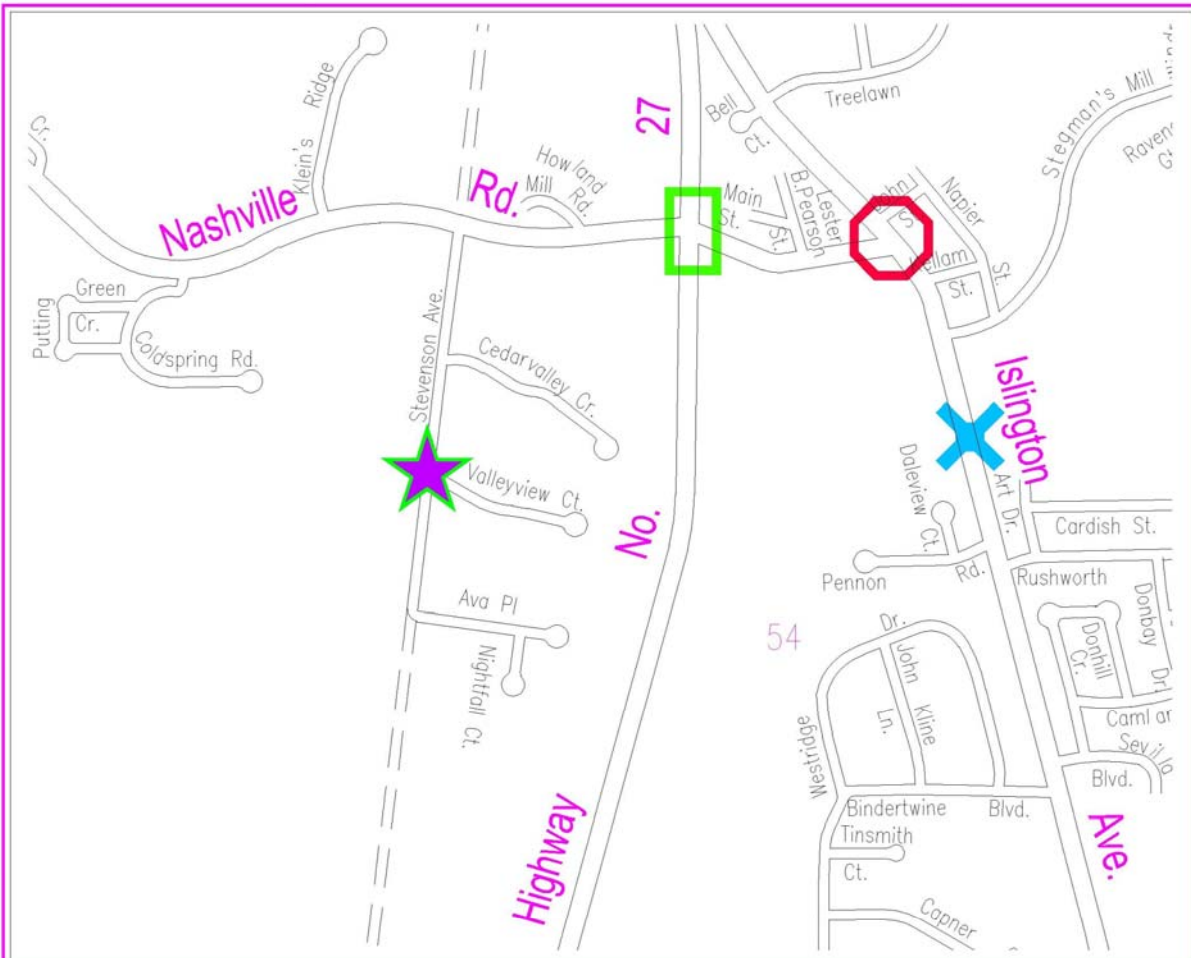
Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services





:MR

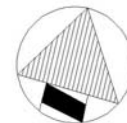
ATTACHMENT No. 1



PROPOSED ALL-WAY STOP CONTROL AT STEVENSON ROAD AND VALLEYVIEW COURT

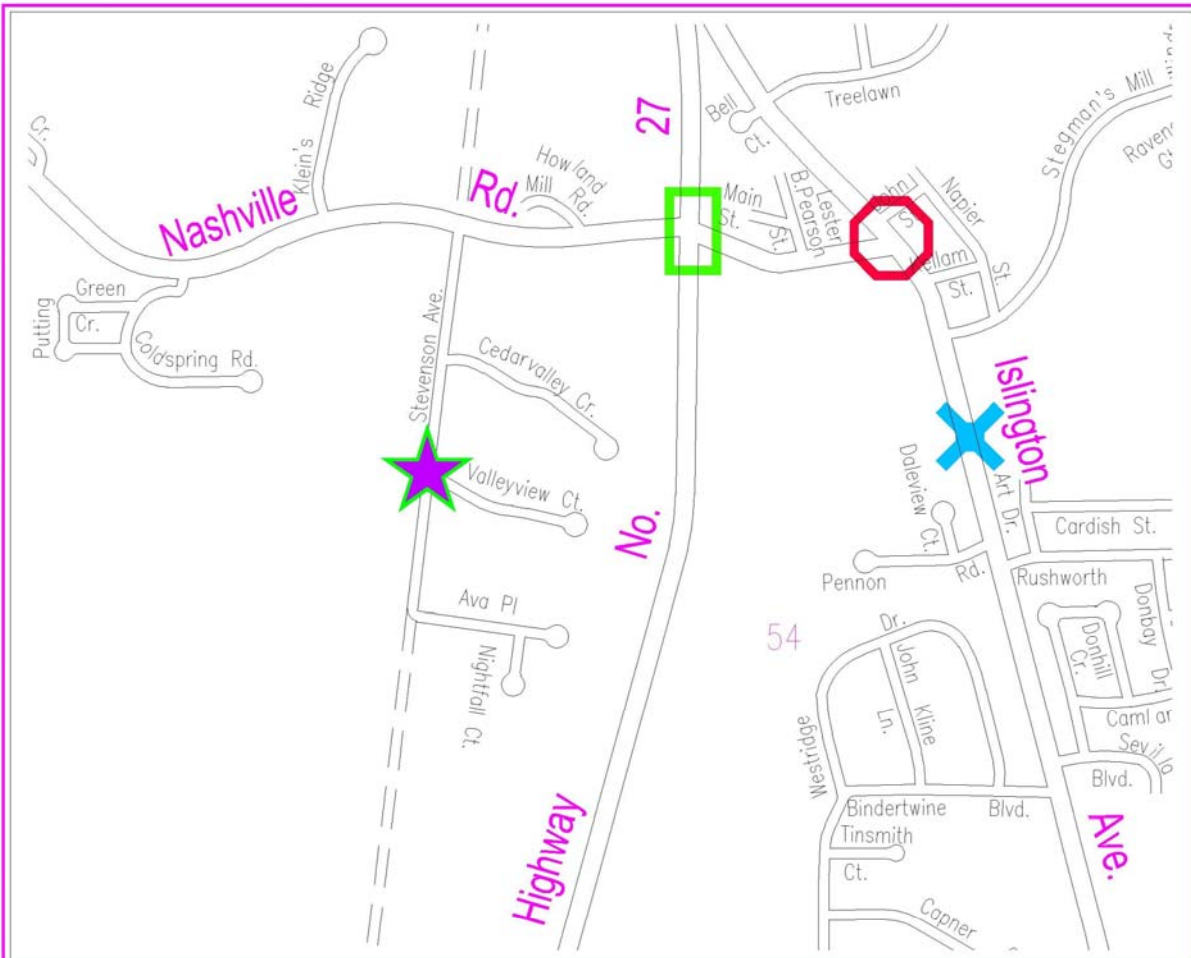
LEGEND

-  PROPOSED ALL-WAY STOP CONTROL
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOL CROSSING







NOT TO SCALE

ATTACHMENT No. 1



PROPOSED ALL-WAY STOP CONTROL AT STEVENSON ROAD AT VALLEYVIEW COURT

LEGEND

-  PROPOSED ALL-WAY STOP CONTROL
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
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NOT TO SCALE

