

**Proposed Minor Street Stop Controls at Two Locations  
in the Dorset Park Community**

<b>Date:</b>	January 29, 2007
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 37 – Scarborough Centre
<b>Reference Number:</b>	P:\2007\Cluster B\TRA\Scarborough\sc07023 D06-2462 Dorset Park (Lewiston Road) Stop Signs

**SUMMARY**

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This report responds to a request to install all-way stop controls at the intersection of Wye Valley Road and Glaive Drive. At the same time, staff reviewed the installation of minor street stop signs at two other uncontrolled three-way intersections (i.e., Glaive Drive at Lewiston Road and Maxim Crescent at Lewiston Road) in the Dorset Park Community, and determined that minor street stop signs should be installed at these two locations to clearly define the right-of-way and to regulate traffic flow.

**RECOMMENDATIONS**

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**Transportation Services, Scarborough District, recommends that:**

1. An all-way stop control not be installed at the west intersection of Wye Valley Road and Glaive Drive.
2. The “Compulsory Stops” regulation, as identified in the Appendix 1 of this report, be adopted.
3. The appropriate by-law be amended.

## **FINANCIAL IMPACT SUMMARY**

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The financial cost of installing these stop controls is approximately \$500.00. Funding for these stop controls is available in the Transportation Services 2007 Operating Budget, within Cost Centre TP0226.

The Deputy City Manager and Chief Financial Officer have reviewed this report and agree with the financial impact information.

## **DECISION HISTORY**

Further to a request from Ms. Mauricette Kadunic, an area resident, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of Wye Valley Road and Glaive Drive.

## **ISSUE BACKGROUND**

The justification for the installation of an all-way stop control is based on a technical warrant adopted by Council for use in the City of Toronto.

## **COMMENTS**

Several factors describing the intersection of Wye Valley Road and Glaive Drive include:

- This intersection is located in the community west of Kennedy Road and south of Ellesmere Road.
- Wye Valley Road is a two-lane local road with an unposted speed limit of 50 kilometres per hour and a daily traffic volume of approximately 1,200 vehicles per day.
- Glaive Drive is also a two-lane local road, which intersects Wye Valley Road to form a three-way intersection.
- The west leg of this intersection is controlled by a stop sign on Glaive Drive.
- Sidewalks are located on both sides of Glaive Drive and Wye Valley Road.

## All-Way Stop Control Warrant Study

A traffic study conducted at the west intersection of Wye Valley Road and Glaive Drive during the morning and afternoon peak hours of a typical weekday (Monday, October 30, 2006) produced the following results:

All-Way Stop Control Warrant	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Average	161	32	81/19
Warrant Requirements For Study Period Average For Local Roads	≥ 250	≥ 100	≥ 30/70 or ≤ 70/30

\* “Unit Volume Split”: Major Road Volume – Vehicles only.  
 Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an all-way stop control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations of the three categories:

1. “Total Approach Vehicle Volume” and “Unit Volume Split – Major/Minor Roads” or
2. “Vehicle/Pedestrian Volume Crossing Major Road” and “Unit Volume Split – Major/Minor Roads”

As outlined in the above table, the traffic volumes do not meet the requirements to install an all-way stop control at the subject intersection at this time.

A review of the collision records revealed that no collisions were reported at the intersection of Wye Valley Road and Glaive Drive during the past five years from 2001 to 2005.

To provide stop sign uniformity and for safety reasons, the two previously referenced uncontrolled three-way intersections, namely at Glaive Drive at Lewiston Road and Maxim Crescent at Lewiston Road would benefit from the installation of minor street stop signs.

Transportation Services staff support the locations of these latter two stop signs, which clearly define the appropriate right-of-way and regulate traffic flow.

## **CONTACT**

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## **SIGNATURE**

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Peter J. Noehammer, P. Eng.  
Director  
Transportation Services, Scarborough District

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## **ATTACHMENTS**

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed Stop Signs – Wye Valley at Glaiive Drive)

Appendix 1

“Compulsory Stops”  
Regulation to be Enacted

Column 1  
Intersection

Column 2  
Stop Street

Maxim Crescent and  
Lewiston Road

Maxim Crescent

Glaive Drive and  
Lewiston Road

Glaive Drive