



## STAFF REPORT ACTION REQUIRED

### Proposed Stop Controls at Exford Drive and Blaisdale Road 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\sc07021 D06-1934 & D06-2306 Exford Drive Blaisdale Road Stop Signs

#### SUMMARY

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This report responds to a request to install all-way stop controls at the intersection of Exford Drive at Blaisdale Road. The installation of an all-way stop control is not justified at this time; however, a minor street stop sign will be installed for Blaisdale Road. At the same time, staff reviewed the installation of minor street stop signs at nine other uncontrolled three-way intersections in the immediate neighbourhood. It is recommended that minor street stop signs be installed at the ten uncontrolled three-way intersections 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 intersection of Exford Drive at Blaisdale Road.
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**

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The financial cost of installing these stop controls is approximately \$1,500.00. 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 City Councillor Michael Thompson, Transportation Services staff reviewed the feasibility of installing all-way stop controls at Exford Drive at Blaisdale Road.

## **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 Exford Drive at Blaisdale Road include:

- This intersection is located in the Dorset Park Community north of Lawrence Avenue between Birchmount Road and Kennedy Road.
- Exford Drive is a two-lane local road with a unposted speed limit of 50 kilometres per hour and a daily traffic volume of approximately 561 vehicles per day.
- Blaisdasle Road is also a two-lane local road, which intersects Exford Drive forming a three-way intersection. This intersection is currently uncontrolled.

## All-Way Stop Control Warrant Study

A traffic study conducted at the west intersection of Exford Drive at Blaisdale Road during the morning and afternoon peak hours of a typical weekday (Monday, October 16, 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	55	10	82/18
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.

However, although a review of the collision records revealed that no collisions were reported at this intersection during the past five years, 2001 to 2005, it would be prudent to install a stop sign on Blaisdale Road. This stop sign would encourage motorists to stop before the sidewalk to enhance pedestrian safety.

In addition to the intersection of Exford Drive at Blaisdale Road, there are nine other uncontrolled three-way intersections in the immediate area. Accordingly, to provide stop sign uniformity in the vicinity and for the same safety reasons, stop signs are also recommended at the following nine locations:

1. Denham Road at Cornwallis Drive
2. Denham Road at Merryfield Drive
3. Forbes Road at Portsdown Road
4. Kecala Road at Ellendale Drive
5. Kecala Road at Portsdown Road

6. Spain Road at Bergen Road
7. Spain Road at Vauxhall Drive
8. Zambri Walk at Blaisdale Road
9. Zambri Walk at Portsdown Road

When installed, the warranted stop signs will help to clarify road right-of-way and regulate traffic flow.

## **CONTACT**

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## **SIGNATURE**

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Director  
Transportation Services, Scarborough District

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## **ATTACHMENTS**

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed Stop Signs – Exford Drive at Blaisdale Road)

Appendix 1

“Compulsory Stops”  
Regulation to be Enacted

<u>Column 1</u> <u>Intersection</u>	<u>Column 2</u> <u>Stop Street</u>
Exford Drive at Blaisdale Road	Blaisdale Road
Denham Road at Cornwallis Drive	Denham Road
Denham Road at Merryfield Drive	Denham Road
Forbes Road at Portsdown Road	Forbes Road
Kecala Road at Ellendale Drive	Kecala Road
Kecala Road at Portsdown Road	Kecala Road
Spain Road at Bergen Road	Spain Road
Spain Road at Vauxhall Drive	Spain Road
Zambri Walk at Blaisdale Road	Zambri Walk
Zambri Walk at Portsdown Road	Zambri Walk