



## STAFF REPORT ACTION REQUIRED

### Proposed All-Way Stop Control Not Recommended – Pharmacy Avenue and Terraview Boulevard

<b>Date:</b>	September 16, 2009
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Acting Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 40 – Scarborough Agincourt
<b>Reference Number:</b>	P:\2009\Cluster B\TRA\Scarborough\sc09060 D09-3269180 Pharmacy Terraview AWSC not warranted

#### SUMMARY

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This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

This report responds to a request from Councillor Kelly to install an All-Way Stop Control at the intersection of Pharmacy Avenue and Terraview Boulevard. The report shows that this intersection did not meet the required technical warrant for this type of traffic control.

It is recommended that an All-Way Stop Control not be installed at Pharmacy Avenue and Terraview Boulevard as the numerical study values did not meet the warrant for installation of an All-Way Stop Control.

#### RECOMMENDATIONS

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

1. Not approve the installation of an All-Way Stop Control at Pharmacy Avenue and Terraview Boulevard.
2. Not amend the appropriate by-law(s) accordingly.

## **Financial Impact**

There would be no financial impact associated with the staff recommendation; however, if an All-Way Stop Control were to be installed, the minimal financial cost of installing the two additional stop signs is approximately \$500.00. The funding for these stop controls would be available in the Transportation Services 2009 Operating Budget, within Cost Centre TP0397.

## **ISSUE BACKGROUND**

Further to a request from Councillor Kelly, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Pharmacy Avenue and Terraview Boulevard.

## **COMMENTS**

The following characteristics describe the intersection of Pharmacy Avenue and Terraview Boulevard:

- This intersection is located in the community east of Victoria Park Avenue, north of Ellesmere Road and south of Highway 401. It should be noted that a water course defines the easterly limits of the community.
- Terraview Boulevard intersects Pharmacy Avenue from the west forming a “T” type intersection, which is presently controlled by an eastbound stop sign on Terraview Boulevard at Pharmacy Avenue.
- Pharmacy Avenue is a two-lane collector roadway with a signed speed limit of 40 kilometres per hour and a daily traffic volume of approximately 5,200 vehicles per day. It has an 85<sup>th</sup> percentile speed of 54 Km/h (Monday, April 14, 2008).
- Terraview Boulevard is also two-lane collector roadway with a signed speed limit of 40 kilometres per hour and a daily traffic volume of approximately 4,700 vehicles per day. It has an 85<sup>th</sup> percentile speed of 52 Km/h (Tuesday, April 29, 2008).
- All-way Stop Controls are often installed at the intersection of two collector roadways when the numerical values for such a traffic control device are met.
- Both these collector roadways experience vehicle volumes in the mid to upper range of a collector roadway volumes defined as 2,500 to 8,000 vehicles per day, (vpd).
- Sidewalks are located on both sides of Pharmacy Avenue and on both sides of Terraview Boulevard.

An All-Way Stop Control cannot be recommended on Pharmacy Avenue at Terraview Boulevard, since the subject intersection did not meet the warrant for an All-Way Stop Control installation.

**All-Way Stop Control Warrant Study**

A traffic study conducted at the intersection of Pharmacy Avenue and Terraview Boulevard during the morning and afternoon peak hours of a typical weekday (Tuesday, June 16, 2009) produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Average	296	52	85/15
Warrant Requirements For Study Period Average For Local Roads	≥ 375	≥ 150	≥ 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 Categories A and C, or Categories B and C.

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 one collision was reported at this intersection during the five-year period ending December 31, 2008. The subject collision reported in 2006 is considered potentially preventable by the installation of an All-Way Stop Control. No pedestrian collisions were reported at this location.

Accordingly, an All-Way Stop Control cannot be recommended at the subject intersection.

However, should an All-Way Stop Control be warranted in the future, this would be an ideal location, as the main traffic flows are the west leg and the south leg.

## **CONTACT**

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## **SIGNATURE**

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## **ATTACHMENTS**

1. Location Plan (All-Way Stop Control Study - Pharmacy Avenue at Terraview Boulevard)