

## **Proposed All-Way Stop Control on Civic Road at Prudham Gate**

<b>Date:</b>	December 22, 2006
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	<b>Ward 35 – Scarborough Southwest</b>
<b>Reference Number:</b>	P:\2007\Cluster B\TRA\Scarborough\sc07013 D06-2570 Civic Prudham

### **SUMMARY**

---

This report provides the results of an all-way stop control study at the intersection of Civic Road and Prudham Gate.

The installation of the all-way stop control is warranted and recommended at the noted intersection.

### **RECOMMENDATIONS**

---

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

1. The “Compulsory Stops” regulation, as identified in the Appendix 1 of this report, be adopted.
2. The appropriate by-law be amended.

## **FINANCIAL IMPACT**

---

The financial cost of installing these stop controls is approximately \$900.00. The 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 has reviewed this report and agrees with the financial impact information.

## **DECISION HISTORY**

Following a request from Ms. Lisa Harrison, for Nil Private School, staff reviewed this intersection for an all-way stop control. The study indicated that the all-way stop control is warranted.

## **ISSUE BACKGROUND**

The City of Toronto all-way stop control warrant has been adopted by Council.

To have legal authority, under in the Highway Traffic Act, public road stop signs must be City Council by-law enacted.

## **COMMENTS**

Several factors involving the intersection of Civic Road and Prudham Gate include:

- It is located east of Warden Avenue and south of Eglinton Avenue East.
- Both roads have two-lanes. Each road has speed limits of 50 kilometres per hour (not signed) and carries about 2,100 and 2,750 vehicles per day, respectively.
- Civic Road is classed as a collector road. Prudham Gate is classed as a local road.
- A stop sign on Prudham Gate presently controls southbound traffic at this three-way intersection.

### All-Way Stop Control Warrant Study

A traffic study conducted at Civic Road and Prudham Gate during the morning and afternoon peak hours of a typical weekday (Tuesday, November 7, 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
Four-Hour Study Period Average	393	154	61/39
Warrant Requirements For Study Period Average For Collector Roads	$\geq 375$	$\geq 150$	$\geq 30/70$ or $\leq 70/30$

- “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, traffic volume requirements for the “Study Period Average” must be met 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”.

The above table shows, all three categories of the warrant have been met. Therefore, an all-way stop control is justified.

When installed, the stop signs will help to clarify road right-of-way and enhance traffic safety at this intersection.

## **Collision History**

A Toronto Police Service records search for the five-year period ending October 31, 2006 revealed one reported collision at this intersection. The collision occurred on Tuesday, May 18, 2004 at 9:45 a.m. During this review period, no pedestrian collisions occurred at this intersection.

## **CONTACT**

Ian R. Harvey  
Acting Manager, Traffic Operations, Scarborough District  
Tel: 416-396-7148  
Fax: 416-396-5681  
E-Mail: [iharvey@toronto.ca](mailto:iharvey@toronto.ca)

## **SIGNATURE**

---

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

JAB/FJB:ca

## **ATTACHMENTS**

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed All-Way Stop Control – Civic Road at Prudham Gate)

## Appendix 1

### “Compulsory Stops” Regulation to be Enacted

Column 1  
Intersection

Column 2  
Stop Street

Civic Road and  
Prudham Gate

Civic Road