



## STAFF REPORT ACTION REQUIRED

### Humber College Boulevard and Carrier Drive – All-Way STOP Control

<b>Date:</b>	April 28, 2010
<b>To:</b>	Etobicoke York Community Council
<b>From:</b>	Director, Transportation Services - Etobicoke York District
<b>Wards:</b>	Ward 1 – Etobicoke North
<b>Reference Number:</b>	p:\2010\Cluster B\TRA\EtobicokeYork\eycc100075-to

#### SUMMARY

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

The purpose of this report is to present the results of an investigation for installing all-way STOP controls at the intersection of Humber College Boulevard and Carrier Drive. A staff assessment concludes that the warrant criteria for installing all-way STOP controls at this location are achieved.

#### RECOMMENDATIONS

**Transportation Services recommends that Etobicoke York Community Council approve:**

1. Installing all-way STOP controls at the intersection of Humber College Boulevard and Carrier Drive.

#### Financial Impact

Type of Funding	Source of Funds	Amount
Available within current budget	Transportation Services Operating Budget	\$800.00

#### COMMENTS

Transportation Services, investigated a request from Humber College staff for all-way STOP controls at the intersection of Humber College Boulevard and Carrier Drive. The purpose of this request is to assist students crossing from the overflow parking lot located at the southwest corner of Humber College Boulevard/Carrier Drive intersection to the campus located at 110 Carrier Drive.

A map of the area is Attachment 1.

Carrier Drive and Humber College Boulevard, near Carrier Drive, are classified as collector and local roads, respectively. The subject intersection is located north of Finch Avenue West, west of Highway 27. Both streets have speed limits of 50 km/h. The intersection of Carrier Drive and Humber College Boulevard is currently controlled by a STOP control at the south intersection approach. The south and east approaches provide designated left turn storage lanes.

The justification for installing all-way STOP controls is based on a technical warrant adopted by Toronto City Council, and is based on crash history and traffic volume. Our study results are summarized in Appendix A, and show that the technical warrants for the installation of all-way STOP controls are satisfied.

A review of the Toronto Police Service crash records over a three-year period ending December 31, 2008, show that there have been two reported collisions at the intersection that are considered preventable had all way STOP controls been installed.

Based on the City's warrant, staff recommends that all-way STOP controls be approved at the intersection of Humber College Boulevard and Carrier Drive.

## **CONTACT**

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## **SIGNATURE**

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Allan Smithies  
Acting Director, Transportation Services-Etobicoke York District

## **ATTACHMENTS**

Appendix A  
Attachment 1: Map  
Attachment 2: Aerial Photo

## APPENDIX A

### Warrants for All-way “Stop” Sign Control

Study location: Humber College Boulevard and Carrier Drive

Four-Hour Study Period	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split Major/Minor Roads
Study Period Average	536	201	65/35
Warrant Requirements for Study Period Average	$\geq 375$	$\geq 150$	$\geq 30/70$ or $\leq 70/30$

To warrant the installation of an all-way STOP control, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations:

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