TORONTO

STAFF REPORT
ACTION REQUIRED

McFarland Avenue and Peterborough Avenue – All-Way Stop Control

Date:	June 4, 2008
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 17 – Davenport
Reference Number:	p:\2008\Cluster B\TRA\EtobicokeYork\eycc080086-to

SUMMARY

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

The purpose of this report is to recommend the installation of an all-way stop control at the intersection of McFarland Avenue and Peterborough Avenue. The stop sign will enhance the operational and pedestrian safety conditions at this intersection.

RECOMMENDATIONS

Transportation Services recommend that Etobicoke York Community Council approve:

1. The installation of an all-way stop control at the intersection of McFarland Avenue and Peterborough Avenue.

Financial Impact

Type of Funding	Source of Funding	Amount
Available within current budget	Transportation Services Operating Budget	$ 600.00

ISSUE BACKGROUND

At the request of Councillor Palacio, on behalf of area residents, Transportation Services staff investigated the feasibility of implementing an all-way stop control at the intersection of McFarland Avenue and Peterborough Avenue. A map of the area is Attachment No. 1.

COMMENTS

McFarland Avenue and Peterborough Avenue are local residential roads located in the vicinity of Dufferin Street and Davenport Road. McFarland Avenue operates two-way northbound and southbound while Peterborough Avenue operates in a one-way direction westbound. There is an existing stop sign on Peterborough Avenue at McFarland Avenue; this is considered the through street. Sidewalk exists on both sides of both roads. The speed limit is 50 km/h on both streets.

As part of our investigation, Transportation Services staff conducted a turning movement count at the intersection between the hours of 7:30 a.m. and 9:30 a.m., and 3:00 p.m. and 5:00 p.m. on a typical day. The times of the study were dictated by the presence of two schools in the area, Regal Road Public School and Loretto College. Application of study data to the All-Way Stop Control Warrant Criteria reveals that the technical requirements for the installation of all-way stop control are not achieved at this intersection.

Although the technical warrant requirements are not achieved at this intersection, the existing stop sign is stopping the heavier volume on Peterborough Avenue. Typically, stop signs are placed to stop traffic on streets with the lower traffic volume. Staff has the option in these situations to reverse the control and stop the street with the lower volume (McFarland Avenue). However, in the past, these reverse of controls have resulted in motorists' confusion due to long established habits. In addition, we observed that most motorists on McFarland Avenue were stopping or practically stopping despite the fact that this stop control does not exist.

A review of the Toronto Police Services collision records did not reveal any reportable collisions at this intersection for a five year period between January 1, 2003 to December 31, 2007.

CONTACT

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SIGNATURE

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John Niedra, P.Eng.
Director, Transportation Services - Etobicoke York District

ATTACHMENTS

Attachment No. 1: Map
Appendix A

APPENDIX A

Warrants for All-way "Stop" Sign Control

Study location: McFarland Avenue and Peterborough Avenue

Four-Hour Study Period	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split Major/Minor Roads
Study Period Average	285	76	75/25
Warrant Requirements for Study Period Average	$\geq$250	$\geq$100	$\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"