



STAFF REPORT ACTION REQUIRED

Leland Avenue and Allan Park Road – All-Way Stop Sign Installation

Date:	January 29, 2007
To:	Etobicoke York Community Council
From:	Director, Transportation Services-Etobicoke York District
Wards:	Ward 5 – Etobicoke-Lakeshore
Reference Number:	eycc070021-to; eycc070021-to-att1

SUMMARY

The purpose of this report is to propose the installation for an all-way stop control at the intersection of Leland Avenue and Allan Park Road.

The proposed all-way stop control will enhance traffic safety at this intersection by more clearly defining right-of-way for all road users.

RECOMMENDATIONS

Transportation Services recommend that:

1. An all-way stop control be installed at the intersection of Leland Avenue and Allan Park Road.

Financial Impact

Type of Funding	Source of Funds	Amount
Available within current budget	Transportation Services Operating Budget	\$450.00

ISSUE BACKGROUND

The Transportation Services Division, Etobicoke York District, received requests from Councillor Peter Milczyn, on behalf of area residents, to investigate the feasibility of converting the intersection of Leland Avenue and Allan Park Road from a two-way to an all-way stop control. A map of the area is Attachment No. 1.

COMMENTS

Leland Avenue and Allan Park Road are local roads located in the residential community north of Norseman Street and west of Royal York Road. The legal speed limit on Leland Avenue is currently 40 km/h and there are no sidewalks on either side of the street in the vicinity of Allan Park Road. The legal speed limit on Allan Park Road is 40 km/h and there are no sidewalks on either side of the street for its entire length between Leland Avenue and Meadow Crest Road.

Stop controls are currently located on Leland Avenue at Allan Park Road. There is no stop control for southbound traffic on Allan Park Road at Leland Avenue.

The justification for the installation of an all-way stop control is based on a technical warrant adopted by Toronto City Council. Our study results and the all-way stop control warrant are summarized in Appendix A.

As outlined in Appendix A, the warrant requirements for the introduction of all-way stop controls are not achieved at the intersection of Leland Avenue and Allan Park Road. However, given that the major street (Leland Avenue) is currently the stop street, and due to motorists' confusion with respect to driver right-of-way at this location, we are recommending the installation of an all-way stop control at the intersection of Leland Avenue and Allan Park Road.

Although the balance of flow of traffic at the intersection of Leland Avenue and Allan Park Road would technically warrant a stop control reversal (i.e. install a stop control for southbound traffic and remove the existing stop controls for eastbound and westbound traffic), staff does not support this type of traffic control amendment given that the community is accustomed to having these stop controls located on Leland Avenue at Allan Park Road. Furthermore, the vertical alignment on Leland Avenue, west of Allan Park Road, is down-grade for eastbound traffic. As a result, southbound motorists approaching the intersection of Leland Avenue and Allan Park Road cannot see eastbound motorists until the eastbound motorists have travelled over the crest of the existing hill on Leland Avenue, west of Allan Park Road. However, the existing stop control at the west approach of the intersection of Leland Avenue and Allan Park Road, requires eastbound traffic to stop, thus reducing the potential of a collision between vehicles entering from the north and west approaches of the intersection.

The proposed installation of an all-way stop control at the intersection of Leland Avenue and Allan Park Road will more clearly define right-of-way for all road users, thus improving traffic safety at this location.

CONTACT

Mark Hargot, Supervisor, Traffic Engineering-Etobicoke York District
Tel: (416)394-8408; Fax: (416)394-8453
E-mail: mahargot@toronto.ca

SIGNATURE

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

ATTACHMENTS

Appendix A
Attachment No. 1: Map

Appendix A

Study Location: Leland Avenue and Allan Park Road

Date: Thursday, June 8, 2006

Four-Hour Study Period 7:00 a.m. to 9:00 a.m. 4:00 p.m. to 6:00 p.m.	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split Major/Minor Roads
Study Period Average	35	8	77/23
Warrant Requirements for Study Period	≥ 250	≥ 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”.