



# STAFF REPORT ACTION REQUIRED

## Riverhead Drive and Katrine Road – All-Way Stop Control

|                          |   |
|--------------------------|---|
| <b>Date:</b>             | May 1, 2008   |
| <b>To:</b>               | Etobicoke York Community Council                            |
| <b>From:</b>             | Director, Transportation Services - Etobicoke York District |
| <b>Wards:</b>            | Ward 2 – Etobicoke North                                    |
| <b>Reference Number:</b> | p:\2008\Cluster B\TRA\EtobicokeYork\eycc080061-to – AFS7692 |

### 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 Riverhead Drive and Katrine Road. The stop sign will enhance traffic safety while stopping the traffic on the approach with the minor volume (Katrine Road).

### RECOMMENDATIONS

Transportation Services recommend that Etobicoke York Community Council approve:

1. The installation of an all-way stop control at the intersection of Riverhead Drive and Katrine Road.

### Financial Impact

| Type of Funding                 | Source of Funding                        | Amount    |
|---------------------------------|--|-----------|
| Available within current budget | Transportation Services Operating Budget | \$ 500.00 |

### ISSUE BACKGROUND

As a result of a request from an area resident, Transportation Services staff investigated the feasibility of implementing an all-way stop control at the intersection of Riverhead Drive and Katrine Road. A map of the area is Attachment No. 1.

## **COMMENTS**

Riverhead Drive and Katrine Road are local residential roads located in the community between Islington Avenue and Kipling Avenue, south of Albion Road. Although Katrine Road terminates at Riverhead Drive, as the stop signs exist on Riverhead Drive, this is considered the through street. Sidewalk exists on both sides of both roads. An all-way stop currently exists to the west of this intersection at Barford Road and Katrine Road, near Rivercrest Junior School. The speed limit is 40 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. Application of study data to the All-Way Stop Control Warrant 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 the intersection of Riverhead Drive and Katrine Road, the existing stop signs are stopping the heavier volume on Riverhead Drive. Typically, stop signs are placed to stop traffic on streets with the lower traffic volume. We have the option in these situations to reverse the control and stop the street with the lower volume (Katrine Road). 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 Katrine Road 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: Riverhead Drive and Katrine Road

| Four-Hour Study Period                        | Total Approach Vehicle Volume | Vehicle/Pedestrian Volume Crossing Major Road | Unit Volume Split Major/Minor Roads |
|---|-------------------------------|---|-------------------------------------|
| Study Period Average                          | 23                            | 17  | 30/70                               |
| 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”