



# STAFF REPORT ACTION REQUIRED

## Mercury Road - Speed Limit Reduction

<b>Date:</b>	August 21, 2007
<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:\2007\Cluster B\TRA\EtobicokeYork\eycc070141-to – AFS5878

### 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 obtain approval to reduce the speed limit on Mercury Road between Martin Grove Road and Kearney Drive to 40 km/h.

Installing a 40 km/h speed limit on Mercury Road is consistent with the 40 km/h Speed Limit Warrant. Approval of this report will result in a 40 km/h speed limit being posted on Mercury Road between Martin Grove Road and Kearney Drive.

### RECOMMENDATIONS

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

1. Enact a 40 km/h speed limit on Mercury Road between Martin Grove Road and Kearney Drive, as the requirements of the 40 km/h Speed Limit Warrant are achieved.

### Financial Impact

Type of Funding	Source of Funds	Amount
Available within current budget	Transportation Services Operating Budget	\$1000.00

## **ISSUE BACKGROUND**

Transportation Services staff conducted speed studies on Mercury Road, because of a concern of a resident of this street regarding speeding and applied the results to the 40 km/h Speed Limit Warrant. A map of the area is Attachment No. 1.

## **COMMENTS**

Mercury Road is a local road in the residential community west of Martin Grove Road north of Rexdale Boulevard. The speed limit on this road is currently 50 km/h. Traffic control signals exist at Martin Grove Road and Mercury Road. There are sidewalks on both sides of Mercury Road. Several curves exist in the road as does a park near the west end of the road.

Automatic speed and volume studies were conducted at two locations on Mercury Road. These study results reveal that the majority of motorists travel at speeds less than the 50 km/h speed limit (average speed between 37 km/h and 42 km/h), with an 85<sup>th</sup> percentile speed of between 48 km/h and 51 km/h. The 85<sup>th</sup> percentile is the speed at or below which the majority of motorists feel comfortable travelling under the existing roadway conditions. The 24-hour volume is recorded as 1,600 vehicles at the east end of the street and 336 at the southwest end of the street.

Toronto Police Service collision records for a five-year period ending December 31, 2006, indicates eight collisions on this road, none of which were speed related.

Under the current Council policy, 40 km/h speed limits may be implemented on streets where the Road Width and either Pedestrian or Road and Traffic Environment criteria are met. Mercury Road satisfies the Road Width and Road and Traffic Environment criteria as set in Appendix A – Table 1 attached. Since there are a number of curves on Mercury Road with a safe travel speed of less than 50 km/h, it is prudent to reduce the speed limit. The complete results are shown in Appendix A attached.

**CONTACT**

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**SIGNATURE**

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

**ATTACHMENTS**

Appendix A – Table 1  
Attachment No. 1: Map

## APPENDIX A – TABLE 1

### 40 Km/h Speed Limit Warrant – Mercury Road

<b>A. ROAD WIDTH</b>			
1.	(i)	Pavement width equal to or greater than 10.5 metres and the 85 <sup>th</sup> percentile speed is equal to or less than 50 km/h	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>OR</b>			
	(ii)	Pavement width less than 10.5 metres	
PAVEMENT WIDTH: 8.5 metres 85 <sup>TH</sup> PERCENTILE SPEED: 48 - 51 km/h			
<b>AND</b>			
<b>B. PEDESTRIAN ENVIRONMENT</b>			
1.	(i)	Elementary or junior high school abuts the road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<b>OR</b>			
	(ii)	Parkland abuts the road which is contiguous to and used to gain access to an elementary or junior high school Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>OR</b>			
	(iii)	Absence of sidewalk on both sides of the road or a major portion of the road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>OR</b>			
<b>C. ROAD AND TRAFFIC ENVIRONMENT</b>			
1.	(i)	Two or more locations where grades are greater than 5%; and/or safe speed on curves is less than 50 km/h Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>OR</b>			
	(ii)	2 or more locations where there is lack of sufficient distance to stop safely traveling at 50 km/h Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>OR</b>			
	(iii)	Pattern of collisions where vehicle speed was identified as a factor Local streets – 3 or more over 3 years Other streets – 5 or more over 3 years Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	