



STAFF REPORT ACTION REQUIRED

Chapman Road - Speed Limit Reduction

Date:	May 8, 2007
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 2 – Etobicoke North
Reference Number:	eycc070067-to-4901

SUMMARY

The purpose of this report is to obtain approval to reduce the speed limit on Chapman Road from Royal York Road to Fabian Place to 40 km/h.

Installing a 40 km/h speed limit on Chapman Road is consistent with the 40 km/h Speed Limit Warrant and a logical extension of the existing 40 km/h speed limit that is posted east of Fabian Place, near Westmount Public School. Approval of this report will result in a 40 km/h speed limit being posted on Chapman Road between Royal York Road and Arcade Drive.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve rescinding the existing 40 km/h speed limit regulation on Chapman Road between Fabian Place and Arcade Drive; and
2. City Council approve enacting a 40 km/h speed limit on Chapman Road from Royal York Road to Arcade 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	\$600.00

ISSUE BACKGROUND

Speed studies were conducted on Chapman Road, because of a petition from residents of the street concerned about speeding, specifically in the area to the east of Fabian Place. Also requested in this petition was the installation of speed humps. Transportation Services staff applied the speed study results to the 40 km/h Speed Limit Warrant and the Traffic Calming Warrant. A map of the area is Attachment No. 1.

COMMENTS

Chapman Road is a local road in the residential community between Royal York Road and Scarlett Road, north of Eglinton Avenue. The speed limit on this road is 50 km/h, except in the area of Westmount Public School, where a 40 km/h speed limit is posted (between Fabian Place and Arcade Drive). All-way stop controls exist on Chapman Road at Arcade Drive, and at Griggsden Avenue. There are sidewalks on both sides of Chapman Road.

Automatic speed and volume studies were conducted on Chapman Road. The study results reveal that the majority of motorists travel at speeds less than the 50 km/h speed limit, with 85th percentile speeds between 51 km/h and 55 km/h. The 85th percentile is the speed at or below which the majority of motorists feel comfortable travelling under the existing roadway conditions. The 24-hour volume ranged between 1,245 and 2,262 vehicles.

Toronto Police Service collision records for a three-year period ending December 31, 2006, indicates no speed related collisions on Chapman Road.

Under the current Council policy, 40 km/h speed limits may be implemented on streets where Road Width and either Pedestrian or Road and Traffic Environment criteria are met. Chapman Road satisfies the Road Width and Pedestrian Environment criteria as set in Appendix A – Table 1 attached. Since there is a school on Chapman Road, and this road is used by children to access the school, it is prudent to extend the speed limit to Royal York Road.

Application of study data to the Traffic Calming Warrant, adopted by Toronto City Council in April 2002, has determined that Chapman Road does not satisfy the minimum criteria to warrant traffic calming. The complete results are shown in Appendix A – Table 2 attached.

CONTACT

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SIGNATURE

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ATTACHMENTS

Appendix A – Tables 1 and 2
Attachment No. 1: Map

APPENDIX A – TABLE 1

40 Km/h Speed Limit Warrant – Chapman Road

A. ROAD WIDTH			
1.	(i)	Pavement width equal to or greater than 10.5 metres and the 85 th percentile speed is equal to or less than 50 km/h	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
OR			
	(ii)	Pavement width less than 10.5 metres	
PAVEMENT WIDTH: 8.7 metres 85 TH PERCENTILE SPEED: 51 - 55 km/h			
AND			
B. PEDESTRIAN ENVIRONMENT			
1.	(i)	Elementary or junior high school abuts the road Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
OR			
	(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"/>	
OR			
	(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"/>	
OR			
C. ROAD AND TRAFFIC ENVIRONMENT			
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OR			
	(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"/>	
OR			
	(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"/>	

APPENDIX A – TABLE 2

Traffic Calming Warrant Criteria Table- Chapman Road

All the following criteria must be met to warrant traffic calming.

Warrant	Criterion	Requirement	Met	Not Met
Warrant 1 Petition	1.1 Petition	Petition signed by at least 25% of the households on the street	✓	
	Impacts to adjacent streets		If significant impacts are expected on adjacent streets these streets should be included in the proposal	
Warrant 2 Safety Criteria (all three criteria must be fulfilled to satisfy warrant)	2.1 Sidewalks	Continuous sidewalks on at least one side of street (both sides for collector or higher classification) OR On streets where no sidewalks exist, installation of sidewalks on at least one side must first be considered	✓	
	2.2 Road Grade	Traffic calming measures must not be installed at or near locations where road grade exceeds 8% *	✓	
	2.3 Emergency Response	Impacts on Emergency Services will not be significant (as determined in consultation with Fire Ambulance and Police)	✓	
Warrant 3 Technical Requirements	3.1 Minimum Speed	The 85 th percentile speed must be a minimum of 10 km/h over the warranted speed limit and the volume warrant of 3.2 must be fulfilled (3.2 not required if 85 th percentile > 15km/h over speed limit)		✓ * 51- 55 km/h
	3.2 Traffic Volumes	Local Roads Traffic volume must be between 1,000 and 8,000 vehicles per day	Collector Roads Traffic volumes must be between 2,500 and 8,000 vehicles per day	✓ 1,251- 2,262 vpd
	3.3 Minimum Block Length	On streets where mid-block traffic calming measures are proposed the minimum block length must exceed 120 metres		✓
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Service vehicles will not be significant (as determined in consultation with TTC staff)		✓ no service

* Studies conducted with existing 50 km/h speed limit