



STAFF REPORT ACTION REQUIRED

Lavington Drive and Ludstone Drive – Speed Limit Amendments

Date:	November 30, 2009
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 4 – Etobicoke Centre
Reference Number:	p:\2010\Cluster B\TRA\EtobicokeYork\eycc100001-to

SUMMARY

This staff report is about a matter that 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 Lavington Drive and on Ludstone Drive.

A staff assessment has determined that the criteria for installing of a 40 km/h speed limit are achieved, in that the findings are consistent with the 40 km/h Speed Limit Warrant. Approving this report will result in a 40 km/h speed limit regulation on Lavington Drive, between Martin Grove Road and Celestine Drive and an extension of the 40 km/h speed limit to include all of Ludstone Drive, between Lavington Drive and Celestine Drive.

RECOMMENDATIONS

Transportation Services recommends that Etobicoke York Community Council approve:

1. Rescinding the existing 40 km/h speed limit on Ludstone Drive, between Celestine Drive and Arkley Crescent.
2. Enacting a 40 km/h speed limit on Ludstone Drive, between Celestine Drive and Lavington Drive, as the requirements of the 40 km/h Speed Limit Warrant are achieved.
3. Enacting a 40 km/h speed limit on Lavington Drive, between Celestine Drive and Martin Grove Road, 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	\$900.00

ISSUE BACKGROUND

Transportation Services staff received a request from Councillor Gloria Lindsay Luby, forwarding concerns of an area resident, regarding speeding on Ludstone Drive and Lavington Drive. In response, speed studies were conducted by Transportation Services staff on both streets. The study results were applied to the 40 km/h Speed Limit Warrant.

A map of the area is Attachment 1.

COMMENTS

Lavington Drive is a 9.8 metre wide road while Ludstone Drive is 8.5 metres wide. Both roads are two-way, local residential streets located in the community to the south of Dixon Road, east of Martin Grove Road. Both streets are constructed to urban standards (curb and gutter) with sidewalks on both sides.

Transfiguration of our Lord Catholic School is located on Ludstone Drive. In addition, Felix Leclerc School is located on Celestine Drive, which is contiguous to Lavington Drive by Martingrove Gardens Park.

The speed limit on Lavington Drive is 50 km/h. A portion of Ludstone Drive, near Transfiguration of our Lord Catholic School, is posted as 40 km/h with the remaining portion of the street as 50 km/h.

Automatic speed and volume studies were conducted on both Lavington Drive and Ludstone Drive. The results of these studies are described in the following tables:

Location:	Lavington Drive, west of Ludstone Drive					
Count Date:	Wednesday, October 28, 2009					
	Eastbound			Westbound		
Time Period	Traffic Volume (Veh/Hour)	85 th %-tile Speed (km/h)	10 km/h Pace (km/h)	Traffic Volume (Veh/Hour)	85 th %-tile Speed (km/h)	10 km/h Pace (km/h)
a.m. Peak Hour	69	54		56	55	
p.m. Peak Hour	69	57		56	55	
Total 24 Hour	677	55	41-50	629	55	41-50

Location: Ludstone Drive, north of Lavington Drive						
Count Date: Wednesday, October 28, 2009						
Time Period	Northbound			Southbound		
	Traffic Volume (Veh/Hour)	85 th %-tile Speed (km/h)	10 km/h Pace (km/h)	Traffic Volume (Veh/Hour)	85 th %-tile Speed (km/h)	10 km/h Pace (km/h)
a.m. Peak Hour	24	44		14	49	
p.m. Peak Hour	16	48		15	54	
Total 24 Hour	154	46	32-41	169	47	36-45

The 85th percentile and 10 km/h pace speeds are statistical measures of free-flow vehicle operating speeds. The 85th percentile speed is the vehicle operating speed at or below which 85 per cent of all traffic is moving. Studies show that crash rates are lowest at around the 85th percentile speed. The 10 km/h pace speed represents the speed range, 10 km/h in this case, containing the highest number of speed observations.

Toronto Police Service collision records for a five-year period ending December 31, 2008, show no reported collisions where speeding was identified as a contributing factor on either Lavington Drive or Ludstone Drive.

Under current Council policy, 40 km/h speed limits may be implemented on streets meeting specified road width, pedestrian or traffic criteria. Both Lavington Drive and Ludstone Drive satisfy the “Road Width” and “Pedestrian Environment” criteria as described in the attached Appendix A: Table 1, since Transfiguration of our Lord Catholic School has direct frontage on Ludstone Drive, with Felix Leclerc School contiguous to Lavington Drive by Martingrove Gardens Park

We wish to emphasize that while the combination of speed and volume data technically meet the warrant for reducing the speed limit in this area, our study found no evidence of either speeding or crashes correlated with excessive speed, and that motorists appear to be driving at safe speeds suitable for a local road. Since the majority of drivers already travel at speeds considered reasonable for this classification of road, it is anticipated that non-compliance with these reduced speed limits may result in additional requests for police enforcement and more restrictive traffic control measures.

CONTACT

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SIGNATURE

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ATTACHMENTS

Appendix A: Table 1

Attachment 1: Map

APPENDIX A

40 Km/h Speed Limit Warrant – Lavington Drive and Ludstone Drive

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
OR		
	(ii)	Pavement width less than 10.5 metres
		PAVEMENT WIDTH: 8.5 to 9.8 metres 85TH PERCENTILE SPEED: 55 and 47 km/h
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

AND

B. PEDESTRIAN ENVIRONMENT		
1.	(i)	Elementary or junior high school abuts the road Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Ludstone Drive
OR		
	(ii)	Parkland abuts the road which is contiguous to and used to gain access to an elementary or junior high school Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Lavington Drive
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"/>
		Yes <input checked="" type="checkbox"/> No <input 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"/>
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"/>
		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>