

Barbara Gray
General Manager
Transportation Services Division
City Hall, 24th Floor, East Tower
100 Queen Street West
Toronto, Ontario M5H 2N2

Bruce Clayton, Manager
Traffic Operations
Etobicoke York District
399 The West Mall, 3rd Fl. South
Toronto, ON. M9C 2Y2

Tel: (416) 394-8409
Fax: (416) 394-8942
E-mail: bruce.clayton@toronto.ca

To: Councillor Justin Di Ciano, Ward 5, Etobicoke-Lakeshore

From: Bruce Clayton, Manager, Traffic Operations-Etobicoke York District

Date: July 27, 2017

Subject: **Service Request # 7901828 – Earlington Avenue**

- **Request for Traffic Calming**

This memorandum is in response to the request from your office, on behalf of area residents, to review concerns regarding vehicular speeds on Earlington Avenue between Dundas Street West and Government Road and to determine if traffic calming measures is warranted or feasible. We have now completed our studies and offer the following comments.

Context/History

Earlington Avenue is a 7.8 metres wide two-lane road classified in the City's Road Classification System as a "Local" road. It is located in a residential community south of Dundas Street West and east of Prince Edward Drive North. The roadway is built to urban standards (curb and gutter) with a sidewalk on the west side. The speed limit on Earlington Avenue is 40 km/h.

Data Collection/Analysis

To address concerns regarding speeding vehicles, automatic speed and volume counts were conducted on Earlington Avenue for a 48-hour period (April 18th and 19th, 2017) between Dundas Street West and Thorndale Avenue. The study revealed that the 85th percentile speed (the speed at or below which 85 percent of the motorists feel comfortable travelling given the prevailing traffic and roadway conditions) was 46 km/h with an average speed of 37 km/h. During our studies the instances of excessive speeding were not prevalent, as indicated in our attached *Technical Summary* document.

Application of our study data to the City of Toronto Traffic Calming Warrant reveals that traffic calming is not warranted on Earlington Avenue as the 85th percentile speed is less than 10 km/h above the current 40 km/h speed limit and the minimum required traffic volume of 1,000 vehicles per day (on a local road) were not obtained. Please see attached *Technical Summary*.

In addition to our speed studies, we reviewed the collision history on Earlington Avenue between Dundas Street West and Government Road for a five-year period, January 1, 2012 to December 31, 2016. According to the Toronto Police Service collision records, this roadway has a good safety record with no collisions involving pedestrians nor speeding vehicles.

Conclusion/Recommendations

Based on our study results, observations and the collision history, the majority traffic on Earlington Avenue is operating in a safe and efficient manner with most motorists adhering to the 40 km/h speed limit. Based on the non-compliance of the Warrants, physical traffic calming is neither justified nor recommended at this time.

Should you have any questions, please call Mark Hargot, Supervisor of Traffic Operations, Etobicoke York District at (416) 394-8453.

Sincerely,



Bruce Clayton
Manager, Traffic Operations, Etobicoke York District

BSL/bsl

att.

Service Request #7901826

c. Street Files "Earlington Avenue"

TECHNICAL SUMMARY
Earlington Avenue – Dundas Street West to Government Road

1.0 Existing Roadway Classification

Roadway	Road Classification	Typical Daily Vehicle Volume
Earlington Avenue	Local Road	Less than 2,500 vehicles

- 40 km/h speed limit on Earlington Avenue
- Sidewalk is present on the west side of the street

2.0 Volume and Speed Data

Speed Limit: 40 km/h

Study Location: Earlington Avenue: between Dundas Street West and Thorndale Avenue (near #18)

Study Date & Location	Speed Ranges – Km/h (vehicles)					24 Hour Vehicle Total	24-hr 85 th Percentile
	1 – 40	41 – 50	51 – 55	56 – 60	> 60		
Tues. April 18/ 2017	591	255	37	16	3	902	46 km/h
Wed. April 19/ 2017	569	249	44	7	3	872	46 km/h

*The 85th percentile is the speed at or below which the majority of motorists feel comfortable travelling at under the existing roadway conditions.

3.0 Toronto Police Service Collision Records

Five-year (January 1, 2012 – December 31, 2016) review period for which we have complete data.
Study Location: Earlington Avenue between Dundas Street West and Government Road

Year	Total Reported Collisions	Collisions Related to Speed	Other Collisions
2012	0	0	0
2013	0	0	0
2014	1	0	1*
2015	1	0	1**
2016	0	0	0

*Damage to a parked vehicle

**Vehicle lost control struck utility box and fled scene

TECHNICAL SUMMARY
Earlington Avenue

4.0 Traffic Calming Warrant

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 (to be determined in consultation with Fire Ambulance and Police)		To be determined
Warrant 3 Technical Requirements	3.1 Minimum Speed	The 85 th percentile speed must be a minimum of 10km/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)		✓ 46 km/h 6 km/h above the speed limit
	3.2 Traffic Volumes	<i>Local Roads</i> Traffic volume must be between 1,000 and 8,000 vehicles per day	<i>Collector Roads</i> Traffic volumes must be between 2,500 and 8,000 vehicles per day	✓ Local Road 902 Veh. Per day
	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)	✓	
Notes: 1) The review should be conducted from one intersecting collector street to another 2) Road classification as determined by the City's Road Classification System 3) Warranted speed limit is speed limit specified in the City of Toronto 40 km/h Speed Limit Warrant 4) Block length as measured from the centre to centre of controlled intersections (from either stop signs in the direction of travel or traffic control signals)				

All criteria need to be met to warrant physical traffic calming, which is not the case on Earlington Avenue.