

Traffic Calming (Speed Humps) and U-Turn Prohibition Review – Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive

Date: February 24, 2020
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 22 – Scarborough-Agincourt

SUMMARY

This staff report is about a matter that Community Council has delegated authority to make a final decision.

In response to the Councillor's and residents' concerns regarding the speed of vehicles on Beverly Glen Boulevard, Transportation staff reviewed the need for traffic calming on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive. Our assessment indicates the criteria as set out in the Traffic Calming Policy has not been satisfied on this street. Therefore, traffic calming should not be installed on Beverly Glen Boulevard.

Transportation staff also reviewed the feasibility of prohibiting U-turns on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive, to determine a U-Turn prohibition will reduce conflicts between all users and improve safety along this section of Beverly Glen Boulevard in the vicinity of Beverly Glen Junior Public School.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services, recommends that:

1. Scarborough Community Council prohibit eastbound and westbound U-turn movements at all times on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive.

2. Scarborough Community Council not authorize the installation of traffic calming measures on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive.

FINANCIAL IMPACT

The cost of installing U-turn prohibition signs on Beverly Glen Boulevard is approximately \$1,000.00. The funding for these signs is available in the Transportation Services Division's 2020 Operating Budget estimates.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Existing Conditions

The following characteristics describe Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive:

- Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive is a two-way local road.
- The pavement width for this roadway is approximately 8.5 metres and the posted speed limit is 40 km/h.
- There are municipal sidewalks along both sides of Beverly Glen Boulevard and there is no TTC service on this roadway.
- The land use in the surrounding area consists mainly of single-family residential dwellings and an elementary school.

Vision Zero – Toronto's Road Safety Plan

The City of Toronto is committed to eliminating traffic-related deaths and serious injuries on its roadways and protecting its most vulnerable road users (VRU), including pedestrians and cyclists. To help the City achieve that goal, in July 2016, City Council adopted the Vision Zero Road Safety Plan, which is a comprehensive, city-wide strategy

that includes many road safety countermeasures that address all road users, but with particular emphasis on VRU. "School Children" is one of six emphasis areas identified in the plan.

To improve safety in areas around schools, the City is designating school safety zones and community safety zones at all schools across the City, starting with elementary (grades K-8) schools. The School Safety Zones Program involves the installation of various signs and pavement marking enhancements along frontages of schools within 150 metres of the school property, including new "School Zone" signs with flashing beacons, radar speed display signs (also referred to as driver feedback signs), "SCHOOL" and speed limit stencils painted on the roadway and zebra crossings at all stop-controlled intersections.

With regards to community safety zones in 2018, City Council authorized the designation of community safety zones within approximately 150 metres of the school property in front of all elementary schools.

To date, nine schools in Ward 22 have received school safety zone treatments and the above countermeasures have already been implemented. Currently, JB Tyrrell Senior Public School is ranked 24th among 33 schools identified in Ward 22 and School Safety Zone treatments are expected to be implemented in the future based on the ranking.

Analysis

U-Turn Prohibition

A U-turn prohibition on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive and in the vicinity of Beverly Glen Junior Public School will improve overall safety of all road traffic, including vulnerable road users, by minimizing vehicle conflicts. Prohibiting U-turns at this location will also allow for enforcement by the Toronto Police Service, and bring this community one step closer to the City-wide Vision Zero initiative.

Collision Analysis

A review of Toronto Police Services collision records for the three-year period ending December 31, 2018, did not find any reported collisions attributed to speeding on Beverly Glen Boulevard.

Traffic Calming Warrants

Transportation Services conducted mid-block speed and volume studies on Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive. The study found the vehicular operating speed on Beverly Glen Boulevard to be between 42 km/h and 49 km/h and the average daily traffic volume of approximately 2,846 vehicles. The

operating speeds on Beverly Glen Boulevard are less than the required minimum 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria. The attached technical summary entitled "Attachment 1 - Table 1: Traffic Calming Warrant Criteria – Beverly Glen Boulevard", outlines the results of our assessment.

The Ward Councillor has been advised of the recommendations of this staff report.

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ATTACHMENTS

1. Attachment 1 – Table 1: Traffic Calming Warrant Criteria Beverly Glen Boulevard
2. Attachment 2 – Location Plan - Traffic Calming and U-Turn Prohibition Review – Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive

Attachment 1 - Table 1: Traffic Calming Warrant Criteria

Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive

All three of the following warrants must be achieved

Warrant	Criterion	Requirement		Warrant Satisfied
Warrant 1 Petition	1.1 Petition	Petition signed by at least 25% of the households on the street and/or 10% multiple family rental dwellings		No Petition
Warrant 2 Safety Criteria [all three criteria must be fulfilled to satisfy warrant]	2.1 Sidewalks	Are there continuous sidewalks on at least one side of street [both sides for collector of higher classification] OR On streets where no sidewalks exist, installation of sidewalks on at least one side must first be considered		Yes
	2.2 Road Grade	Road grade does not exceed 8% [Traffic calming measures must not be installed at or near these locations where grade exceeds 8%]		Yes
	2.3 Emergency Response	Emergency Services have noted that the impact of traffic calming, specifically speed humps, will not significantly affect service delivery		N/A
Warrant 3 Technical Requirement [all four criteria must be fulfilled to satisfy warrant]	3.1 Minimum Speed	The 85th percentile speed must be a minimum of 10 km/h over the warranted speed limit and the volume warrant [3.2] must be fulfilled*		No (42 - 49 km/h)
	3.2 Traffic Volumes	Local Road Traffic volume must be between 1,000 and 8,000 vehicles per day	Collector Road Traffic volumes must be between 2,500 and 8,000 vehicles per day	Yes (2,846 vpd)
	3.3 Minimum Block Length	On streets where mid-block traffic calming measures are proposed, the minimum block length must exceed 120 metres		Yes
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Service vehicles will not be significant [as determined in consultation with TTC staff]		N/A
Warranted [yes/no]				No

Attachment 2 - Location Plan - Traffic Calming and U-Turn Prohibition Review – Beverly Glen Boulevard, between Bridletowne Circle and Heatherside Drive

