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Town of Aurora

Memorandum

Planning and Development Services

Re: Request for Traffic Calming Measures on Timberline Trail

To: Active Transportation and Traffic Safety Advisory Committee

From: Michael Ha, Transportation and Traffic Analyst

Date: November 27, 2024

Recommendation

1. That the memorandum regarding Request for Traffic Calming Measures on Timberline Trail be received; and
2. That the Active Transportation and Traffic Safety Advisory Committee comments regarding Request for Traffic Calming Measures on Timberline Trail be received and referred to staff for consideration and further action as appropriate.

Background

In response to requests received from an area resident, staff have undertaken a traffic calming assessment on Timberline Trail between Highland Gate and Trillium Drive (Attachment 1).

Town staff completed traffic calming warrant analyses following the procedures and methodologies outlined in the Town's Traffic Calming Policy at the following locations:

- Timberline Trail east of Klees Crescent (west leg)
- Timberline Trail west of Greenlefe Court

Analysis

Timberline Trail is a two-lane local road with single lane per travel direction. It has an urban cross-section with curbs on both sides of the road. A sidewalk is provided on the north side of the road and the existing pavement width is 7.0 metres. The posted speed limit is 40 km/h.

Traffic Calming Assessment

As set out in the Town’s Traffic Calming Policy, there are three requirements (warrants) that must be met for traffic calming measures to be considered:

- Warrant No. 1 (Petition): To ensure that residents in the immediate area are in support of traffic calming measures. The minimum threshold is 70% of households on the street.
- Warrant No. 2 (Safety Requirements): To ensure traffic calming measures are installed to improve traffic safety. A continuous sidewalk must be on at least one side of the street and the road grade be less than 5%.
- Warrant No. 3 (Technical Requirements): To ensure that traffic calming measures are implemented on streets that have a proven need for such measures. The 85th percentile speed over a seven-day period must be a minimum of 15 km/h over the posted speed limit, and the minimum traffic volume is 1,500 vehicles per day.

The subject locations have satisfied warrant no. 1 and warrant no. 2. Traffic data was collected at the subject locations over a seven-day period to complete the analysis on warrant no. 3 (Table 1).

Table 1: Traffic Calming Warrant Analysis Summary (Warrant no. 3)

Locations	Requirements		Yes / No
	Minimum Speed (85 th Percentile Minimum 15 km/h Over Posted Speed Limit)	Minimum Volumes (Between 1,500 and 8,000 Vehicles Per Day)	
Timberline Trail east of Klees Crescent (west leg)	1 km/h Over Posted Speed Limit	320 Vehicles Per Day	No
Timberline Trail west of Greenlefe Court	3 km/h Over Posted Speed Limit	286 Vehicles Per Day	No

Based on the requirements outlined in the Traffic Calming Policy, traffic calming measures are not warranted at the subject locations on Timberline Trail.

Attachments

1. Traffic Calming Assessment Locations on Timberline Trail Map