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Town of Aurora
Committee of the Whole Report
No. PDS25-002

Subject: Traffic Calming Request on Timberline Trail
Prepared by: Michael Ha, Transportation and Traffic Analyst
Department: Planning and Development Services
Date: January 14, 2025

Recommendation

1. That Report No. PDS25-002 be received for information.

Executive Summary

This report presents the results of traffic calming assessments completed on Timberline Trail between Highland Gate and Trillium Drive.

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

Background

In response to requests received from area residents, 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

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

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.

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 85 th 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).

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

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 |

Advisory Committee Review

At its meeting on November 27, 2024, members of the Active Transportation and Traffic Safety Advisory Committee (ATTSAC) are generally in support of the recommendation of not proceeding with traffic calming implementation.

Legal Considerations

The Town has a responsibility to maintain road safety for the traveling public. Thoroughly investigating concerns raised by the public is essential to minimizing the risk of increased claims liability. By thoroughly investigating concerns raised by the public and adopting any recommendations resulting from the investigation, the Town can defend itself against legal claims and ensure a safer environment for the travelling public. Where the investigation has been thorough and reveals that no modification or mitigation is necessary, the Town would likely not have increased liability.

Financial Implications

None.

Communications Considerations

None.

Climate Change Considerations

The recommendations from this report does not impact greenhouse gas emissions or impact climate change adaptation.

Link to Strategic Plan

This report supports the Strategic Plan goal of Support an Exceptional Quality of Life for All by examining traffic patterns and identify potential solutions to improve movement and safety at key intersections in the community.

Alternative(s) to the Recommendation

1. That Council provide direction.

Conclusions

This report presents to Council the results of traffic calming assessment on Timberline Trail between Highland Gate and Trillium Drive (Attachment 1).

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

Attachments

Attachment 1 - Traffic Calming Assessment Locations on Timberline Trail

Previous Reports

None.

Pre-submission Review

Agenda Management Team review on December 12, 2024

Approvals

Approved by Marco Ramunno, Director, Planning and Development Services

Approved by Doug Nadorozny, Chief Administrative Officer