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Town of Aurora

Memorandum

Planning and Development Services

Re: Request for Traffic Calming Measures - Various Locations
To: Active Transportation and Traffic Safety Advisory Committee
From: Michael Bat, Traffic/Transportation Analyst
Date: April 26, 2023

Recommendation

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

Background

In response to requests received from area residents for traffic calming measures, Town staff completed warrant analyses following the procedures and methodologies outlined in the Town's Traffic Calming Policy at the following five locations:

- Location 1: Conover Avenue between River Ridge Boulevard and Borealis Avenue;
- Location 2: Conover Avenue between Martell Gate and River Ridge Boulevard;
- Location 3: Kennedy Street West between Bathurst Street and McGee Crescent (east leg);
- Location 4: Aurora Heights Drive between Bathurst Street and Delayne Drive (west leg); and,
- Location 5: Allenvale Drive between Carlyle Crescent (north leg) and Covent Crescent.

The subject locations are shown in Attachment 1.

Analysis

As set out in the Town’s Traffic Calming Policy, there are three requirements (warrants) 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 were collected at the subject locations over a seven-day period to complete warrant no. 3. The traffic calming warrant analysis is summarized in Table 1.

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

Locations		Requirements		Yes / No
No.	Descriptions	Minimum Speed (85 th Percentile Minimum 15 km/h Over Posted Speed Limit)	Minimum Volumes (Between 1,500 and 8,000 Vehicles Per Day)	
1	Conover Avenue (between River Ridge Boulevard and Borealis Avenue)	15 km/h Over Posted Speed Limit	2,314 Vehicles Per Day	Yes
2	Conover Avenue (between Martell Gate and River Ridge Boulevard)	13 km/h Over Posted Speed Limit	2,981 Vehicles Per Day	No
3	Kennedy Street West (between Bathurst Street and McGee Crescent (east leg))	13 km/h Over Posted Speed Limit	2,288 Vehicles Per Day	No
4	Aurora Heights Drive (between Bathurst Street and Delayne Drive (west leg))	15 km/h Over Posted Speed Limit	3,131 Vehicles Per Day	Yes
5	Allenvale Drive (between Carlyle Crescent (north leg) and Covent Crescent)	7 km/h Over Posted Speed Limit	2,368 Vehicles Per Day	No

Based on the requirements outlined in the Traffic Calming Policy, staff recommends installing traffic calming measures (speed cushions) at the following locations:

- Location 1: Conover Avenue between River Ridge Boulevard and Borealis Avenue; and,
- Location 4: Aurora Heights Drive between Bathurst Street and Delayne Drive (west leg).

Attachments

Attachment 1 - Subject Locations