

City of Mississauga
Corporate Report



<p>Date: January 20, 2023</p> <p>To: Chair and Members of General Committee</p>	<p>Originator's files: MG.23.REP RT.10. Z-8</p>
<p>From: Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works</p>	<p>Meeting date: February 8, 2023</p>

Subject

All-Way Stop – Stavebank Road and Pinetree Way (Ward 1)

Recommendation

That an all-way stop control not be implemented at the intersection of Stavebank Road and Pinetree Way, as outlined in the report from the Commissioner of Transportation and Works, dated January 20, 2023, and entitled “All-Way Stop – Stavebank Road and Pinetree Way (Ward 1)”.

Background

The Transportation and Works Department has been requested by the Ward Councillor to submit a report to General Committee regarding the implementation of an all-way stop at the intersection of Stavebank Road and Pinetree Way.

Currently, the intersection of Stavebank Road and Pinetree Way operates as a three-leg intersection with stop control on Pinetree Way. A location map is attached as Appendix 1.

Comments

A manual turning movement count was completed on April 6, 2022 to determine the need for an all-way stop control based on traffic volumes. The results are as follows:

Stavebank Road at Pinetree Way

	Warrant Value
Warrant 1: Volume for All Approaches	46%
Warrant 2: Volume Split	100%

In order for an all-way stop control to be warranted based on traffic volumes, both Warrants 1 and 2 must equal 100%.

A review of the collision history at this intersection did not reveal any reported collisions within the past three years. For an all-way stop control to be warranted based on collision frequency, at least five collisions must occur in a 12-month period, provided the collisions are of the type considered correctable by the use of an all-way stop (i.e. turning movement, angle collisions).

An all-way stop is therefore not warranted based on the turning movement count results and collision history.

Engagement and Consultation

As per Policy Number: 10-04-05, All-Way Stops, and upon further direction from the Ward Councillor, staff requested input from the affected community with respect to the feasibility of an all-way stop implementation through a formal survey process.

The survey was mailed on May 6, 2022 to households within a 250-meter radius of the subject intersection. Sixty-eight questionnaires were mailed, out of which 17 (25%) were returned. Ten (59%) supported the proposal of an all-way stop at the subject intersection and 7 (49%) were opposed.

Based on the above results, the minimum requirement of 66% of the respondents in favour of the proposal was not met, therefore the subject intersection was not recommended for an all-way stop implementation.

Financial Impact

In the event that an all-way stop is required, the costs for the sign installation can be accommodated in the 2023 operating budget.

Conclusion

Based on the manual turning movement count results, collision history at this intersection and the survey results, the Transportation and Works Department recommends against the installation of an all-way stop at the intersection of Stavebank Road and Pinetree Way.

Attachments

Appendix: Location Map, All-Way Stop – Stavebank Road and Pinetree Way (Ward 1)



Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works

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