

City of Mississauga Corporate Report



11.7

Date: April 27, 2021

To: Chair and Members of General Committee

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

Originator's files:
MG.23.REP
RT.10.Z-07

Meeting date:
May 26, 2021

Subject

All-Way Stop – Aviation Road at Montbeck Crescent (Ward 1)

Recommendation

That an all-way stop control not be implemented at the intersection of Aviation Road at Montbeck Crescent, as outlined in the report from the Commissioner of Transportation and Works, dated April 27, 2021 and entitled "All-way Stop – Aviation Road at Montbeck Crescent (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 Aviation Road at Montbeck Crescent.

Currently, the intersection of Aviation Road at Montbeck Crescent operates as a four-leg intersection with stops controls eastbound and westbound on Montbeck Crescent. A location map is attached as Appendix 1.

Comments

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

Aviation Road at Montbeck Crescent

	<u>Warrant Value</u>
Warrant 1: Volume for All Approaches	100%
Warrant 2: Minor Street Volume	80%

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).

Therefore, an all-way stop is not warranted based on the turning movement count results and collision history.

Financial Impact

In the event that an all-way stop is required, costs associated with the sign installations can be accommodated by the 2021 Operating Budget in cost center 23978.

Conclusion

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

Attachments

Appendix: Location Map – All-Way Stop – Aviation Road at Montbeck Crescent (Ward 1)



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

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