

City of Mississauga Corporate Report



Date: January 20, 2021 To: Chair and Members of General Committee	Originator's files: MG.23.REP RT.10.Z-08
From: Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works	Meeting date: February 24, 2021

Subject

All-Way Stop – Pine Avenue North at Queen Street West (Ward 1)

Recommendation

That an all-way stop control not be implemented at the intersection of Pine Avenue North at Queen Street West, as outlined in the report from the Commissioner of Transportation and Works, dated January 20, 2021 and entitled "All-way Stop – Pine Avenue North at Queen Street West (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 Pine Avenue North at Queen Street West.

Currently, the intersection of Pine Avenue North at Queen Street West operates as a three-leg intersection with a stop control northbound on Pine Avenue North. 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:

Pine Avenue North at Queen Street West

	<u>Warrant Value</u>
Warrant 1: Volume for All Approaches	100%
Warrant 2: Minor Street Volume	71%

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 Pine Avenue North at Queen Street West.

Attachments

Appendix: Location Map – All-Way Stop – Pine Avenue North at Queen Street West (Ward 1)



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

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