

City of Mississauga Corporate Report



Date: December 4, 2020 To: Chair and Members of General Committee	Originator's files: MG.23.REP RT.10.Z-03
From: Geoff Wright, P.Eng, MBA, Commissioner of Transportation and Works	Meeting date: January 13, 2021

Subject

All-Way Stop – Clarkson Road South and Orr Road (Ward 2)

Recommendation

That an all-way stop control not be implemented at the intersection of Clarkson Road South and Orr Road, as outlined in the report from the Commissioner of Transportation and Works, dated December 4, 2020 and entitled “All-way Stop – Clarkson Road South and Orr Road (Ward 2)”.

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 Clarkson Road South and Orr Road.

Currently, the intersection of Clarkson Road South and Orr Road operates as a three-leg intersection with a stop control southbound on Clarkson Road South and a private driveway access on the south leg of the intersection. 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:

Clarkson Road South and Orr Road

	<u>Warrant Value</u>
Warrant 1: Volume for All Approaches	96%
Warrant 2: Minor Street Volume	64%

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 Clarkson Road South and Orr Road.

Attachments

Appendix 1: Location Map - All-Way Stop – Clarkson Road South and Orr Road (Ward 2)



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

Prepared by: Milan Pavlovic, Traffic Operations Technician