

All-Way Stop Control - Valleybrook Drive and Moatfield Drive

Date: August 2, 2019

To: North York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 16 - Don Valley East

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

Transportation Services is requesting North York Community Council to authorize the installation of all-way stop control at the intersection of Valleybrook Drive and Moatfield Drive.

The installation of all-way stop control is warranted and is recommended to clearly establish right-of-way and enhance pedestrian, cyclist and vehicular safety.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that North York Community Council:

1. Authorize all-way stop control at the intersection of Valleybrook Drive and Moatfield Drive.

FINANCIAL IMPACT

All costs associated with the installation of the all-way stop control at the intersection of Valleybrook Drive and Moatfield Drive are included within the Transportation Services 2019 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request from the Councillor's Office, Transportation Services reviewed the feasibility of introducing all-way stop control at the intersection of Valleybrook Drive and Moatfield Drive

Valleybrook Drive and Moatfield Drive are collector streets with a 40 km/h speed limit. At this T-type intersection, north-south traffic on Valleybrook Drive operates free flow and westbound traffic on Moatfield Drive is stop controlled. There are sidewalks on both sides of these streets. There is no TTC service on either of these streets.

The land use at this intersection is generally commercial and industrial. Bayview Glen Private School and Bayview Glen Day Camp are located just east of the intersection.

A review of the Toronto Police Service collision records over the three-year period ending December 31, 2018 disclosed that there has been one collision at this intersection. It did not involve a pedestrian or cyclist. The collision was considered preventable by all-way stop control.

The intersection of Valleybrook Drive and Moatfield Drive was evaluated against the warrants for all-way stop control as adopted by City Council. The warrants consist of four components, including collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

The warrant criteria was applied against the above collision history and the results of a vehicle and pedestrian count completed at the intersection during the a.m. and p.m. peak periods on June 10, 2019 and June 11, 2019. The study results are summarized in the following table.

	Valleybrook Drive and Moatfield Drive	Actual	Required	Satisfied (YES/NO)
A	Collision History	1/3 yrs	9/3 yrs	NO
B1	Average Vehicle Volumes	635/hr	375/hr	YES
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road	209/avg hr	150/avg hr	YES
B3	Percentage of traffic on major road	67%	≤70%	YES
	Overall Warrant			YES

In order for all-way stop control to be justified either Warrant A must be met or Warrants B1 or B2 combined with Warrant B3 must be met. Based on the above, the technical warrants for the installation of all-way stop control are met at the intersection of Valleybrook Drive and Moatfield Drive.

Therefore, all-way stop control is recommended at the intersection of Valleybrook Drive and Moatfield Drive. All-way stop control will reduce potential conflicts between pedestrians and motorists and will enhance the crossing environment for pedestrians at this intersection.

The Ward Councillor has been advised of the recommendation of this staff report.

CONTACT

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SIGNATURE

Roger Browne, M.A. Sc., P.Eng
Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Valleybrook Drive and Moatfield Drive

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