

The Corporation of the Town of Milton

Report To:	Council	
From:	M. Paul Cripps, P. Eng., Commissioner, Engineering Services	
Date:	July 22, 2019	
Report No:	ENG-024-19	
Subject:	Santa Maria Boulevard and McLaughlin Avenue - Implementation of All-way Stop	
Recommendation:	THAT a by-law be enacted to amend By-law 1984-1, as amended, to implement an all-way stop at the intersection of Santa Maria Boulevard and McLaughlin Avenue (see Appendix I);	
	AND THAT Schedule 12 and Schedule 13 of the Uniform Traffic Control By-law be amended accordingly (see Appendix II);	
	AND FURTHER THAT the appropriate by laws be presented to Council for approval.	

REPORT

Background

The Engineering Services department has received several requests to install an all-way stop at the intersection of Santa Maria Boulevard and McLaughlin Avenue over the past few years. Residents have expressed safety concerns with the amount of traffic and pedestrians at this intersection.

Discussion

The intersection of Santa Maria Boulevard and McLaughlin Avenue is a four-legged intersection within an urban area. Santa Maria Boulevard is a collector roadway running north/south between Derry Road and the Milton Community Park/Tennis Club and is designated as a through highway with a posted speed limit of 50 km/h. McLaughlin Avenue is a local roadway running east/west between Asleton Boulevard and Santa Maria Boulevard, with a posted speed limit of 50 km/h.



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As a result of resident requests, the intersection of Santa Maria Boulevard and McLaughlin Avenue has been monitored over the past three years and the results are as follows:

Count Date	Part "A" Volume from all approaches	Part "B" Minor street volume split
May 9, 2017	60%	98%
September 18, 2018	78%	100%
June 26, 2019	100%	100%

The warrants consider the overall volume of traffic entering the intersection during the peak traffic times, as well as the volume of traffic and pedestrians generated from the side street. In order for an all-way stop to be warranted by volume, both Parts "A" and "B" must equal 100%. Since both Part "A" and Part "B" of the most recent count equals 100%, this location is warranted for the installation of an all-way stop.

A review of the collision history indicates that two reportable collisions have occurred within the last three years. Of these two collisions, one was a right angle collision and one was a turning movement collision. Right angle collisions are susceptible to correction by the installation of an all-way stop.

On the east side of this intersection there is an entrance leading into the Sports Centre and Skate Park; installing an all-way stop will provide safe movements for motorists and pedestrians when trying to gain access into the centre using this intersection.

As a result of the warrants being fulfilled at the intersection of Santa Maria Boulevard and McLaughlin Avenue, the Engineering Services department recommends the installation of all-way stop.

Financial Impact

The cost to install the appropriate signage and pavement markings is approximately \$800.00.

Respectfully submitted,

M. Paul Cripps, P. Eng. Commissioner, Engineering Services

For questions, please contact:	Josh Van Ravens	905-878-7252
	Junior Traffic Technician	x2531



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Attachments

Appendix I - Location Map Appendix II - Schedule 12 and 13 By-law Amendment

CAO Approval Andrew M. Siltala Acting Chief Administrative Officer



LEGEND Proposed All-Way Stop

Appendix I

Appendix II

Schedule 12 Through Highways - Stop To Be Deleted

By-law No.	Column 1	Column 2	Column 3
	Highway(s)	Location From	Location To
By-law No. 053-2009	Santa Maria Boulevard	South limit of Derry Road	South limit of road

Schedule 12 Through Highways – Stop To Be Added

Column 1	Column 2	Column 3	
Highway(s)	Location From	Location To	
Santa Maria Boulevard	South limit of Derry Road	North limit of McLaughlin Avenue	
Santa Maria Boulevard	South limit of McLaughlin Avenue	South limit of road	

Schedule 13 Intersection - Stop Signs To Be Added

Column 1	Column 2	Column 3
Highway(s)	Direction of Travel	Stop On
Santa Maria Boulevard and McLaughlin Avenue	Northbound	Santa Maria Boulevard
	Southbound	Santa Maria Boulevard
	Eastbound	McLaughlin Avenue
	Westbound	Milton Sports Centre Private Access