

All-Way Stop Control Review - Wishing Well Drive and Farmcrest Drive

Date: November 8, 2019
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 22 – Scarborough-Agincourt

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

This report recommends that Community Council not authorize the installation of all-way stop control at the intersection of Wishing Well Drive and Farmcrest Drive as the existing conditions do not meet the warrant for the installation of such a traffic control device. This T-type intersection currently has a stop control for the eastbound movement on Farmcrest Drive facing Wishing Well Drive.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council not authorize all-way compulsory stop control at the intersection of Wishing Well Drive and Farmcrest Drive.

FINANCIAL IMPACT

There would be no financial impact associated with the staff recommendation.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

In response to a request from the Ward Councillor and local residents, Transportation Services staff reviewed the feasibility of installing all-way stop control at the intersection of Wishing Well Drive and Farmcrest Drive.

Existing Conditions

The following key characteristics describe this location:

- This intersection is located within the community south of Sheppard Avenue, east of Pharmacy Avenue, west of Warden Avenue and north of Highway 401.
- Wishing Well Drive is classified as a local roadway. The posted speed limit on Wishing Well Drive is 40 km/h, with a 24 hour vehicle volume of 2,083 vehicle per day (vpd).
- Farmcrest Drive is also classified as a local road and has a regulatory speed limit of unposted 50 km/h.
- Sidewalks are located on both sides of Wishing Well Drive and Farmcrest Drive.
- The land use in this neighbourhood consists mainly of single family residential dwellings.
- All-way stop controls are located approximately 140 metres to the west at Pharmacy Avenue and Farmcrest Drive, and approximately 270 metres to the south at Wishing Well Drive and Vradenberg Drive.

Analysis

An All-Way Stop Control Warrant Study conducted on Tuesday, May 14, 2019 at the intersection of Wishing Well Drive and Farmcrest Drive during the two hours of the morning and afternoon peak hours of a typical week day, produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Hourly Average	218	53	81/19
Warrant Requirements For Study Period Average For Minor Arterial Roads	≥ 250	≥ 100	≥ 30/70 or ≤ 70/30

* "Unit Volume Split": Major Road Volume – Vehicles only.
Minor Road Volume – Vehicles plus pedestrians crossing the major road.

This study has been evaluated using the updated warrant calculations as adopted by City Council on July 16, 17 and 18, 2019 in the Vision Zero 2.0 Road Safety Plan (Item IE6.8). The results of our study indicated that the technical warrants for the installation of an all-way stop control are not met.

For all-way stop control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in Categories A and C, or Categories B and C.

As outlined in the above table, the traffic volumes do not meet the requirements to install all-way stop control at the subject intersection at this time.

Collision History

A review of the Toronto Police Service collision records available for a three-year period from January 1, 2016 to December 31, 2018 revealed that there has been one potentially preventable collision reported at this intersection.

Alternate Recommendations

If, despite the findings above, the Scarborough Community Council determines that all-way stop control should be authorized, it may approve the following as to form:

1. Scarborough Community Council authorize all-way compulsory stop control at the intersection of Wishing Well Drive and Farmcrest Drive.

The estimated cost of installing all-way stop control is approximately \$10,000.00 including the implementation of required civil work. The funding for these signs is available in the Transportation Services Division's 2019 Operating Budget.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Attachment 1: Location Plan (All-Way Stop Control Review - Wishing Well Drive and Farmcrest Drive)

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