

Dante Road and DeMarco Boulevard – All-Way Stop Signs and Speed Limits

Date:	January 4, 2007
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 12 - York South-Weston
Reference Number:	eycc070011-to; eycc070011-to-att1

SUMMARY

The purpose of this report is to recommend the installation of all-way stop at the intersection of Dante Road and DeMarco Boulevard and reduce the speed limits on both streets. The stop signs and speed reduction will enhance pedestrian safety given the unusual site conditions.

RECOMMENDATIONS

Transportation Services recommends that Council approve the following actions:

1. An all-way stop control be installed at the intersection of Dante Road and DeMarco Boulevard; and
2. The speed limit on Dante Road be reduced from 50 km/h to 40 km/h as the requirements of the 40 km/h Speed Limit Warrant are achieved; and
3. The speed limit on DeMarco Boulevard be reduced from 50 km/h to 40 km/h as the requirements of the 40 km/h Speed Limit Warrant are achieved.

Financial Impact

Type of Funding	Source of Funding	Amount
Available within current budget	Transportation Services Operating Budget	\$1,500.00

ISSUE BACKGROUND

Councillor Frank Di Giorgio, on behalf of area residents, requested Transportation Services staff to investigate the feasibility of implementing an all-way stop control at the intersection of Dante Road and DeMarco Boulevard.

COMMENTS

Dante Road is a local road operating two-way with a speed limit of 50 km/h and a road width of 8.9 metres. DeMarco Boulevard is a local street operating two-way with a speed limit of 50 km/h and a road width of 8.9 metres intersecting with Dante Road at an angle. Neither Dante Road nor DeMarco Boulevard have sidewalks on either side of the roadway.

A review of the Toronto Police Service collision records over a three-year period ending December 31, 2005, has shown that there have been no collisions here.

The justification for the installation of an all-way stop control is based on a technical warrant adopted by Toronto City Council based on collision history and Traffic Volume. Neither have been met here and as a result, this intersection does not meet the criteria for an all-way stop control.

However, there are a number of site conditions that impact operational safety. Specifically, Dante Road has a sharp bend at DeMarco Boulevard that restricts visibility. Both streets have no sidewalks. Pedestrians are forced to walk on a roadway where motorists are proceeding without yield or stop controls compounding pedestrian exposure. In addition, at times, vehicles park right through the intersection, adding to the visibility, congestion and safety concerns. Staff have observed that pedestrian and vehicle conflicts primarily occur during the evening at this intersection when residents, are returning home without the benefit of sidewalks.

Although the intersection of Dante Road and DeMarco Boulevard fails to meet the necessary technical criteria for all-way stop controls, Transportation staff is of the opinion that the safety can be enhanced with an all-way stop.

In addition, Transportation staff also reviewed both Dante Road and DeMarco Boulevard against the technical warrants for introducing a 40 km/h speed limit. The justification for the introduction of a 40 km/h speed limit is based on a technical warrant adopted by Council for use in the City of Toronto. Application of the required data to this warrant revealed that a 40 km/h speed limit is warranted on both streets. The warrant is met because the Pedestrian Environment criteria are satisfied. Specifically, the road width is less than 10.5 metres, and there is an absence of sidewalks on both sides of the roadway.

To improve the regulation of traffic and to enhance pedestrian safety, it is recommended that "Stop" signs be installed in order to create an all-way stop condition at the intersection. Also, since both Dante Road and DeMarco Boulevard meet the Council approved warrants for a 40 km/h speed limit, it is also recommended that the speed limit on these roads be reduced from 50 km/h to 40 km/h.

CONTACT

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SIGNATURE

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ATTACHMENTS

Attachment No 1: Map