

All-Way Stop Control - Dixfield Drive and Odessa Avenue

Date: February 22, 2021

To: Etobicoke York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 2 – Etobicoke-Centre

SUMMARY

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

Transportation Services is requesting approval to install all-way stop control at the intersection of Dixfield Drive and Odessa Avenue. Based on the assessment undertaken, the installation of all-way stop control is recommended and should enhance safety for all road users.

RECOMMENDATIONS

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

1. Etobicoke York Community Council authorize all-way compulsory stop control at the intersection of Dixfield Drive and Odessa Avenue.

FINANCIAL IMPACT

The estimated costs associated with the proposed amendment is \$800. Funding is anticipated to be available within the Transportation Services Current 2021 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of the Ward Councillor, on behalf of an area resident, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Dixfield Drive and Odessa Avenue.

Existing Conditions

Dixfield Drive is characterized by the following conditions:

- It is a two-lane, north-south and east-west local roadway
- It operates two-way traffic on a pavement width of 8.5 meters
- The daily two-way traffic volume is approximately 2,000 vehicles
- The posted speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks on both sides of the street

Odessa Avenue is characterized by the following conditions:

- It is a two-lane, north-south local roadway
- It operates two-way traffic on a pavement width approximately 8.5 meters
- The daily two-way traffic volume is 1,730 vehicles
- The posted speed limit is 50 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks on both sides of the street

Odessa Avenue and Dixfield Drive intersect to form a "T" intersection, with a stop control for southbound traffic on Odessa Drive. Wellesworth Junior Public School is located on the south side of Dixfield Drive and on the east side of Wellesworth Drive. Wellesworth Park is located on the west side of Dixfield Drive. A Community Safety Zone exists on Dixfield Drive, between Wellesworth Drive and Bergitta Crescent.

A map of the area is included in Attachment 1.

Study Results

In order for all-way stop control to be warranted at an intersection established criteria must be satisfied. 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.

Collision history provided by the Toronto Police Service for the three-year period ending December 31, 2019, disclosed no reported collisions at the intersection.

Transportation Services conducted an all-way stop control study on Wednesday, October 9, 2019, at the subject intersection. The results of the study were evaluated against the warrant criteria for all-way stop control as adopted by City Council. The

evaluation is summarized in Table 1.

Table 1: All-Way Stop Control Study at Dixfield Drive and Odessa Avenue

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (January 1, 2017 – December 31, 2019)	0	6	No
B1	Average Vehicle Volumes	210	250/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)*	105/hour	100/hour	Yes
B3	Percentage of Traffic on Major Street*	51%	≤70%	Yes

*New pedestrian warrants applied as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report.

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be achieved. Our study results determined that this intersection does meet the numerical requirements for the installation of all-way stop control.

Considering the above, the installation of all-way stop control is recommended at the intersection of Dixfield Drive and Odessa Avenue to appropriately assign the right of way.

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 - Dixfield Drive and Odessa Avenue

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