

All-Way Stop Control - Lynd Avenue and Neepawa Avenue

Date: February 2, 2021

To: Toronto and East York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 4, Parkdale-High Park

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 Lynd Avenue and Neepawa Avenue. Based on the assessment undertaken, the installation of all-way stop control is recommended and should enhance safety for all road users.

RECOMMENDATION

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

1. Toronto and East York Community Council authorize all-way compulsory stop control at the intersection of Lynd Avenue and Neepawa Avenue.

FINANCIAL IMPACT

The estimated costs associated with the proposed installation is \$400. Funding is anticipated to be available within the Transportation Services 2021 Interim Operating and Capital Budgets.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of a local resident through the Ward Councillor, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Lynd Avenue and Neepawa Avenue. The resident expressed sight-line concerns at this intersection

Existing Conditions

Lynd Avenue is characterized by the following conditions:

- It is a single-lane, east-west, east of Neepawa Avenue, local roadway
- It is a two-lane, north-south, south of Neepawa Avenue, local roadway
- It operates one-way eastbound, east of Neepawa Avenue, on a pavement width of approximately 7.3 metres, and two-way, south of Neepawa Avenue, on a pavement width of approximately 7.3 metres
- The daily one-way, east of Neepawa Avenue, traffic volume is approximately 400 vehicles and two-way, south of Neepawa Avenue, traffic volume is approximately 400 vehicles
- The posted regulatory speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks located on both sides of this street

Neepawa Avenue is characterized by the following conditions:

- It is a single-lane, east-west, local roadway
- It operates one-way traffic on a pavement width of approximately 7.3 metres
- The daily one-way traffic volume is approximately 370 vehicles
- The posted regulatory speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks located on both sides of this street

These two streets intersect to form a "T" type, three-leg intersection, with right-of-way controlled by a stop sign for eastbound traffic on Neepawa Avenue.

The land use of this area is residential.

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 June 30, 2019 disclosed that one reported collision occurred at this intersection and it did not involve pedestrians or cyclists. This collision cannot be considered potentially preventable by the installation of all-way stop control.

Transportation Services conducted an all-way stop control study on November 20, 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 Lynd Avenue and Neepawa Avenue

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (July 1, 2016 to June 30, 2019)	0	6	No
B1	Average Vehicle Volumes	60 vehicles/hour	250 vehicles/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)*	100 vehicles and pedestrians /hour	100	Yes
B3	Percentage of Traffic on Major Street*	17 %	≤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 all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 and B3 or B2 and B3 must be met. Based on the study results, the technical warrants for the installation of all-way stop control are satisfied. Therefore, it is recommended that all-way stop control be installed at the intersection of Lynd Avenue and Neepawa Avenue.

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

CONTACT

Shawn Dillon, Manager Traffic Operations (Area 1), Transportation Services, 416-397-5021, Shawn.Dillon@toronto.ca

SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - Lynd Avenue and Neepawa Avenue: Proposed All-Way Stop Control

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