

All-Way Stop Control - Princess Street and Scadding Avenue

Date: March 14, 2024

To: Toronto and East York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 10, Spadina-Fort York

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 Princess Street and Scadding 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 Director, Traffic Management, Transportation Services recommends that:

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

FINANCIAL IMPACT

The estimated costs associated with the proposed amendment is \$1,500.00. Funding is anticipated to be available within the Transportation Services 2024 Operating and Capital Budgets.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of a local resident, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Princess Street and Scadding Avenue.

Existing Conditions

Princess Street is characterized by the following conditions:

- It is a two-lane, north-south, local roadway
- It operates two-way traffic on a pavement width of approximately 8.8 metres
- The daily two-way traffic volume is approximately 1,400 vehicles
- The speed limit is 30 km/h
- Heavy trucks are permitted at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks located on both sides of the street

Scadding Avenue is characterized by the following conditions:

- It is a two-lane, east-west, local roadway
- It operates two-way traffic on a pavement width of approximately 7.2 metres
- The daily two-way traffic volume is approximately 340 vehicles
- The speed limit is 30 km/h
- Heavy trucks are permitted at all times
- There is no TTC service provided
- There are sidewalks located on both sides of the street

These two streets intersect to form a right-angled four-leg intersection, with right-of-way controlled by stop signs for eastbound and westbound traffic on Scadding Avenue.

David Crombie Park is located along the north side of Scadding Avenue.

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 January 31, 2024, disclosed that two reported collisions occurred at this intersection and neither of these collisions involved pedestrians. Neither collisions was considered potentially preventable by the installation of all-way stop control.

Transportation Services conducted an all-way stop control study on October 25, 2023, 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 Princess Street and Scadding Avenue

| No. | Warrant Type | Actual | Required | Satisfied (Yes/No) |
|-----|---|------------|----------|--------------------|
| A | Number of Potentially Preventable Collisions (January 2021 to January 2024) | 0 | 6 | No |
| B1 | Average Vehicle Volumes | 107/hour | 250/hour | No |
| B2 | Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average) | 1,019/hour | 100/hour | Yes |
| B3 | Percentage of Traffic on Major Street | 8% | ≤70% | Yes |

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. Based on the study results, the technical warrants for the installation of all-way stop control are satisfied. There are significant volumes of pedestrians crossing Princess Street east-west at this intersection. Therefore, it is recommended that all-way stop control be installed at the intersection of Princess Street and Scadding Avenue.

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.
Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Princess Street and Scadding Avenue

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