

## **All-Way Stop Control - Lankin Boulevard and Judith Drive**

**Date:** June 13, 2022

**To:** Toronto and East York Community Council

**From:** Director, Traffic Management, Transportation Services

**Wards:** Ward 14, Toronto-Danforth

### **SUMMARY**

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As the Toronto Transit Commission (TTC) operates a transit service on Lankin Boulevard, City Council approval of this report is required.

Transportation Services has reviewed the need for all-way stop control at the intersection of Lankin Boulevard and Judith Drive. Based on the assessment undertaken, Transportation Services does not recommend the installation of all-way stop control at this intersection as the warrant criteria was not met.

### **RECOMMENDATIONS**

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The Director, Traffic Management, Transportation Services recommends that:

1. City Council not authorize all-way compulsory stop control at the intersection of Lankin Boulevard and Judith Drive.

### **FINANCIAL IMPACT**

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There is no financial impact resulting from the adoption of the recommendation in this report.

If City Council amends the recommendation in this report and authorizes the installation of all-way stop control, the estimated costs associated with the proposed amendment, including signage, pavement markings and depressed curbs is estimated to be \$18,800.00. Funding would be subject to availability and competing priorities within the Transportation Services 2022 Operating and Capital Budgets.

## DECISION HISTORY

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This report addresses a new initiative.

## COMMENTS

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At the request of Councillor Paula Fletcher on behalf of local residents, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Lankin Boulevard and Judith Drive.

### Existing Conditions

Lankin Boulevard 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 9 metres
- The daily two-way traffic volume is approximately 900 vehicles
- The speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is TTC service provided by 8 Broadview bus
- There are sidewalks on both sides of the street

Judith Drive 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 9 metres
- The speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks on both sides of the street

These two streets intersect and form a T-type intersection, with right-of-way controlled by stop signs for eastbound traffic on Judith Drive.

The surrounding land use mainly consists of single-family residential homes.

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 May 2022, disclosed that no collisions occurred at this intersection.

Transportation Services conducted an all-way stop control study on May 11, 2022 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 Lankin Boulevard and Judith Drive

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (May 2019 to May 2022)	0	9	No
B1	Average Vehicle Volumes	56 /hour	250 /hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)	18 /hour	100 /hour	No
B3	Percentage of Traffic on Major Street	74%	≤70%	No

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 not satisfied. Therefore, it is not recommended that all-way stop control be installed at the intersection of Lankin Boulevard and Judith Drive.

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

## CONTACT

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## **SIGNATURE**

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

## **ATTACHMENTS**

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Attachment 1: Map - All-Way Stop Control - Lankin Boulevard and Judith Drive

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