

## **All-way Stop Control - Lawton Boulevard and Lonsdale Road**

Date: January 17, 2019  
To: Toronto and East York Community Council  
From: Acting Director, Traffic Management, Transportation Services  
Wards: Ward 12, Toronto - St. Paul's

### **SUMMARY**

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This staff report is about a matter that Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City Policy or by-laws.

Transportation Services staff have reviewed the need for all-way stop control at the intersection of Lawton Boulevard and Lonsdale Road, to address concerns regarding safety of pedestrians, cyclists and motorists using this intersection. Our assessment indicates the criteria as set out in the all-way stop warrant has been satisfied at this intersection. Therefore, the installation of all-way stop control at the intersection of Lawton Boulevard and Lonsdale Road is recommended.

### **RECOMMENDATIONS**

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

1. Toronto and East York Community Council authorize the installation of all-way stop control at the intersection of Lawton Boulevard and Lonsdale Road.

### **FINANCIAL IMPACT**

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All costs associated with the necessary signage installation are included within the Transportation Services 2019 Interim Operating Budget.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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Transportation Services was requested by the office of Councillor Josh Matlow to investigate the feasibility of installing all-way stop controls at the intersection of Lawton Boulevard and Lonsdale Road, in response to a request from a local resident.

### **Existing Conditions**

Lawton Boulevard is classified as a north/south local roadway with a pavement width of approximately 7.3 metres. It has a daily two-way traffic volume of approximately 2,300 vehicles, and a posted speed limit of 30 km/h. Heavy trucks are prohibited at all times. There is no TTC service provided on Lawton Boulevard.

Lonsdale Road is classified as an east/west local roadway with a pavement width of approximately 7.3 metres. It has a daily two-way traffic volume of approximately 1,100 vehicles, and a posted speed limit of 30 km/h. Heavy trucks are prohibited at all times. There is no TTC service provided on Lonsdale Road.

Lawton Boulevard and Lonsdale Road intersect to form a "T" type intersection. Northbound and southbound vehicular traffic on Lawton Boulevard approaching Lonsdale Road is free-flow movement with no stop control measures. Eastbound vehicular traffic on Lonsdale Road approaching Lawton Boulevard is stop sign controlled.

### **Analysis**

In order for all-way stop control to be justified at an intersection, established warrant criteria must be satisfied. The criteria, as adopted by City Council, include such factors as collision history, total vehicle volume, the percentage of traffic on the major road and combined vehicle and pedestrian volumes crossing the major road.

Transportation Services reviewed the intersection of Lawton Boulevard and Lonsdale Road and applied the results of the vehicle/pedestrian study, and Toronto Police Services collision records to the all-way stop control warrant criteria. Based on the review, this intersection does meet the minimum criteria required for all-way stop control.

A review of the Toronto Police Services collision records over a three-year period ending August 31, 2018, disclosed no reported collisions at the intersections of Lawton Boulevard and Lonsdale Road of the type deemed susceptible to correction via installation of all-way stop sign control.

The results of the all-way stop control warrant study at the intersection of Lonsdale Road at Lawton Boulevard has been summarized in the following table:

| <b>Warrant A</b>                        | <b>Warrant B</b>                                   |                                                              |                                                  | <b>All-way Stop Control Warrant Satisfied (Yes/No)</b> |
|-----------------------------------------|----------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| <b>Collision History</b>                | <b>1A) Total Approach Vehicle Volume</b>           | <b>1B) Combined Crossing Volume (Vehicle and Pedestrian)</b> | <b>2) Main Street / Side-Street Volume Split</b> |                                                        |
| Required:<br>≥ Avg. 2 Collisions / Year | Required:<br>≥ 250 Vehicles / Avg. of 4 Peak Hours | Required:<br>≥ 100 Units / Avg. of 4 Peak Hours              | Required:<br>≤ 70% / 30%                         | Yes                                                    |
| Actual:<br>Avg. 0 Collisions / year     | Actual:<br>Avg. 373 Vehicles / Hour                | Actual:<br>Avg. 140 Units / Hour                             | Actual:<br>63% / 37%                             |                                                        |

In order to satisfy the technical warrant for the installation of all-way stop control, Warrant A or Warrant B must be met. Warrant B can be met by satisfying either condition 1A or 1B in addition to condition 2. Based on the above review, the technical warrant for the installation of all-way stop control at the intersection of Lawton Boulevard and Lonsdale Road is satisfied. Therefore, the installation of all-way stop control at this intersection is recommended.

Councillor Josh Matlow has been advised of the recommendation of this staff report.

## CONTACT

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## SIGNATURE

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

## ATTACHMENTS

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1. Drawing No. 421G-3274, dated January 2019.

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