

## **All-Way Stop Control - Harley Avenue and Joicey Boulevard**

**Date:** April 26, 2019

**To:** North York Community Council

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

**Wards:** Ward 8 - Eglinton-Lawrence

### **SUMMARY**

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This staff report is about a matter for which 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 is requesting North York Community Council to authorize the installation of all-way stop control at the intersection of Harley Avenue and Joicey Boulevard.

The installation of an all-way stop control is justified and recommended to clearly establish right-of-way and enhance pedestrian and vehicular safety.

### **RECOMMENDATIONS**

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The Acting Director, Traffic Management, Transportation Services, recommends that North York Community Council:

1. Authorize all-way stop control at the intersection of Harley Avenue and Joicey Boulevard.

### **FINANCIAL IMPACT**

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All costs associated with the necessary sign installations are included within the Transportation Services 2019 Operating Budget.

## **DECISION HISTORY**

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At its meeting of April 24, 2019, North York Community Council adopted Item NY5.25 that directed Transportation Services to prepare a report for the North York Community Council meeting on May 22, 2019, on installing all-way stop control at the intersection of Joicey Boulevard and Harley Avenue.

## **COMMENTS**

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Transportation Services was requested by Councillor Mike Colle on behalf of local residents to review the need for all-way stop control at the intersection of Harley Avenue and Joicey Boulevard.

Harley Avenue and Joicey Boulevard are both 8.5 metres wide local roads with a 40 km/h speed limit. At their intersection, north-south traffic on Harley Avenue operates free flow and east-west traffic on Joicey Boulevard is stop controlled. There are no sidewalks on either street. There is no TTC service on either street.

A review of the Toronto Police Service collision records revealed that over a three-year period ending July 31, 2018, there have been four collisions reported at this intersection. None involved a pedestrian or cyclist. All four reported collisions were potentially preventable by all-way stop control.

The intersection of Harley Avenue and Joicey Boulevard was evaluated against the warrants for all-way stop control as adopted by City Council. 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.

The warrant criteria was applied against a vehicle, pedestrian study at this intersection conducted on April 25, 2019 during a.m. and p.m. peak periods and the above collision history. The numerical study results are summarized in Table 1.

**Table 1 All-Way Stop Control at Harley Avenue and Joicey Boulevard**

|    | Harley Avenue and Joicey Boulevard                        | Actual    | Required   | Satisfied (YES/NO) |
|----|-----------------------------------------------------------|-----------|------------|--------------------|
| A  | Collision History                                         | 4/3 yrs   | 6/3 yrs    | No                 |
| B1 | Total Vehicle Volumes                                     | 153/avg h | 250/avg hr | No                 |
| B2 | Combined Vehicle & Pedestrian Volumes Crossing Major Road | 65/avg h  | 100/avg hr | No                 |
| B3 | Percentage of traffic on major road                       | 57%       | ≤70%       | Yes                |
|    | Overall Warrant                                           |           |            | 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 above, the technical warrants for the installation of all-way stop control are not met at the intersection of Harley Avenue and Joicey Boulevard.

However, the April 25, 2019 study revealed that 14 percent of motorists are currently treating the intersection as though it were all-way stop controlled. This includes Harley Avenue traffic stopping unnecessarily and Joicey Boulevard traffic assuming that Harley Avenue traffic is required to stop. This is possibly due to most other intersections nearby being all-way stop controlled. This confusion increases the potential for collisions, as exhibited by the four collisions at the intersection in the last three years.

To eliminate confusion at the intersection and clearly designate the right-of-way, it is recommended that all-way stop control be implemented at the intersection of Harley Avenue and Joicey Boulevard. An all-way stop control will reduce potential conflicts between pedestrians and motorists and will enhance the crossing environment for pedestrians at this intersection.

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  
Acting Director, Traffic Management, Transportation Services

## ATTACHMENTS

### Attachment 1: Map - All-Way Stop Sign Control - Harley Avenue and Joicey Boulevard

