

Compulsory Stop Control - Broadway Avenue and Rowley Avenue

Date: June 10, 2022

To: North York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 15 - Don Valley West

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

Transportation Services recommends stop control for the minor street at the uncontrolled intersection of Broadway Avenue and Rowley Avenue in order to clearly define the right-of-way and to regulate traffic flow.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. North York Community Council authorize compulsory stop control for northbound and southbound traffic on Rowley Avenue at Broadway Avenue.

FINANCIAL IMPACT

The estimated costs associated with the proposed amendment is \$600.00. Funding is available within the Transportation Services 2022 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of the Ward Councillor, on behalf of local residents, Transportation Services investigated the feasibility of installing compulsory stop control on Rowley Avenue at Broadway Avenue.

Existing Conditions

The intersection of Rowley Avenue and Broadway Avenue is characterized by the following conditions:

- Broadway Avenue is an 8.5 metre wide east/west collector roadway
- The average two-way daily traffic volume on Broadway Avenue is 8,000 vehicles
- Rowley Avenue is a north/south local road that is 7 metres wide, north of the intersection and 10 metres wide south of the intersection
- The average two-way daily traffic volume on Rowley Avenue is less than 1,000 vehicles per day
- Both streets have a 30 km/h speed limit
- There are no traffic control devices assigning the right-of-way
- There is a 4.5 metre diameter circular island in the intersection with directional signs to guide traffic through the intersection
- There is no TTC service provided
- There are sidewalks on the south side of Broadway Avenue and none on Rowley Avenue

The surrounding land use consists of single family residential homes.

As there is no stop control at the subject intersection, right-of-way is determined as defined in the Ontario Highway Traffic Act, which stipulates that priority is "given to vehicles already within the intersection or, in the event two or more vehicles are approaching the intersection at approximately the same time, the Act requires the driver on the left to yield to the vehicle on the right."

As per Provincial guidelines, stop sign control may be warranted when three or more right angle or turning collisions per year have occurred over a period of three years and other methods of reducing the collision experience have been considered and found to be inadequate. A review of the Toronto Police Service collision data for a three-year period ending March 1, 2022 disclosed that one collision has been reported at this intersection. Accordingly, stop sign control is not warranted.

Notwithstanding, the Provincial guidelines state that "the use of stop signs should be considered at intersections where the application of the normal right hand rule or yield control would be unduly hazardous". Given the significant disparity in traffic volumes on Broadway Avenue versus Rowley Avenue, the installation of northbound and southbound stop signs on Rowley Avenue is recommended.

The installation of stop signs will clearly define the right-of-way and enhance safety for all road users.

A map of the area is included in Attachment 1.

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 - Broadway Avenue and Rowley Avenue

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