



Town of Newmarket
395 Mulock Drive P.O. Box 328,
Newmarket, Ontario, L3Y 4X7

Email: info@newmarket.ca | Website: newmarket.ca | Phone: 905-895-5193

London Road and Harewood Boulevard All-way Stop Control Request Staff Report to Council

Report Number: 2020-12

Department(s): Engineering Services

Author(s): M. Kryzanowski, Manager, Transportation Services

Meeting Date: February 24, 2020

Recommendations

1. That the report entitled London Road and Harewood Boulevard All-Way Stop Control Request dated February 24, 2020 be received; and,
2. That the existing stop controls remain; and,
3. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

Purpose

The purpose of this report is to summarize the findings and recommendations of the All-Way Stop review for the London Road and Harewood Boulevard All-way Stop Control request.

Background

At its regular meeting of September 9, 2019, Town Council adopted the recommendations of the preceding Committee of the Whole, at which a deputation request in regards to installing an All-Way Stop at London Road and Harewood Boulevard was referred to staff.

Discussion

To start the All-Way Stop review, a 5-hour traffic count was undertaken at the intersection. The traffic count was performed in conformance with the Town's Transportation Management Policy, which requires that vehicle turning movements and pedestrian activity be collected between 7:00 AM and 9:00 AM and between 3:00 PM and 6:00 PM.

The subject intersection was then analysed to determine if the All-Way Stop warrants were being met. The All-Way Stop warrant consists of three (3) parts. The first part addresses the future signalization of intersections. This part does not apply, since traffic signals are not planned for the intersection.

The second part of the All-Way Stop warrant examines the frequency of recorded vehicle collisions in, or adjacent to, the intersection for the twelve (12) month period prior to the review. A search of our records indicated that no vehicle collisions occurred within the intersection during that period.

The third part of the warrant deals with both traffic and pedestrian volumes on the major and minor streets of the intersection. Accordingly, staff calculated the total number of vehicles and pedestrians approaching the intersection on an hourly basis, and the average volume on the minor street (Harewood Boulevard, in this case).

The results of the All-Way Stop warrant analysis confirmed that the all-approach volume reached only 80% of the required minimum warrant volume of 500, and the minor street volume was only 93% of the required minimum warrant volume of 200. Therefore, the intersection does not meet the warrants for an All-Way Stop control.

The disproportionately higher minor street percentage is likely due to local drivers using Harewood Boulevard/Bexhill Road to access Main Street North. A comparison of the 2019 peak traffic hours and the 2015 peak traffic hours for the intersection shows a decrease in traffic volume of approximately eight percent with time. Therefore, traffic flow through the intersection has decreased slightly over the years.

The immediate area residents were contacted for input as per the Public Consultation and Support Policy. Only three (3) of the residents replied, two of whom did not want an All-Way Stop.

Conclusion

It is recommended that an All-Way Stop control at London Road and Harewood Boulevard not be implemented at this time.

Business Plan and Strategic Plan Linkages

Well-planned and connected...strategically planning for the future to improve information access and enhance travel to, from, and within Newmarket.

Consultation

As per the Council-approved Public Consultation and Support Policy, the immediate area residents around the intersection were contacted via letter dated October 28, 2019, soliciting comments and input for the review. Three (3) residents responded with various comments, where two of the residents were against and one was in favour of an All-Way Stop at this location.

Human Resource Considerations

None

Budget Impact

None

Attachments

None

Approval

Rachel Prudhomme, Director, Engineering Services

Peter Noehammer, Commissioner, Development & Infrastructure Services

Contact

For more information or questions regarding this report, please contact Mark Kryzanowski, Manager, Transportation Services, at 905-895-5193 extension 2508 or MKryzanowski@newmarket.ca.