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Council-In-Committee Meeting – April 12, 2022

Subject: All Way Stop – St Ann Street and Bell Street - Delhi
Report Number: EIS-22-009
Division: Environmental and Infrastructure Services
Department: Engineering
Purpose: For Decision

Recommendation(s):

THAT Report EIS 22-009 All way Stop – St Ann Street and Bell Street - Delhi, be received as information;

AND THAT staff be directed to install an All Way Stop condition and provide required pavement markings at the intersection of St Ann Street and Bell Street in Delhi;

AND FURTHER THAT Council passes a bylaw to establish an All Way Stop condition at St Ann Street and Bell Street in Delhi.

Executive Summary:

In 2018 Bell Street in Delhi was reconstructed from Herbert Street to James Street; St Ann Street was reconstructed from Bell Street to Church Street East. As part of the Engineering review and design a traffic consultant was tasked to review existing traffic and pedestrian conditions and make recommendations.

The traffic consultant completed an initial review in April of 2018 and a second review in October of 2018 after the reconstruction was completed and submitted their final report and recommendations in March of 2019. Staff have reviewed the report as well as conducted field investigations in January of 2022 to make the recommendations in this report.

Discussion:

In January of 2022, staff received correspondence from a resident on St Ann Street with concerns about the intersection of Bell Street and St Ann Street. The main concern was inadequate sightlines for vehicles travelling north on St Ann, stopped at Bell Street. Engineering staff did a field visit and measurements and confirmed that the sight distance at the stop condition looking east is only 30 meters. There is a large hedge row on the south side of Bell Street which restricts the sightline.

The minimum sight distance of a motorist in a stopped condition on a minor street to a motorist travelling on a major street is 95 meters when the major street limit is 50 km/h; or 115 meters when the major street speed limit is 60 km/h or higher.

Removal of the obstruction would require agreement for the property owner and would not adequately address all the safety concerns at this intersection.

Bell Street runs east to west and there is a pronounced jog at St Ann Street which creates an offset intersection configuration. For westbound traffic there is confusion as to whether they are required to stop at St Ann Street. Pedestrians in the area can also be confused as to the motorist's intent travelling along Bell Street as they do not always signal their intent.

To mitigate the sightline issue as well as provide increased vehicular and pedestrian safety at this intersection, staff is recommending that an All Way Stop condition be installed and that pavement markings such as stop bars and crosswalks be added.

Financial Services Comments:

The costs associated with the installation of all required signage, pavement markings, and annual maintenance will be minimal and can be accommodated within the 2022 Approved Levy Supporting Operating Budget.

Interdepartmental Implications:

Roads Division will have to add this location to their inventory for sign and line marking maintenance.

Consultation(s):

NA

Strategic Plan Linkage:

This report aligns with the 2019-2022 Council Strategic Priority "Focus on Service".

Explanation: The creation of an All Way Stop condition enhance motorist and pedestrian safety.

Conclusion:

Staff recommend that an All-Way Stop condition be installed at the intersection of St Ann Street and Bell Street in Delhi to provide safer traffic operations and pedestrian crossings.

Attachment(s):

- Location map.
- Amending By-Law

Approval:

Approved By:
Al Meneses
CAO

Reviewed By:
Scott Zerbes, C. Tech
Project Manager

Prepared By:
Mike King, CET
Director Engineering