



The Corporation of the Township of King Report to Council

From: Public Works Department - Capital Division
Report Number: PW-CAP-2024-008
Date: Monday, September 9, 2024
Title: **Implementation of All-Way Stop Control – Intersection of 19th Sideroad and 11th Concession**

Recommendation

1. That Council receive Report PW-CAP-2024-008; and
2. That Council enact By-law 2024-067 to implement all-way stop control within King as follows:
 - a. Four-legged intersection of 19th Sideroad and 11th Concession

1. Report Highlights

- To amend Traffic By-law 2017-103 (Schedule H) to add all-way stop signs at the intersection of 19th Sideroad and 11th Concession.

2. Purpose

The purpose of this report is to update Council on the implementation of all-way stop signs at the intersection of 19th Sideroad and 11th Concession.

3. Background

An operational review of the 19th Sideroad and 11th Concession intersection was completed to identify increased safety and other improvement opportunities. Existing conditions are as follows:

- The 19th Sideroad is a two-lane, east-west roadway with stop control on either side of the intersection;
- The 11th Concession is a two-lane, north-south roadway;
- Posted speed limits are 60 km/h on both the 11th Concession and 19th Sideroad respectively;
- The surrounding land use is considered rural/farming;
- Both roadways are frequently used by farming equipment.

4. Analysis

19th Sideroad and 11th Concession

The Ontario Traffic Manual (OTM) recommends that stop signs be used for access control into intersections and to regulate and control conflicts. When reviewing the overall operation of the intersection, Township staff identified the following:

- Sightlines are constrained for all movements;
- Criteria for all-way stop control:

Criteria	Met	Not Met	Notes
Total vehicle volume during the peak hour exceeds 350			Unknown.
Volume split does not exceed 65/35		78/22	Based on the last RNS, AADT on the 19 th is 425 and 1526 on the 11 th .
Collisions (4 per year over a 3-year period)			unknown
If horizontal and vertical alignment is a factor	Yes		The southbound approach presents limited sight distance to slow-moving vehicles going E/W

- Due to the vertical alignment of the southbound approach on the 11th Concession, there is a limited view before they are able to see a vehicle stopped on the 19th Sideroad. As a result, there are limited sight distances for all vehicles, particularly slow-moving farm vehicles/equipment.

In consideration of these identifications, and due to the vertical alignment of the southbound approach, staff recommend converting the intersection to an all-way stop-controlled intersection.

5. Financial Considerations

The cost and installation of new stop signs are funded from the Public Works Operating Budget.

6. Alignment to Strategic Plan

The 2023-2026 Corporate Strategic Plan (CSP) was adopted by Council on June 12, 2023. The CSP reflects the priorities of upmost importance to the community and defines the obligations and commitments of the Township of King to its citizens and to the public. The CSP is aligned with the Townships long-term vision defined in the “Our King” Official Plan. The CSP also aims to ensure that staff initiatives focus on and work towards supporting King’s Vision, Mission and Values.

This report is in alignment with the CSP’s Priority Area(s), and/or associated Objective(s) and/or Key Results(s):

Priority Area: Sustainable Asset Management

Objective: Improve our linear (transportation and environmental) and non-linear (facilities and parks) assets for continued community use and enjoyment.

This report is aligned with the objective of improving King’s linear assets, ensuring safe and effective movement of traffic.

7. Conclusion

This report requests Council to enact By-law 2024-067 to implement all-way stop control at the intersection of 19th Sideroad and 11th Concession to improve safety and traffic management.

8. Attachments

Not applicable.

Prepared by:
Shaquille Cousins
Project Manager

Recommended by:
Samantha Fraser
Director of Public Works

Approved for submission by:
Daniel Kostopoulos
Chief Administrative Officer