

**To:** COUNCIL

**Meeting Date:** 2/27/2024

**Subject:** Blair Road at Bismark Drive All-way Stop Control

**Submitted By:** Leah Walter, Director of Engineering

**Prepared By:** Dennis Lopes, Senior Civil Engineering Technologist

**Report No.:** 24-009-CD

**File No.:** N/A

**Wards Affected:** Ward 5

### **RECOMMENDATION(S):**

THAT Report 24-009-CD Blair Road at Bismark Drive All-way Stop Control be received;  
AND THAT; Blair Road at Bismark Drive be converted to all-way stop control;  
AND FURTHER THAT the By-law to amend By-law 22-044, included as Appendix A to Report 24-009-CD, be passed.

### **EXECUTIVE SUMMARY:**

#### **Purpose**

The purpose of this report is to address traffic concerns raised by area residents and recommend improvements based on an assessment of the intersection.

#### **Key Findings**

- An intersection assessment of Blair Road and Bismark Drive was completed.
- Results of the assessment indicate that an all-way stop is recommended at this intersection.

#### **Financial Implications**

The recommended revisions to traffic signs and pavement markings will be funded from the 2024 Transportation Operating Budget at an approximate cost of \$1,200.

### **STRATEGIC ALIGNMENT:**

☐ Strategic Action

**Objective(s):** Choose an Objective

**Strategic Action:** Choose a Strategic Action

**OR**

☒ Core Service

**Program: Transportation Management**

**Core Service:** Traffic Operations

The recommendations of this report are intended to address resident traffic concerns while creating a safe and efficient transportation network for all users.

### **BACKGROUND:**

The City received concerns from area residents regarding the intersection of Blair Road and Bismark Drive (See Figure 1.0– Area Diagram). The concerns relate to increased traffic volume and pedestrians crossing the road.



Figure 1.0 – Area Diagram

## **ANALYSIS:**

A turning movement count was conducted at the intersection of Blair Road at Bismark Drive. Turning movement counts are used to determine traffic volumes and movements through an intersection. The study is conducted over an eight-hour period on a typical weekday during the school year. The eight-hour period consisted of three hours in the morning peak period, two hours mid-day, and three hours in the afternoon peak period.

The turning movement count is used to determine if an all-way stop is warranted based on the Ontario Traffic Manual guidelines and All-way Stop warrant criteria. The results of the assessment for Blair Road at Bismark Drive indicate that an all-way stop is recommended at this intersection based on volume split, existing traffic volumes during peak times and forecast traffic volumes.

## **EXISTING POLICY / BY-LAW(S):**

One of the primary guiding documents used by transportation practitioners is the Ontario Traffic Manual. The purpose of the manual is to provide information and guidance for transportation practitioners and to promote uniformity of treatment in the design, application and operation of traffic control devices and systems across Ontario. The Ontario Traffic Manual All-way Stop warrant criteria was used in the development of this Report recommendation.

## **FINANCIAL IMPACT:**

The estimated cost to implement the proposed all-way stop control will require additional signs and pavement markings at a cost of \$1,200 that would be funded from the 2024 Transportation Operating Budget.

## **PUBLIC VALUE:**

### **Transparency:**

Actively listening and responding to resident concerns demonstrates how feedback is considered to improve the transportation network by sharing assessment results and recommendations with concerned residents.

## **ADVISORY COMMITTEE INPUT:**

Not Applicable.

## **PUBLIC INPUT:**

Property owners in the immediate area of the intersection were notified regarding the recommendations of this report via mailed letter on January 29, 2024. The letter also included all the relevant information as to how to access a copy of this report, the date and time of this meeting and how to submit comments or register as a delegation.

This report has also been posted publicly as part of the council report process.

#### **INTERNAL / EXTERNAL CONSULTATION:**

There was no internal/external consultation undertaken.

#### **CONCLUSION:**

Based on the results of the traffic assessment outlined in this report, it is recommended that all-way stop control be implemented at the intersection of Blair Road at Bismark Drive.

#### **REPORT IMPACTS:**

Agreement: **No**

By-law: **Yes**

Budget Amendment: **No**

Policy: **No**

#### **APPROVALS:**

**This report has gone through the appropriate workflow and has been reviewed and or approved by the following as required:**

**Director**

**Deputy City Manager**

**Chief Financial Officer**

**City Solicitor**

**City Manager**

#### **ATTACHMENTS:**

1. 24-009-CD Appendix A – Draft By-law Amendment