

Traffic Control – Edna Street at St. Albert Street, Chelmsford

Presented To:	Operations Committee
Meeting Date:	March 27, 2023
Type:	Routine Management Reports
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Recommended by:	General Manager of Growth and Infrastructure

Report Summary

This report provides a recommendation regarding traffic control at the intersection of Edna Street at St. Albert Street in Chelmsford.

Resolution

THAT the City of Greater Sudbury controls the intersection of Edna Street at St. Albert Street with a stop sign facing westbound traffic on Edna Street, as outlined in the report entitled “Traffic Control - Edna Street at St. Albert Street, Chelmsford”, from the General Manager of Growth and Infrastructure, presented at the Operations Committee meeting on March 27, 2023;

AND THAT the City of Greater Sudbury directs staff to prepare a by-law to amend Traffic and Parking By-Law 2010-1 to implement the recommended changes.

Relationship to the Strategic Plan, Health Impact Assessment and Community Energy & Emissions Plan (CEEP)

This report refers to operational matters.

Financial Implications

Recommendations of this report will be carried out within the existing approved budget and staffing resources.

Background

Transportation and Innovation Support staff received a request to review the traffic control at the intersection of Edna Street at St Albert Street in Chelmsford. As part of the ongoing development of the South Grand Marquis subdivision, the city has assumed extensions of Edna Street and St. Albert Street (see figure 1).

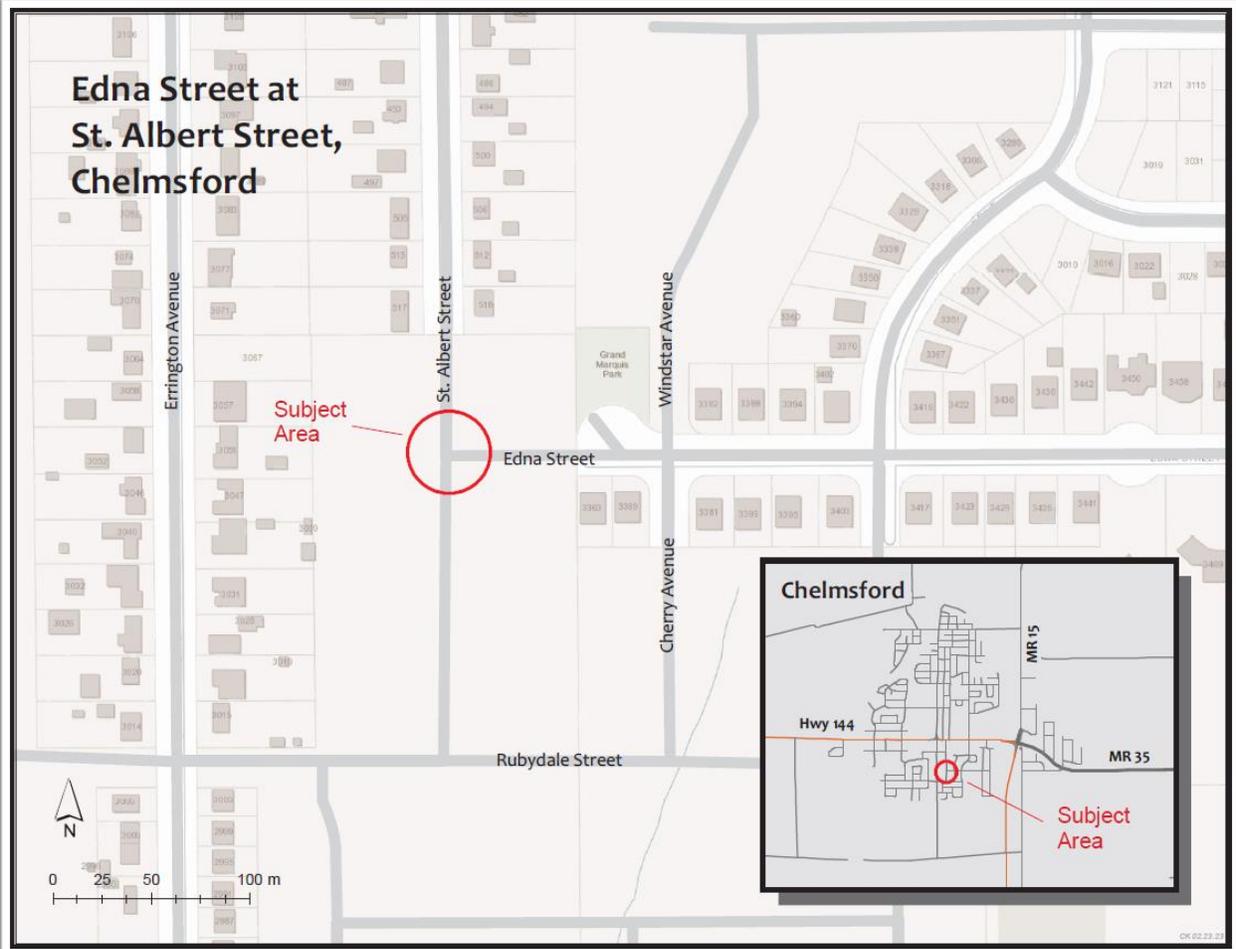


Figure 1: Intersection of Edna Street and St. Albert Street

As a result, an uncontrolled “T” intersection has been created as shown in Figures 2 and 3 below.



Figure 2: Intersection of St. Albert Street at Edna Street (On St. Albert St. looking eastbound, down Edna St.)



Figure 3: Intersection of Edna Street at St. Albert Street (On Edna St. looking westbound at the intersection)

Uncontrolled intersections have no stop or yield signs and operate under the “Right of Way Rule.” Under this rule, when vehicles approach the intersection at the same time the driver on the left yields right of way to the vehicle on the right. Uncontrolled intersections are becoming less common in urban areas as unnecessary conflicts may be created.

The standard form of traffic control at a “T” intersection would have a stop sign or yield sign installed facing Edna Street. A yield sign is appropriate when the traffic volume is low, sight lines are good and stopping is not always required. At this intersection there is a high volume of traffic and good sight lines.

In order to implement a standard form of traffic control at the newly created intersection, it is recommended that traffic be controlled with a stop sign facing westbound traffic on Edna Street at St. Albert Street.