

Traffic Control – Estelle Street at Eclipse Crescent

Presented To:	Operations Committee
Meeting Date:	May 15, 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 Estelle Street at Eclipse Crescent in Sudbury.

Resolution

THAT the City of Greater Sudbury controls the intersection of Estelle Street at Eclipse Crescent with a stop sign facing westbound traffic on Eclipse Crescent as outlined in the report entitled “Traffic Control – Estelle Street at Eclipse Crescent”, from the General Manager of Growth and Infrastructure, presented at the Operations Committee meeting on May 15, 2023;

AND THAT the City of Greater Sudbury directs staff to prepare a by-law to amend Traffic and Parking Bylaw 2010-1 in the City of Greater Sudbury 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 may be carried out within the existing approved operating budget and staffing resources.

Background

Transportation and Innovation Support staff received a request to review the traffic control at the intersection of Estelle Street and Eclipse Crescent in Sudbury. As part of the Moonlight Ridge Subdivision development, Eclipse Crescent has extended west to intersect with Estelle Street as shown in Figure 1 below.

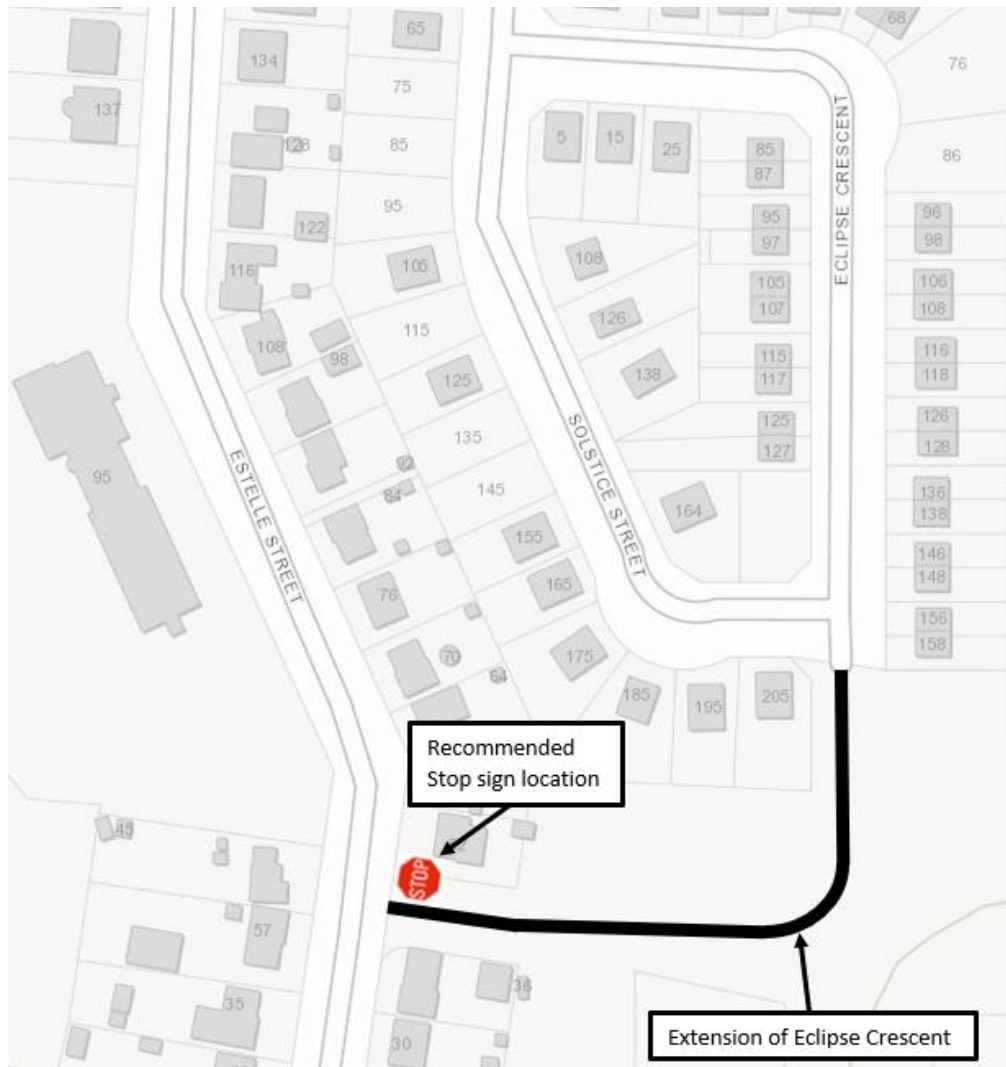


Figure 1: Intersection of Estelle Street and Eclipse Crescent

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



Figure 2: Intersection of Estelle Street and Eclipse Crescent



Figure 3: Eclipse Crescent looking west towards Estelle Street

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 or yield sign installed facing Eclipse Crescent. Traffic volumes are higher on Estelle Street as it forms a connection between Bancroft Drive and Rheal Street. Therefore, it is recommended that traffic at this intersection be controlled with a stop sign facing westbound traffic on Eclipse Crescent.