

Traffic Control – Solstice Street at Eclipse Crescent

Presented To:	Operations Committee
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Type:	Routine Management Reports
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Recommended by:	General Manager of Community Infrastructure

Report Summary

This report provides a recommendation regarding traffic control at both intersections of Solstice Street at Eclipse Crescent in Sudbury.

Resolution

THAT the City of Greater Sudbury controls the intersection of Solstice Street at Eclipse Crescent with a yield sign facing eastbound traffic on Solstice Street;

AND THAT the City of Greater Sudbury controls the intersection of Eclipse Crescent at Solstice Street with a yield sign facing westbound traffic on Eclipse Crescent;

AND THAT the City of Greater Sudbury directs staff to prepare a by-law to amend Traffic and Parking By-Law 2010-1 in the City of Greater Sudbury to implement the recommended changes as outlined in the report entitled “Traffic Control – Solstice Street at Eclipse Crescent,” from the General Manager of Community Infrastructure, presented at the Operations Committee meeting on August 11, 2025.

Relationship to the Strategic Plan, Health Impact Assessment and Climate Action Plans

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

As part of the ongoing development of the Moonlight Ridge Subdivision, the city has assumed Solstice Street and Eclipse Crescent as public roads shown in Figure 1 below. The assumption of these roads has created two new uncontrolled “T” intersections which require traffic control, as shown in Figure 2 & 3 below.

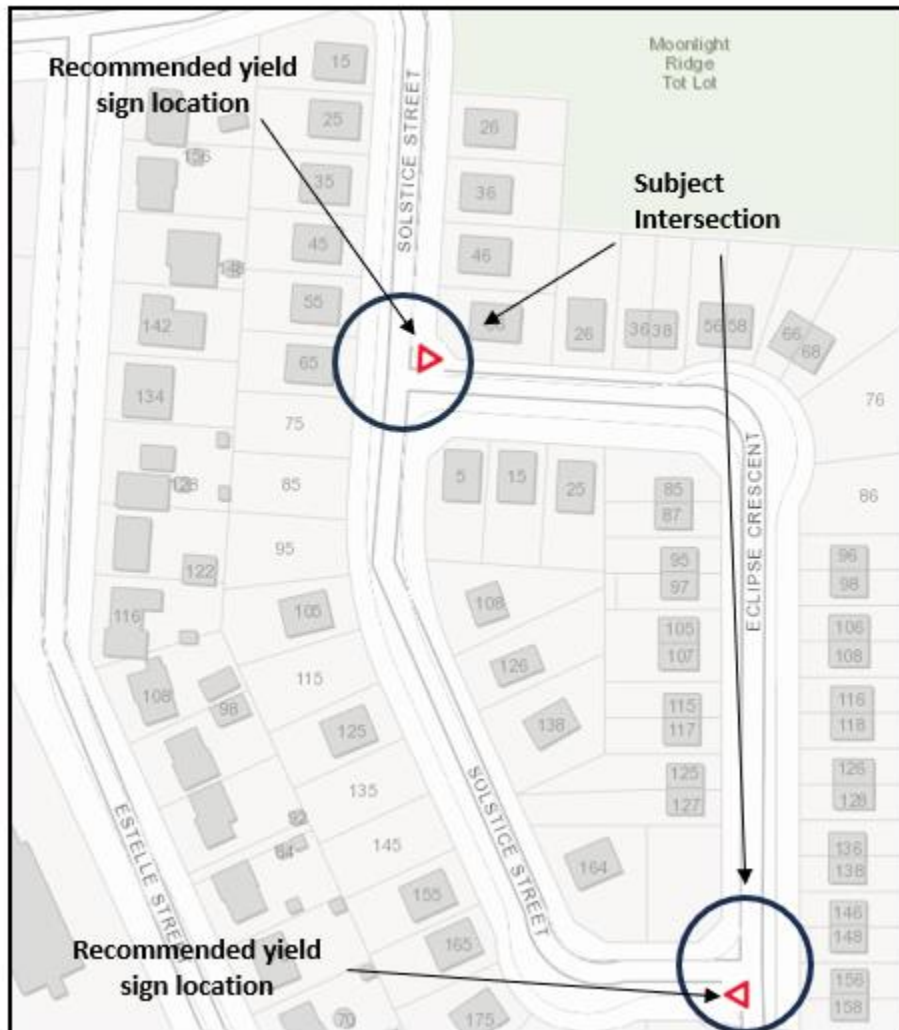


Figure 1: Intersection of Solstice Street and Eclipse Crescent



Figure 2: Solstice Street looking south with Eclipse Crescent to the east



Figure 3: Eclipse Crescent looking North with Solstice Street on the west

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 is to have a yield sign facing incoming traffic on the intersecting road.

According to Book 5 of the Ontario Traffic Manual, a yield sign is appropriate when:

- Traffic volumes are low,
- Sight lines are good and
- Stopping is not always required.

All these conditions are met at both intersections.

Next Steps

To implement a standard form of traffic control at the newly created intersections, it is recommended that traffic be controlled with yield signs facing westbound traffic on Eclipse Crescent at Solstice Street, and eastbound traffic on Solstice Street at Eclipse Crescent.

Resources Cited

Ontario Traffic Manual Book 5, Ministry of Transportation, 2021. Accessed Online:

<https://www.library.mto.gov.on.ca/SydneyPLUS/Sydney/Portal/default.aspx?component=AAAAIY&record=d5777174-8f0a-4720-8dd6-476b859b3682>