

## Removal of All-Way Stop – Dell Street at Morin Avenue

Presented To:	Operations Committee
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Type:	Managers' Reports
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Recommended by:	General Manager of Community Infrastructure

### Report Summary

This report provides a recommendation regarding the removal of the existing all-way stop control at the intersection of Dell Street and Morin Avenue.

### Resolution

THAT the City of Greater Sudbury removes the all-way stop at Dell Street and Morin Avenue and that Morin Avenue be controlled by stop signs facing northbound and southbound traffic, as outlined in the report entitled “Removal of All-Way Stop - Dell Street at Morin Avenue”, from the General Manager of Community Infrastructure, presented at the Operations Committee meeting on October 15, 2025;

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 Climate Action Plans

This report refers to operational matters.

### Financial Implications

The recommendations in this report will be implemented within the parameters of the currently approved operating budget.

### Background

The intersection of Dell Street and Morin Avenue is located in the Flour Mill neighbourhood of Greater Sudbury. Dell Street is a two-lane collector road with a posted speed limit of 40 km/h, serving as a key connector between Cambrian Heights and Notre Dame Avenue. It also functions as a public transit and cycling route, supporting multimodal transportation.

Morin Avenue functions as a collector road on the northeast side, with a posted speed limit of 50 km/h, and transitions to a local road on the southwest side, where the speed limit is 40 km/h. It intersects Dell Street

near a Canadian National Railway (CN) crossing.

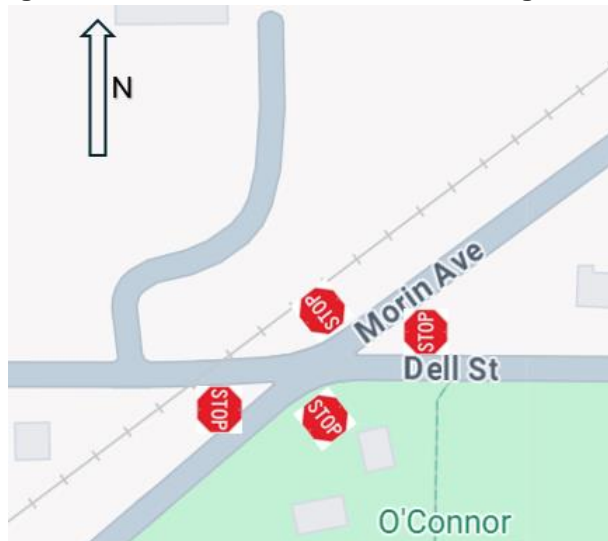
The City's Traffic and Transportation section received a formal request from CN to remove the existing all-way stop control at the intersection of Dell Street and Morin Avenue. This request is part of CN's signal upgrade project at the Dell Street railway crossing, located immediately west of the Morin Avenue and Dell Street intersection.

CN has identified operational concerns with the current stop sign controlling eastbound traffic on Dell Street at Morin Avenue. Specifically, the proximity of the stop sign to the railway tracks results in vehicle queuing that can extend onto the crossing surface. This poses a safety risk, particularly for vehicles proceeding straight or turning right, as they may block the railway crossing due to insufficient clearance between the stop line and the tracks.

In accordance with **Article 100(1)** of the Grade Crossing Regulations, road authorities are required to take measures to prevent vehicles from stopping on the crossing surface if there is evidence of regular queuing. Additionally, **Article 10.1.2** of the Grade Crossing Standards mandates that the design vehicle, as specified by Transport Canada, must be able to stop outside the clearance point of the crossing. Figure 1 illustrates the current traffic control configuration at the intersection of Dell Street and Morin Avenue.

In order to maintain intersection safety and ensure a consistent and uniform traffic control system, it is recommended that Morin Avenue traffic be controlled with stop signs facing both the north and south approaches. This configuration will continue to regulate cross traffic while allowing eastbound Dell Street traffic to flow freely, thereby addressing CN's concerns regarding queuing near the railway crossing.

**Figure 1 - The current traffic control configuration at Dell Street and Morin Avenue intersection**





## Transition Process for Removal of All-Way Stop Control

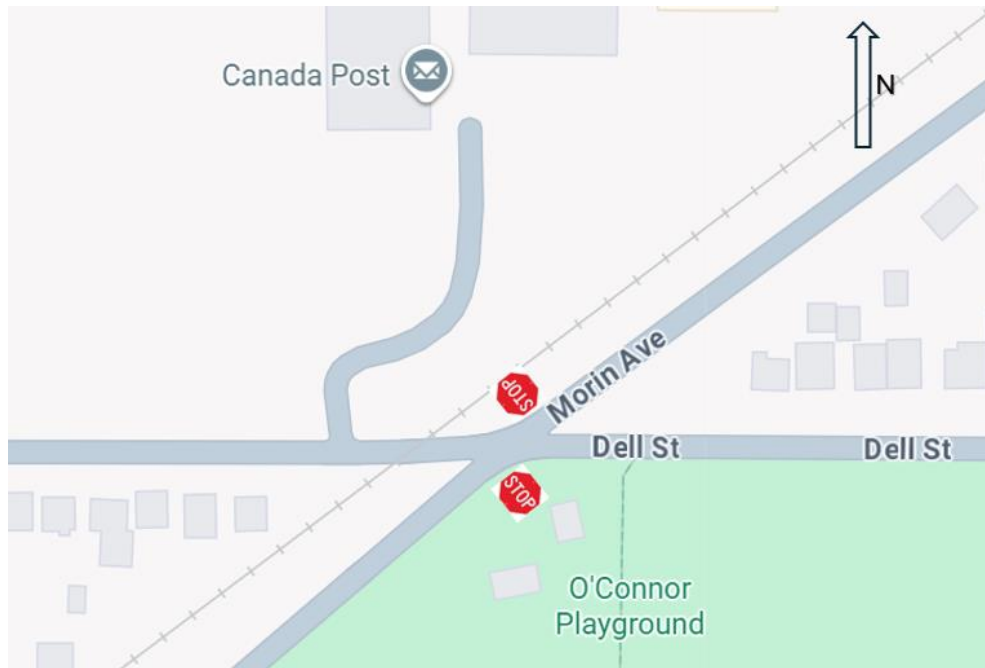
The removal of an existing all-way stop and the creation of a through roadway involves a multi-step process that can be confusing for drivers if not implemented carefully. To minimize the risk of collisions and ensure a safe transition, the Ontario Traffic Manual (OTM) Book 5 outlines a recommended procedure designed to change driver expectations and behavior by clearly signaling a change in intersection operation.

The intent of this procedure is to alert road users to the operational change and guide them safely through the transition period. The following summarizes the key steps required:

- 1) Install 900 mm x 900 mm CROSS TRAFFIC DOES NOT STOP signs on the approaches where the STOP control is to remain, at least 15 days before the removal of control  
Install NEW signs over the CROSS TRAFFIC DOES NOT STOP signs and AFTER (month and day) tab signs below, stating the date when the control on the crossing roadway will be removed
- 2) On the appointed date, remove the STOP AHEAD signs, if any, on the crossing roadway. Remove the STOP signs, stop lines, and any crosswalk lines on these approaches  
Remove all of the ALL-WAY tabs at the intersection. Remove the AFTER (month and day) tabs from the warning signs
- 3) After an additional period of at least 15 days, the NEW signs and the CROSS TRAFFIC DOES NOT STOP signs should be removed

In addition to implementing the recommended signage transition procedure, staff will issue a Public Service Announcement (PSA) to inform residents of the upcoming change in traffic control at the intersection of Dell Street and Morin Avenue. This communication will help raise public awareness and support a smooth transition. Figure 2 illustrates the proposed traffic control configuration at the intersection of Dell Street and Morin Avenue.

**Figure 2 - Proposed traffic control configuration at the Dell Street and Morin Avenue intersection**



## Recommendation

City staff recommends that Council pass a by-law to amend the Traffic and Parking By-law 2010-1 for the City of Greater Sudbury to:

1. Remove the stop signs currently controlling eastbound and westbound traffic on Dell Street at the intersection with Morin Avenue.
2. Maintain stop control on Morin Avenue, with stop signs installed on both the north and south approaches.

This revised configuration will allow eastbound traffic on Dell Street to flow freely, addressing CN's concerns regarding vehicle queuing near the railway crossing, while continuing to regulate cross traffic for safety.

## Resources Cited

Ontario Traffic Manual, Book 5 – Regulatory Signs, December 2021.