

Request for Decision

Traffic Control - Edison Road at Lindsley Street

Presented To: Operations Committee

Presented: Monday, May 06, 2013

Report Date: Wednesday, Apr 24, 2013

Type: Managers' Reports

Recommendation

THAT the City of Greater Sudbury authorize the change of traffic control at the intersection of Edison Road and Lindsley Street by designating Edison Road as a through street, and;

THAT a by-law be presented to amend Traffic and Parking By-Law 2010-1 in the City of Greater Sudbury to implement the recommended change all in accordance with the report from the General Manager of Infrastructure Services dated April 24, 2013.

Background

Staff received a request from the Falconbridge Citizen Committee to review traffic control at the intersection of Edison Road and Lindsley Street.

Lindsley Street intersects Edison Road forming a cross intersection within the town of Falconbridge and Ward 7 (see Exhibit 'A'). Currently, traffic at this intersection is controlled by stop signs facing eastbound and westbound traffic on Lindsley Street and a stop sign facing southbound traffic on Edison Road. This is not a standard form of traffic control at a cross intersection and can cause confusion and conflicts between vehicles at the intersection. A review of the City's collision data revealed that there were no reported collisions at this intersection for the last three years. A peak hour traffic count was completed on June 19, 2012 at this intersection. The total four hour volume recorded at this intersection is very low at 375, with almost half of the volume, 175, coming during the busiest hour of the day (5 p.m. to 6 p.m.). These volumes do not meet the City's all-way stop warrant.

From a traffic volume perspective, removing the stop sign facing southbound traffic on Edison Road and leaving the two stop signs on Lindsley Street is the preferred form of traffic control. The process for reassigning the right-of-way at an intersection has multiple steps which may be confusing to drivers. To try and minimize the risk of a collision, the Ontario Traffic Manual has provided a procedure that is to be followed to safely carry out the transition. The intent of the procedure is to change driver expectation and behavior by alerting drivers to a state of operational change. The following is a summary of the required

Signed By

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Division Review

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Recommended by the Department

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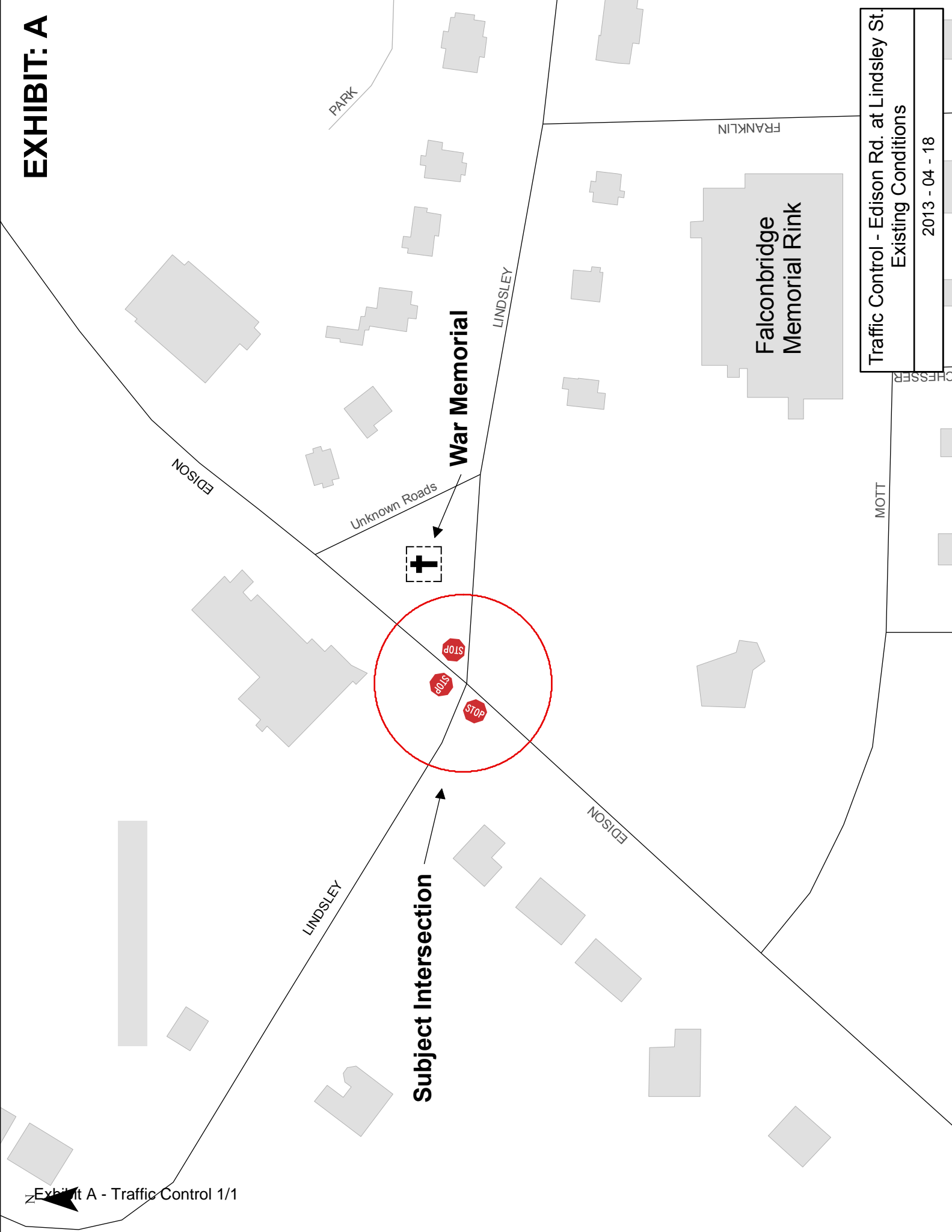
procedure:

1. Install a new stop sign facing northbound traffic on Edison Road with appropriate tabs to create an all-way stop at the intersection. The all-way stop is to remain in effect for at least 15 days.
2. Install large signs on the eastbound and westbound approach of Lindsley Street indicating "cross traffic does not stop". Below this sign, a tab sign is installed stating "After", with the month and day indicating when the stop signs will be removed.
3. After minimum of 15 days, remove the stop signs facing the northbound and southbound traffic on Edison Road. The tab signs with the month and day are also removed
4. After an additional period of a minimum of 15 days, the "Cross traffic does not stop" signs are removed.

This procedure was followed last year when the right-of-way was changed at the intersection of Cote Boulevard and Municipal Road 84. This intersection has much higher traffic volumes than Edison Road at Lindsley Street.

While reviewing the intersection, it was noted that tall cedar trees are growing along the southeast side of Edison Road, north of Lindsley Street (see Photos 1 and 2 in Exhibit 'B'). These trees restrict visibility and would need to be significantly trimmed to improve sight lines if the stop sign was removed on Edison Road. Should Council wish to maintain the current aesthetic of the War Memorial and not trim the trees, then converting the intersection to an all-way stop is recommended. This would involve installing a stop sign and painted stop bars on the south approach of Edison Road. While major tree trimming is not required with this option, some minor brushing near the stop sign should still be undertaken.

EXHIBIT: A



Traffic Control - Edison Rd. at Lindsley St.	
Existing Conditions	
2013 - 04 - 18	



Photo 1 – Looking southwest towards Edison Road and Lindsley Street intersection. Tall cedar trees on southeast side of Edison Road.



Photo 2 – Looking northeast from Lindsley Street while stopped at existing Stop sign.