

REGION OF OTTAWA-CARLETON
RÉGION D'OTTAWA-CARLETON

REPORT
RAPPORT

Our File/N/Réf. **50 20-00-R034AT**
Your File/V/Réf.

DATE 4 May 2000

TO/DEST. Co-ordinator Transportation Committee

FROM/EXP. Director Mobility Services and Corporate Fleet Services
Environment and Transportation Department

SUBJECT/OBJET **TRAFFIC CONTROL SIGNAL ON ST. JOSEPH BOULEVARD
AT EDGAR BRAULT STREET**

DEPARTMENTAL RECOMMENDATIONS

That the Transportation Committee recommend Council approve that:

- 1. a traffic control signal not be installed at St. Joseph Boulevard and Edgar Brault Street, or;**
- 2. a traffic control signal be installed at St. Joseph Boulevard and Edgar Brault Street, subject to the City of Gloucester;**
 - a. paying the total cost of the signal installation;**
 - b. paying the total cost to construct the intersection modification, including the westbound left turn lane as shown in Annex B;**
 - c. paying the annual maintenance and operating costs, and;**
 - d. executing a legal agreement with respect to a. b. and c.**

BACKGROUND

The City of Gloucester has requested the Region to install and maintain, at their costs, a traffic control signal at the intersection of St. Joseph Boulevard and Edgar Brault Street (Annex A refers).

DISCUSSION

The latest pedestrian and traffic data collected on 14 May 1999 indicated that a traffic control signal is only 13% warranted. A review of the collision history indicates that installing a traffic control signal would not likely have prevented any of the collisions.

This Department can only recommend the installation of a traffic control signal when the established warrants are 100% satisfied. Based on the fact that the signal warrants are not met, it is recommended that a traffic control signal not be installed on St. Joseph Boulevard and Edgar Brault Street.

Furthermore, if a traffic control signal is to be installed at this intersection, a westbound left turn lane must be constructed to allow for the proposed traffic signal to operate in an efficient and effective manner. St. Joseph Boulevard is a four lane roadway which carries peak hour vehicle volumes of 1,200 in the westbound and 1,100 vehicles in the eastbound directions. These volumes can be accommodated with the existing two lanes provided in each direction. However, if a traffic signal is introduced and a westbound left turn lane is not provided, westbound through vehicles in the centre through lane will be delayed when a vehicle turns left. For the most part, through vehicles will have to wait until the left-turning vehicle has turned in order to proceed through the intersection. This will create greater collision potential as motorists weave out of their lane to avoid this delay. This will increase the congestion and collision potential on St. Joseph Boulevard for every signal cycle that a westbound left turn vehicle is present. It should be noted that the absence of a left turn lane will also preclude the implementation of a left turn arrow in the future.

The estimated cost to install the traffic control signal at this location is \$110,000 (including audible signals). The annual maintenance and operating costs are approximately \$3,500.

The estimated cost of the intersection modification to provide a westbound left turn lane as shown in Annex B is \$200,000.

CONSULTATION

This report has been circulated to the area Councillors, the Regional Cycling Advisory Group (RCAG) and the Audible Pedestrian Signal Advisory Committee (APS) for comments. Comments, if any, from RCAG and APS Committee will be available at the public hearing meeting.

As required by the *Municipal Act of Ontario* regarding Public Hearings, a notice of the proposed roadway modifications has been placed in *Le Droit*, the *Ottawa Citizen* and the *Ottawa Sun* for four consecutive weeks.

FINANCAL IMPLICATIONS

Should Transportation Committee and Council approve the installation of the traffic control signal and the intersection modifications, the net cost to the Region would be nil as 100% of the costs would be recoverable from the City of Gloucester. No funds for this project have been provided in the 2000 Capital Budget, Order No. 900431, New Traffic Control Signal Programme.

*Approved by
Doug Brousseau*

Attach. (2)

Council Resolution No: 15

Meeting Date: September 14, 1999

Moved by: *[Signature]*

Seconded by: *[Signature]*



WHEREAS the City has received a petition from the residents on Edgar Brault Street in Orléans, requesting an installation of traffic control signals at the intersection of Edgar Brault Street and St. Joseph Boulevard;

AND WHEREAS the Operations and Fire Department has undertaken an investigation and recommends that an installation of the aforementioned traffic control signals be undertaken at this time.

NOW THEREFORE BE IT RESOLVED that the Council of the Corporation of the City of Gloucester enacts as follows:

1. That the Regional Municipality of Ottawa-Carleton (RMOC) be requested to install traffic control signals at the intersection of St. Joseph Boulevard and Edgar Brault Street at this time and the costs of both the capital expenditures and annual maintenance would be borne by the City of Gloucester.
2. That the RMOC be requested to forego the requirement of a west-bound left-turn lane at this time.

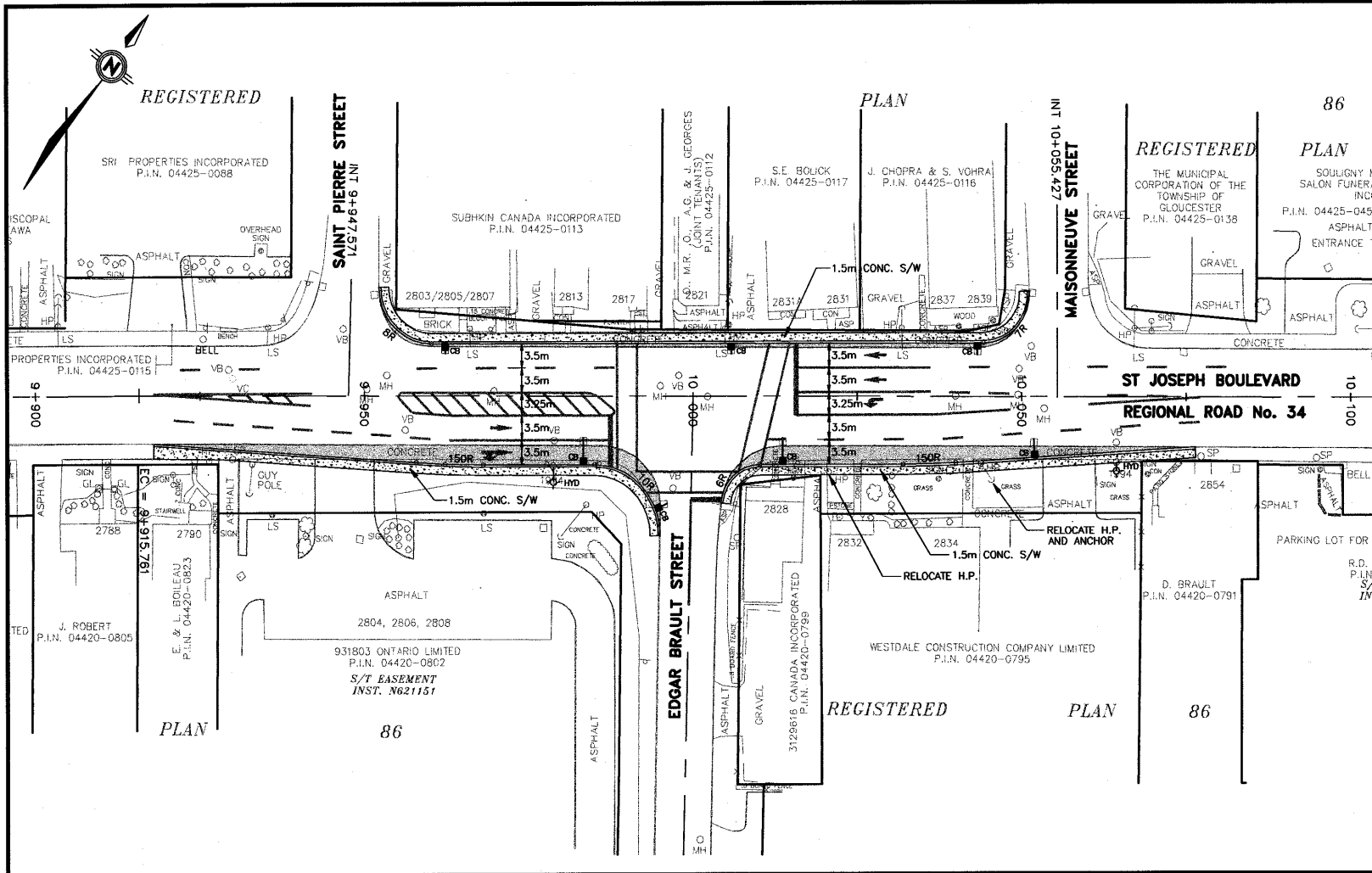
AND BE IT FURTHER RESOLVED that By-law No. 232 of 1999 entitled "A By-law of the Corporation of the City of Gloucester to authorize the installation of traffic control signals at the intersection of Edgar Brault Street and St. Joseph Boulevard" be introduced and read a first time and deemed to have been read a second and third time and passed.

By-law read and passed.

CARRIED

[Signature]

 MAYOR



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REGISTERED PLAN
 SOULIGNY & SALON FUNER INC
 P.I.N. 04425-045
 ASPHALT ENTRANCE

ST JOSEPH BOULEVARD
 REGIONAL ROAD No. 34

REGISTERED PLAN
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**ST. JOSEPH BOULEVARD
 AND EDGAR BRAULT STREET
 INTERSECTION MODIFICATION**

**OTTAWA-CARLETON
 ENVIRONMENT AND TRANSPORTATION
 DEPARTMENT**

SCALE	N.T.S.	DRAWN BY	R.P.	CHECKED BY	P.S.R.
		DATE	MAY 2000	APPROVED BY	