




TO: GENERAL COMMITTEE


SUBJECT: POSTED SPEED LIMIT AMENDMENTS

WARDS: 7, 9

PREPARED BY AND KEY CONTACT: J. MACDONALD, C.E.T.
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SUBMITTED BY: D. FRIARY 
DIRECTOR OF ROADS, PARKS, AND FLEET 

GENERAL MANAGER APPROVAL: B. PARKIN, P. Eng. 
GENERAL MANAGER OF INFRASTRUCTURE & GROWTH MANAGEMENT (ACTING)

CHIEF ADMINISTRATIVE OFFICER APPROVAL: C. LADD 
CHIEF ADMINISTRATIVE OFFICER *for*

RECOMMENDED MOTION

1. That Rates of Speed By-law 2002-191 Schedule "D", "Authorized Rates of Maximum Speed – 80 Kilometres per Hour" be amended by deleting the following:

<u>Street</u>	<u>From</u>	<u>To</u>
"Lockhart Road	Huronia Road	East Limits"
"Salem Road	Highway 400	Veterans Drive"
"Veterans Drive	300 metres south of Mapleview Drive	Salem Road"

2. That Rates of Speed By-law 2002-191 Schedule "C", "Authorized Rates of Maximum Speed – 60 Kilometres per Hour" be amended by deleting the following:

<u>Street</u>	<u>From</u>	<u>To</u>
"Lockhart Road	Highway 400	Huronia Road"
"Veterans Drive	Essa Road	300 metres south of Mapleview Drive"
"Yonge Street	28 metres North of Esther Drive	A point 800 metres south of Mapleview Drive East"

By adding the following:

<u>Street</u>	<u>From</u>	<u>To</u>
"Lockhart Road	Highway 400	975 m West of 20 th Side Road
"Salem Road	Highway 400	Veterans Drive"

"Veteran's Drive

Essa Road

Salem Road

"Yonge Street

28 m North of Esther Drive

Lockhart Road

PURPOSE & BACKGROUND

3. City staff have received a request regarding the existing 80 km/h posted speed limits on portions of Yonge Street and on Veterans Drive. These roadway segments transition from residential and commercial zones to rural areas which causes operational and safety concerns.
4. Lockhart Road is classified as a collector roadway and is a two (2) lane rural cross section between Highway 400 and Yonge Street with an existing posted speed limit of 60 km/h to the 2010 City limits transiting to 80 km/h to Yonge Street. Please refer to Appendix "A" for a map of the study area.
5. Salem Road is classified as an industrial local roadway and is a two (2) lane rural cross section between Highway 400 and Veteran's Drive with an existing posted speed limit of 80 km/h. Please refer to Appendix "B" for a map of the area.
6. Veterans Drive is classified as an arterial roadway and is a five (5) lane urban cross section between Essa Road and Salem Road with an existing speed limit of 60 km/h from Essa Road to a point 300 metres south of Mapleview, where it then becomes 80 km/h to the south City limits.. Please refer to Appendix "C" for a map of the study area.
7. Yonge Street is classified as an arterial roadway and is a two (2) lane roadway between Mapleview Drive East and Lockhart Road with an existing 60 km/hr from Esther Drive to a point 800 metres south of Mapleview Drive East where it then becomes 80 km/hr to Lockhart Road. Refer to Appendix "D" for a map of the study area.

ANALYSIS

8. The purpose of this staff report was to review the existing geometric design and traffic operations of Yonge Street, Salem Road, and Veterans Drive and the existing posted speed limit of 80 km/hr to determine the feasibility of reducing the posted speed limit from 80 km/h to 60 km/h. As a result of this review staff recommending reducing the existing 80 km/h to 60 km/h to improve the operation and safety of the roadways.

LOCKHART ROAD

9. Staff recommends that the existing posted speed of 80 km/h on Lockhart Road from the Highway 400 to Huronia Road be reduced to 60 km/h and extended to a point 975 metres west of 20th Side Road. This recommendation is based on the adoption of the Draft Secondary Plans with future residential development along Lockhart Road. Staff recommend that By-law 2002-191 be so amended.

SALEM ROAD

10. Staff recommends that the posted speed limit on Salem Road from Veteran's Drive and Salem Road to Highway 400 be reduced to 60 km/h. This recommendation is based on the adoption of the Draft Secondary Plans with future residential development along Lockhart Road. Staff recommend that By-law 2002-191 be so amended.

VETERANS DRIVE

11. Staff recommends that the existing posted speed limit of 60 km/h on Veteran's Drive be extended from the intersection of Veteran's Drive and King Street to the intersection of Veteran's Drive and Salem Road and that By-law 2002-191 be so amended.

12. The current transitional zone from 60 km/h to 80 km/h causes operational and safety concerns as it is located where Veteran's Drive transitions from a five (5) lane cross section with commercial blocks to a two (2) lane cross section with green space. The extension of the 60 km/h speed zone on Veteran's Drive will improve the operation and safety of the roadway by changing the transition zone further south away from the five (5) lane cross section with commercial blocks.

YONGE STREET

13. Staff recommends that the existing posted speed limit of 60 km/h on Yonge Street be extended to Lockhart Road. This recommendation is based on the adoption of the Draft Secondary Plans with future residential development and that By-law 2002-191 be so amended.
14. Staff will continue to monitor the traffic operations on Yonge Street, Veteran's Drive, Lockhart Drive and Salem Road to ensure a successful transition.
15. Barrie Police Service and Barrie Fire & Emergency Service do not oppose staff's recommendation.

ENVIRONMENTAL MATTERS

16. There are no environmental matters related to the recommendation.

ALTERNATIVE

17. The following Alternatives are available for consideration by General Committee:

Alternative #1 General Committee could decide not to amend By-law 2002-191 and maintain the existing posted speed limit of 80 km/hr on Veteran's Drive.

This Alternative is not recommended as the current transitional zone from 60 km/h to 80 km/h causes operational and safety concerns as it is located where Veterans Drive transitions from a five (5) lane urban cross section to a two (2) lane rural cross section. The extension of the 60 km/h posted speed limit on Veterans Drive will improve the operation and safety of the roadway.

Alternative #2 General Committee could decide to maintain the existing posted speed limit on Lockhart Road, Salem Road, and Yonge Street between Highway 400 and 20th Side Road.

This Alternative is not recommended based on the adoption of the Draft Secondary Plans with future residential development.

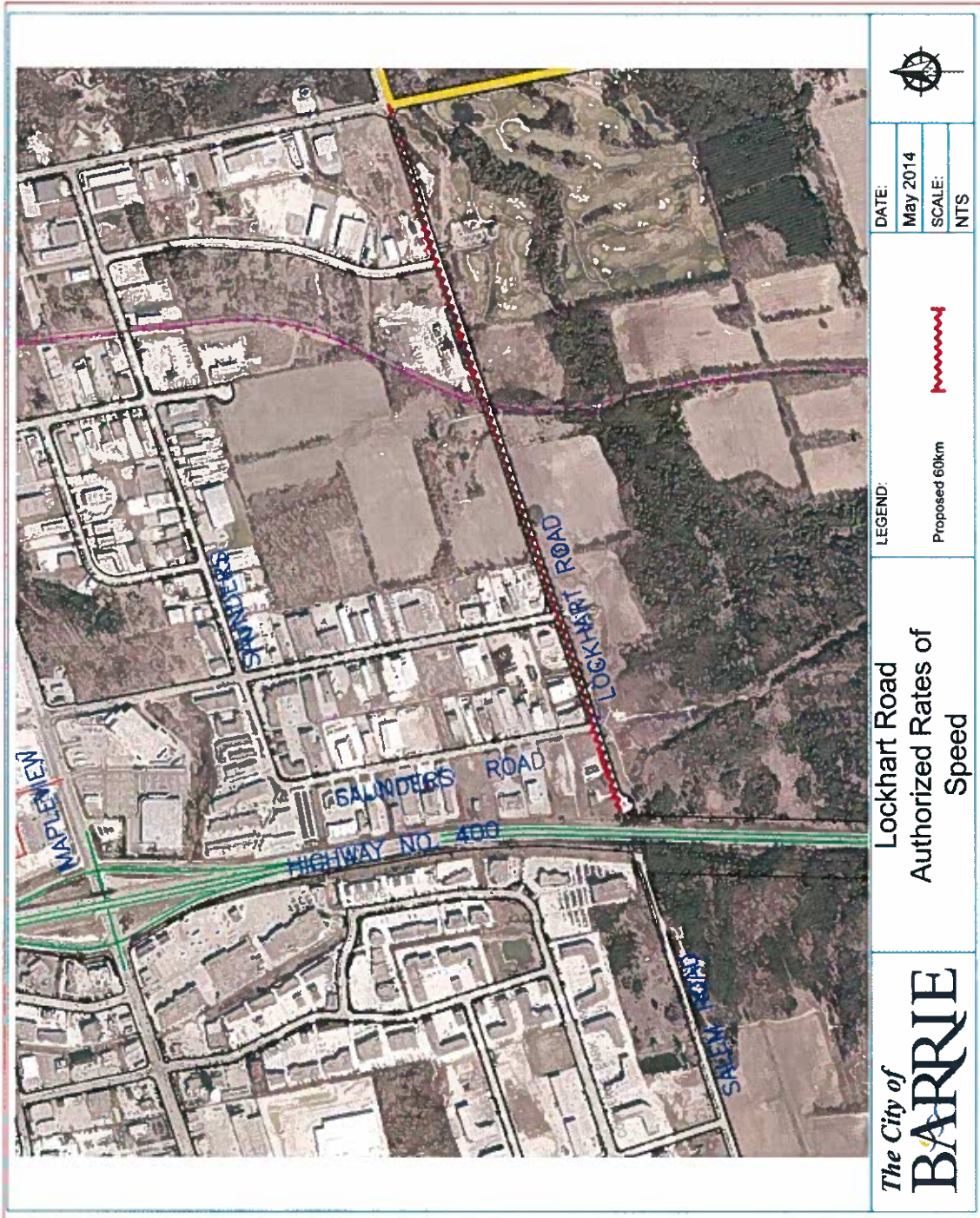
FINANCIAL

18. The cost to install "Maximum Speed" signs is approximately \$2,000, which can be accommodated in the 2014 Operating Budget.

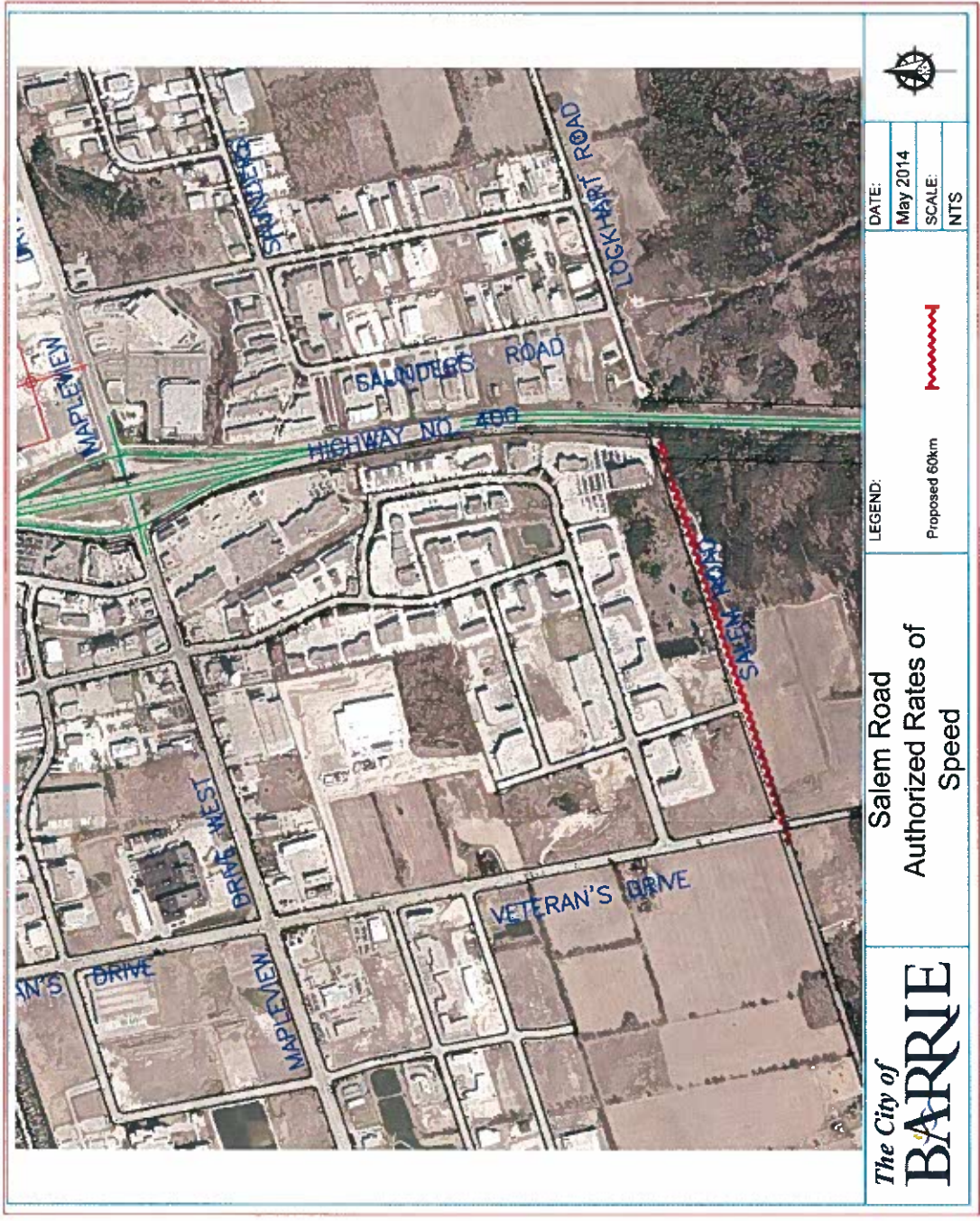
LINKAGE TO COUNCIL STRATEGIC PRIORITIES

19. The recommendations included in this Staff Report are not specifically related to the goals identified in the 2010-2014 City Council Strategic Plan.

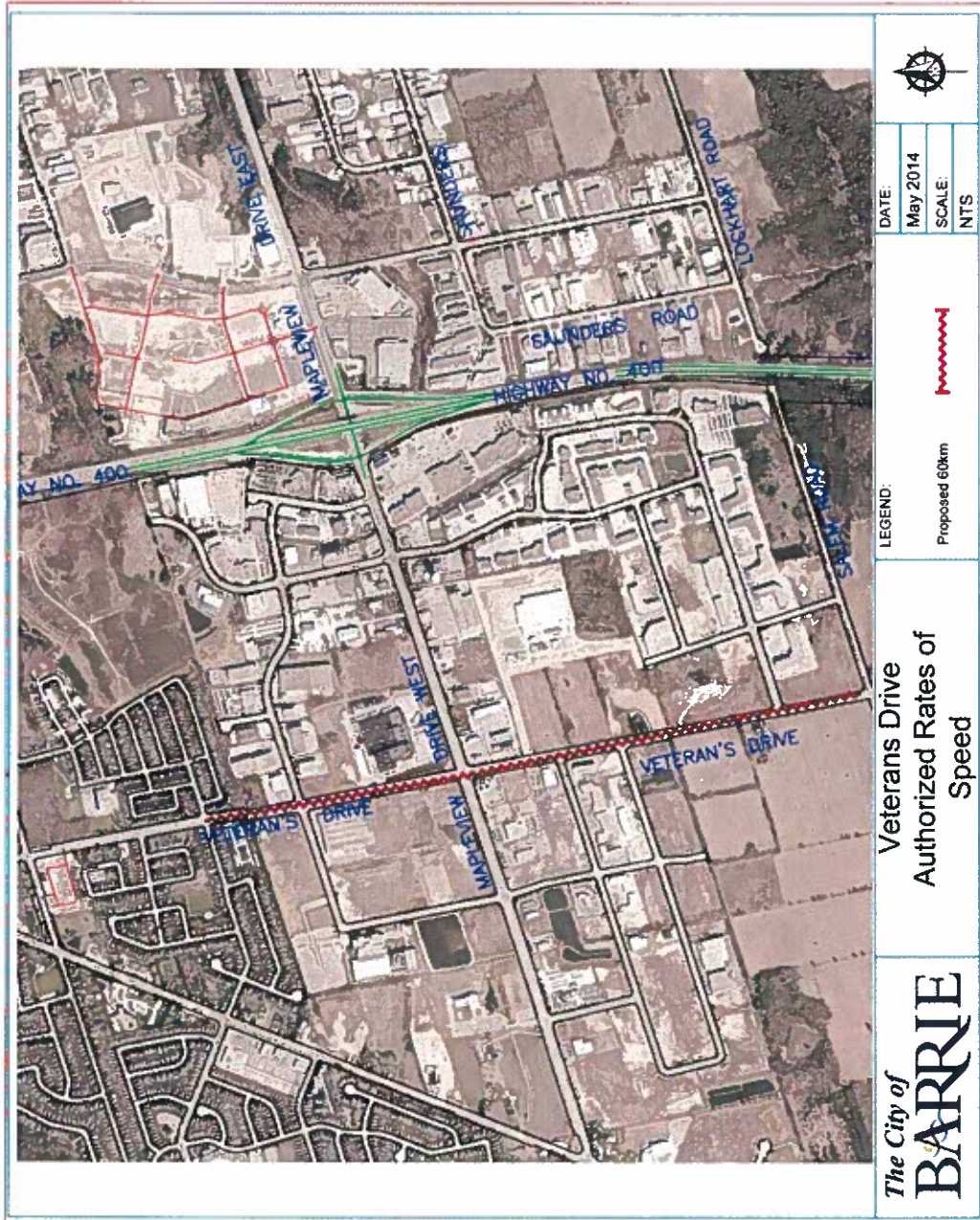
APPENDIX "A"



APPENDIX "B"



APPENDIX "C"



APPENDIX "D"

