
TO: GENERAL COMMITTEE

SUBJECT: SPEED LIMIT REVIEW – VETERAN'S DRIVE AND MCKAY ROAD

WARD: 6, 7, 8

PREPARED BY AND KEY CONTACT: M. KAVECKAS, SENIOR TRANSPORTATION OPERATIONS TECHNOLOGIST, EXT. 4876

SUBMITTED BY: S. ROSE, CET, TSOS, MANAGER OF TRAFFIC AND ROWA SERVICES

EXECUTIVE DIRECTOR APPROVAL: M. BANFIELD, RPP, EXECUTIVE DIRECTOR OF DEVELOPMENT SERVICES

CHIEF ADMINISTRATIVE OFFICER APPROVAL: M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

RECOMMENDED MOTION

1. That Rates of Speed By-Law 2002-191, Schedule "C" "Authorized Rates of Maximum Speed – 60 Kilometres Per Hour" be amended by removing the following:

<u>Street</u>	<u>From</u>	<u>To</u>
"Veteran's Drive	Essa Road	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 adding the following:

<u>Street</u>	<u>From</u>	<u>To</u>
"Veteran's Drive	Essa Road	South City Limit"
"McKay Road	County Road 27	Huron Road"

3. That Traffic By-Law 2020-107, Schedule '1', "No Parking Anytime" be amended by adding the following:

<u>Veteran's Drive</u>	Both sides from a point 210 metres north of McKay Road to a point 580 metres south thereof.
<u>McKay Road</u>	Both sides from a point 130 metres west of Reid Drive to a point 310 metres east of Veteran's Drive.

PURPOSE & BACKGROUND

4. As part of the reconstruction on Veteran's Drive and McKay Road, it has been identified that a maximum posted speed limit of 60km/h is recommended on Veteran's Drive from Essa Road to the South City Limit and on McKay Road from Country Road 27 to Huronia Road.

5. Veteran's Drive is a north/south arterial road from Essa Road to Salem Road. Currently, Veteran's Drive from Salem Road to McKay Road is under construction with Contract EN1257/EN1258: McKay Road Improvements and Veteran's Drive Trunk Watermain Project. This new infrastructure project will support growth and development in southwest end of the City of Barrie.
6. The existing maximum posted speed limit along Veteran's Drive from Essa Road to Salem Road is 60km/h. Between Salem Road and McKay Road, the maximum posted speed limit is 80km/h. This section of Veteran's Drive has not been identified in the Rates of Speed By-law, as the Highway Traffic Act (HTA) states that the rate of speed for a rural, not built-up area is 80km/h. Please refer to Appendix "A" for a map of the existing maximum posted speed limits on Veteran's Drive. There are currently no parking restrictions on Veteran's Drive in the area of this new infrastructure project.
7. McKay Road is an east/west arterial road from County Road 27 and Huronia Road. Currently, McKay Road is under construction in the vicinity of Veteran's Drive under Contract EN1257/EN1258: McKay Road Improvements and Veteran's Drive Trunk Watermain Project. The road will be widened into two lanes of traffic (per direction) with a centre median/turning lane. McKay Road will also be urbanized with curbs, sidewalks, a cycle lane, street lighting, traffic signals, and landscaping. Estimated completion of the project is July 2024.
8. McKay Road is currently not added into the Rates of Speed By-law 2002-191. However, it is signed 80km/h between County Road 27 and Huronia Road as per the HTA. There are currently no parking restrictions on McKay Road in the area of this new infrastructure project. Please refer to **Appendix "B" for a map of the existing maximum posted speed limits on McKay Road.**

ANALYSIS

9. The main purpose of determining an appropriate speed limit is to strike a balance between safety and mobility. It should be noted that drivers adjust their speed based on their perception of safe speed rather than the speed limit unless heavy enforcement is present for a long period of time. The major objective of setting an optimal speed limit is to decrease speed differentials along the roadway. This improves operations and safety and contributes to lowering greenhouse gas emissions through avoiding unnecessary acceleration and deceleration and allow for more efficient progression along the corridor.

Veteran's Drive

10. Staff have identified with the completion of Veteran's Drive the existing maximum posted speed limit of 80km/h on Veteran's Drive between Salem Road and McKay Drive should be changed. Design standard guidelines from the Multi-modal Active Transportation Master Plan recommend urban arterial roads to have a maximum posted speed limit of 60km/h. From these guidelines and future characteristics of the road, staff propose a maximum posted speed limit of 60km/h on Veteran's Drive from Essa Road to the South City Limit. Having uniform speeds on Veteran's Drive will help encourage compliance and safety, while allowing the arterial road to provide traffic movement for major corridors in the southwest City of Barrie.
11. As part of the reconstruction, Veteran's Drive will be urbanized. Parking is typically restricted on urbanized arterial roadways; therefore, staff are proposing "No Parking Anytime" restrictions. Please refer to Appendix "C" for a map of the proposed parking restrictions on Veteran's Drive.
12. Staff propose the following amendments be made to the Rates of Speed By-Law and the Traffic By-Law. That Rates of Speed By-Law 2002-191, Schedule "C" "Authorized Rates of Maximum Speed – 60 Kilometres Per Hour" be amended by removing the following:

-
- | | <u>Street</u> | <u>From</u> | <u>To</u> |
|--|------------------|-------------|-------------|
| | "Veteran's Drive | Essa Road | Salem Road" |
13. That Rates of Speed By-Law 2002-191, Schedule "C", "Authorized Rates of Maximum Speed – 60 Kilometres Per Hour" be amended by adding the following:
- | | <u>Street</u> | <u>From</u> | <u>To</u> |
|--|------------------|-------------|-------------------|
| | "Veteran's Drive | Essa Road | South City Limit" |
14. That Traffic By-Law 2020-107, Schedule '1', "No Parking Anytime" be amended by adding the following:
- | | <u>Veteran's Drive</u> | |
|--|------------------------|---|
| | | Both sides from a point 210 metres north of McKay Road to a point 580 metres south thereof. |

McKay Road

15. Staff have identified with the completion of McKay Road the existing maximum posted speed limit of 80km/h on McKay Road between County Road 27 and Huronia Road should be changed. Design standard guidelines from the Multi-modal Active Transportation Master Plan recommend urban arterial roads to have a maximum posted speed limit of 60km/h. From these guidelines and future characteristics of the road, staff propose a maximum posted speed limit of 60km/h on McKay Road from County Road 27 to Huronia Road. Having uniform speeds on McKay Road will help encourage compliance and safety while allowing the arterial road to provide traffic movement for major corridors in the Southwest City of Barrie.
16. As part of the reconstruction, McKay Road will be urbanized. Parking is typically restricted on urbanized arterial roadways; therefore, staff are proposing "No Parking Anytime" restrictions within the limits of the infrastructure project.
17. Staff propose the following amendments be made to the Rates of Speed By-Law and Traffic By-Law. That Rates of Speed By-Law 2002-191, Schedule "C", "Authorized Rates of Maximum Speed – 60 Kilometres Per Hour" be amended by adding the following:
- | | <u>Street</u> | <u>From</u> | <u>To</u> |
|--|---------------|----------------|---------------|
| | "McKay Road | County Road 27 | Huronia Road" |
18. That Traffic By-Law 2020-107, Schedule '1', "No Parking Anytime" be amended by adding the following:
- | | <u>McKay Road</u> | |
|--|-------------------|--|
| | | Both sides from a point 130 metres west of Reid Drive to a point 310 metres east of Veteran's Drive. |
19. Barrie Police Service, Barrie Fire and Emergency Service and Municipal Law Enforcement staff do not oppose the recommendation.

ENVIRONMENTAL AND CLIMATE CHANGE IMPACT MATTERS

20. Consistent speed limits and progression along a corridor contribute to lowering greenhouse gas emissions through avoiding unnecessary acceleration and deceleration.

ALTERNATIVES

21. The following alternatives are available for consideration by General Committee:

Alternative #1 General Committee could maintain the existing maximum posted speed limit on Veteran's Drive between Essa Road and the South City Limit.

This alternative is not recommended as design standard guidelines from the Multi-modal Active Transportation Master Plan recommends a 60km/h maximum posted speed limit for urban arterial roads. With completion of Veteran's Drive (EN1258: Veteran's Drive Trunk Watermain Project) and future roadway characteristics, Veteran's Drive will require a maximum posted speed limit of 60km/h.

Alternative #2 General Committee could maintain the existing maximum posted speed limit on McKay Road between County Road 27 and Huronia Road.

This alternative is not recommended as design standard guidelines from the Multi-modal Active Transportation Master Plan recommends a 60km/h maximum posted speed limit for urban arterial roads. With completion of McKay Road (EN1257: McKay Road Improvements) and future roadway characteristics, McKay Road will require a maximum posted speed limit of 60km/h.

Alternative #3 General Committee could maintain the existing parking restrictions on Veteran's Drive and McKay Road within the limits of the reconstruction contract.

This alternative is not recommended due to the urbanization of Veteran's Drive and McKay Road. Permitted on-street parking on an urban arterial roadway would create operation concerns for motorists.

FINANCIAL

22. The costs associated with the installation of new Maximum Speed signs is accommodated within Contract EN1257/EN1258: McKay Road Improvements and Veteran's Drive Trunk Watermain Project.

LINKAGE TO 2022-2026 STRATEGIC PLAN

23. The recommendation included in this Staff Report supports the following goal identified in the 2022-2026 Strategic Plan:

☒ Community Safety – Address speeding and aggressive driving to ensure street and pedestrian safety.

24. The recommendation of amending the Rates of Speed By-law to have a consistent maximum posted speed limit of 60km/h, and the Traffic By-law No Parking Anytime on Veteran's Drive and McKay Road will help achieve safe, realistic, and uniform speeds throughout the growth and development of the City of Barrie. This will encourage compliance and decrease large variations in speed. This recommendation prioritizes Council's goal of creating safer streets.



Attached: Appendix "A" – Speed Limit Review – Veteran's Drive
 Appendix "B" – Speed Limit Review – McKay Road
 Appendix "C" – No Parking Anytime - Veteran's Drive and McKay Road

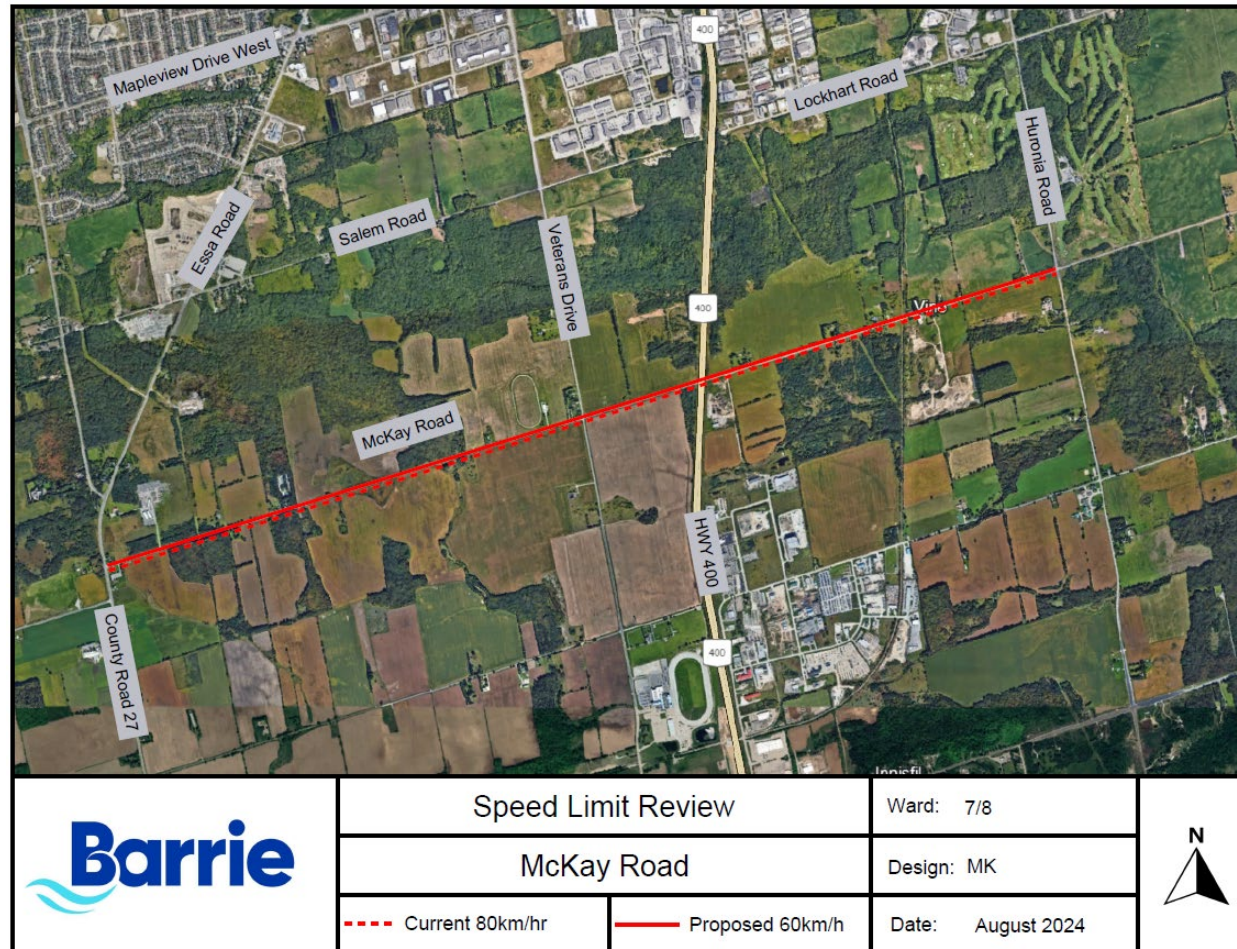
APPENDIX "A"

Speed Limit Review – Veteran's Drive



APPENDIX "B"

Speed Limit Review – McKay Road



APPENDIX "C"

No Parking Anytime – Veteran's Drive and McKay Road

