



Staff Report for Committee of the Whole Meeting

Date of Meeting: March 18, 2019

Report Number: SRPRS.19.044

Department: Planning and Regulatory Services
Division: Development Engineering & Transportation

Subject: **SRPRS.19.044 – 2019 Pole-Mounted Radar
Speed Board Locations**

Purpose:

To seek Council's approval of the 2019 list of locations for the pole-mounted radar speed board program within the Town.

Recommendation(s):

a) That the following 18 locations be approved for the 2019 Pole Mounted Radar Speed Board program:

- i. North Lake Road (Wood Rim Drive to Wildwood Avenue)
- ii. Red Cardinal Trail (Deerwood Crescent to Bloomington Road)
- iii. Regatta Avenue (Blackforest Drive to Yonge Street)
- iv. Centre Street (Yonge Street to Pugsley Avenue)
- v. Devonsleigh Boulevard (19th Avenue to Brookwood Drive)
- vi. Jefferson Forest Drive (Wings View Gate to the south leg of Shadow Falls Drive)
- vii. Clarendon Drive (Spadina Avenue to Boake Trail)
- viii. Frank Endean Road (Rushingbrook Drive to Major Mackenzie Drive East)
- ix. Toporowski Avenue (Redstone Road to Leslie Street)
- x. Lucas Street (Levendale Road to Trayborn Drive)
- xi. Mill Street (Ellery Drive to Trench Street)
- xii. Rollinghill Road (Richvalley Crescent to Tower Hill Road)
- xiii. Garden Avenue (Pearson Road to Yonge Street)
- xiv. Spruce Avenue (Avenue Road to Yonge Street)
- xv. Weldrick Road West (Springhead Gardens to Yonge Street)
- xvi. Briggs Avenue (Queen College Drive to Valleymede Drive)
- xvii. Lagani Avenue (Kevi Crescent to Rubin Street)
- xviii. Red Maple Road (High Tech Road to Bantry Avenue)

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Contact Person:

Rob Cowie, Senior Traffic Analyst, 905-747-6455 and/or
Richard Hui, Manager of Transportation, 905-771-5478.

Report Approval:

Submitted by: Kelvin Kwan, Commissioner of Planning and Regulatory Services

Approved by: Neil Garbe, Chief Administrative Officer

All reports are electronically reviewed and/or approved by the Division Director, Treasurer (as required), Town Solicitor (as required), Commissioner, and Chief Administrative Officer. Details of the reports approval are attached.

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Background:

Pole-mounted radar speed boards have been well received as a community education tool to raise awareness of driver travel speed on various roads. The Town has implemented the pole-mounted radar speed board program to remind and encourage motorists to reduce their speeds and obey the posted speed limit. The program is based on the principle that many motorists are somewhat unaware that they are travelling at an excessive rate of speed. Most motorists generally drive at a speed deemed comfortable, depending on road geometry and surrounding development. The operating speed electronically displayed on the board is a strong visual reminder to the motorist to comply with the posted speed limit.

In 2017, the pole mounted speed board program was updated (SRPRS.17.111) with a number of improvements which included:

- Relocation of pole-mounted radar speed boards to new locations
- Acquisition of additional pole-mounted radar speed boards
- Replacement of old and non-functioning radar boards
- Replacement of old and non-functioning ATR's (automatic traffic recorders)
- Provision for the Community Services Operating Budget to include funds to cover the cost of relocating the pole-mounted radar speed boards on an annual basis
- Provision for the 10 Year Capital Budget to include funds to cover the ongoing replacement of existing pole-mounted radar speed boards at the end of their life cycle, and the addition of new boards in the future

In addition to the above, a process for relocating 36 pole-mounted speed boards in pairs was established whereby existing locations are reviewed annually. The program is intended to move the radar boards to other areas where the presence of radar boards would provide a benefit with three locations for each ward.

Staff have reviewed community and Councillor requests and completed an assessment of various road sections within the Town through the application of the traffic criteria as adopted in SREPW.09.097. Appendix 1 provides the traffic criteria scoring table use as a guide in selecting the locations. Appendix 2 provides the list of current (2018 – 2019) pole-mounted radar board locations that were approved by Council through SRPRS.17.111.

Based on the review and analysis undertaken by staff, the 18 locations listed herein have been identified as priority areas for pole-mounted radar speed boards.

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Ward 1

- North Lake Road (Wood Rim Drive to Wildwood Avenue)
- Red Cardinal Trail (Deerwood Crescent to Bloomington Road)
- Regatta Avenue (Blackforest Drive to Yonge Street)

Ward 2

- Centre Street East (Yonge Street to Pugsley Avenue)
- Devonsleigh Boulevard (19th Avenue to Brookwood Drive)
- Jefferson Forest Drive (Wings View Gate to the south leg of Shadow Falls Drive)

Ward 3

- Clarendon Drive (Spadina Avenue to Boake Trail)
- Frank Endean Road (Rushingbrook Drive to Major Mackenzie Drive East)
- Toporowski Avenue (Redstone Road to Leslie Street)

Ward 4

- Lucas Street (Levendale Road to Trayborn Drive)
- Mill Street (Ellery Drive to Trench Street)
- Rollinghill Road (Richvalley Crescent to Tower Hill Road)

Ward 5

- Garden Avenue (Pearson Road to Yonge Street)
- Spruce Avenue (Avenue Road to Yonge Street)
- Weldrick Road West (Springhead Gardens to Yonge Street)

Ward 6

- Briggs Avenue (Queens College Drive to Valleymede Drive)
- Lagani Avenue (Kevi Crescent to Rubin Street)
- Red Maple Road (High Tech Road to Bantry Avenue)

As such, staff recommends that the existing 36 pole-mounted radar speed boards be redeployed to these 18 locations for a period of approximately one year as part of the Town's 2019 Pole Mounted Radar Speed Board program.

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Financial/Staffing/Other Implications:

The average yearly cost to relocate one pole-mounted radar message board is estimated to be \$500, resulting in a total estimated relocation cost of \$18,000 to relocate all 36 radar boards. This amount is included in Community Service's operating budget in order to cover the annual costs associated with relocating the thirty-six units approved by Council through SRPRS.17.111.

Relationship to the Strategic Plan:

The recommendations for the replacement of equipment are consistent with Strategic Plan's goals for the wise management of resources and responds to the changing needs of the community by providing adaptive services and programs to help address increasing traffic challenges facing our community through education and innovative programs.

Conclusion:

Staff have reviewed community and Councillor requests and completed an assessment of various road sections within the Town. Based on their analysis, it is recommended that the 18 locations for the Town's 2019 Pole Mounted Radar Speed Board program in this report be approved. Furthermore, it is recommended that the 36 pole mounted radar speed boards be redeployed to these locations for a period of approximately one year.

Attachments:

The following attached documents may include scanned images of appendixes, maps and photographs. If you require an alternative format please call contact person listed in this document.

- Appendix 1, Traffic Criteria Scoring for the Deployment of the Pole Mounted Radar Speed Boards Table
- Appendix 2, List of current (2018 – 2019) pole-mounted radar board locations

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Report Approval Details

Document Title:	SRPRS.19.044 - Pole Mounted Radar Message Board Schedule.docx
Attachments:	- SRPRS.19.044_Appendix 1.pdf - SRPRS.19.044_Appendix 2.pdf
Final Approval Date:	Mar 5, 2019

This report and all of its attachments were approved and signed as outlined below:

Dan Terzievski - Mar 5, 2019 - 10:02 AM

Kelvin Kwan - Mar 5, 2019 - 11:40 AM

David Dexter - Mar 5, 2019 - 11:55 AM

Neil Garbe - Mar 5, 2019 - 12:08 PM