



Staff Report for Committee of the Whole Meeting

Date of Meeting: July 5, 2023

Report Number: SRPI.23.019

Subject: SRPI.23.019 – 2023/2024 Pole-Mounted Radar Message Board Program Locations

Purpose:

To seek Council approval for the installation of pole-mounted driver speed feedback signs at various locations within the City for 2023/2024, as part of the annual Radar Message Board program.

Recommendation(s):

- a) That the following 18 locations be approved for the installation of pole-mounted speed radar board signs as part of the Radar Message Board program for 2023/2024:
 - (i) Worthington Avenue, from Bloomington Road to Pagean Drive
 - (ii) Red Cardinal Trail, from Bloomington Road to Jocada Court
 - (iii) Milos Road from Amaranth Court to Phillips View Crescent [S]
 - (iv) Oldhill Street from Mandel Crescent [N] to Forestside Court
 - (v) Newkirk Road from Centre Street East to Major Mackenzie Drive East
 - (vi) Yorkland Street from Bernard Avenue to Justus Drive
 - (vii) Boake Trail from Delevan Court to Frank Court
 - (viii) Redstone Road from Frank Endean Road to Jaguar Gate
 - (ix) Toporowski Avenue from Leslie Street to Maraca Drive
 - (x) Brookside Road from Cedar Springs Drive to Chantilly Crescent
 - (xi) Mill Street from Ellery Drive/Neighbourly Lane to Pine Trees Court
 - (xii) Tower Hill Road from Brass Drive to Edelweiss Avenue
 - (xiii) Springhead Gardens from Denava Gate to Lillooet Crescent [W]
 - (xiv) Garden Avenue from Cambridge Crescent to Hunters Point Drive
 - (xv) Stockdale Crescent from Bathurst Street to Georgian Bay Street/Hart Street
 - (xvi) Bantry Avenue from Red Maple Road to Yonge Street
 - (xvii) High Tech Road from Red Maple Road to Yonge Street
 - (xviii) Vallemede Drive from Briggs Avenue to Strathearn Avenue

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Contact Person:

Hubert Ng, P.Eng., Manager of Transportation and Traffic, 905-771-6501

Jasmin de Xavier, Traffic Analyst, 905 771-9996 ext. 6455

Report Approval:

Submitted by: Kelvin Kwan, Commissioner of Planning and Infrastructure

Approved by: Darlene Joslin, City Manager

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

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Background:

The City has implemented the Pole-Mounted Radar Speed Board Program, to evoke awareness of safe driving behavior and encourage motorists to reduce speeding in high risk areas. Pole-mounted radar speed boards are an effective tool used as part of a community education program and have been well received by residents. The program is founded on the principle that many motorists are somewhat unaware that they are travelling at an excessive rate of speed. A significant number of motorists generally drive at a speed deemed comfortable, depending on road geometry and surrounding land use.

The operating speed of approaching road users is displayed electronically on the board and serves as a strong visual prompt to motorists to comply with the posted speed limit. Figure 1 depicts a pole-mounted radar speed board deployed on the City's roadside.

Figure 1 – Example of Pole-Mounted Radar Speed Board Deployed on a City Road



The current program includes 36 pole-mounted radar boards, which are deployed at 18 key locations (two boards per location – one per travel direction) for a period of approximately one year, with three locations (six radar boards) for each City Council Ward.

At the end of the 12-month period, the boards are relocated to other key areas where their presence is deemed beneficial.

Appendix 1 provides the list of current pole-mounted radar board locations for 2022/2023 that were approved by Council through Staff Report SRPRS.22.022, as well as the radar board locations proposed for 2023/2024.

The process for selecting and prioritizing the new locations is based on a set of scoring criteria established through Staff Report SREPW.09.097, which includes a combination of community inquiries and requests received throughout the year, as well as an

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assessment of road links based on traffic criteria. Staff Report SREPW.09.097, including a summary of the scoring criteria, is provided in **Appendix 2** for reference.

Candidate locations in each City Council Ward are then reviewed collaboratively with each Ward Councillor before the final list of locations is brought forward for approval.

Based on the above methodology, the following 18 locations have been identified as priority areas for pole-mounted radar speed boards for the 2023-24 program:

- (i) Worthington Avenue, from Bloomington Road to Pagean Drive
- (ii) Red Cardinal Trail, from Bloomington Road to Jocada Court
- (iii) Milos Road from Amaranth Court to Phillips View Crescent [S]
- (iv) Oldhill Street from Mandel Crescent [N] to Forestside Court
- (v) Newkirk Road from Centre Street East to Major Mackenzie Drive East
- (vi) Yorkland Street from Bernard Avenue to Justus Drive
- (vii) Boake Trail from Delevan Court to Frank Court
- (viii) Redstone Road from Frank Endean Road to Jaguar Gate
- (ix) Toporowski Avenue from Leslie Street to Maraca Drive
- (x) Brookside Road from Cedar Springs Drive to Chantilly Crescent
- (xi) Mill Street from Ellery Drive/Neighbourly Lane to Pine Trees Court
- (xii) Tower Hill Road from Brass Drive to Edelweiss Avenue
- (xiii) Springhead Gardens from Denava Gate to Lillooet Crescent [W]
- (xiv) Garden Avenue from Cambridge Crescent to Hunters Point Drive
- (xv) Stockdale Crescent from Bathurst Street to Georgian Bay Street/Hart Street
- (xvi) Bantry Avenue from Red Maple Road to Yonge Street
- (xvii) High Tech Road from Red Maple Road to Yonge Street
- (xviii) Valleysmeade Drive from Briggs Avenue to Strathearn Avenue

Appendix 3 includes maps for each City Council Ward, showing the proposed locations.

As such, staff recommend that the existing 36 pole-mounted radar speed boards be redeployed to these 18 locations (two boards per location) for a period of approximately one year, as part of the City's 2023-2024 Pole-Mounted Radar Speed Board program.

Financial/Staffing/Other Implications:

The cost to relocate all 36 radar boards is included in the Community Services operating budget, as approved by Council through SRPRS.17.111.

Therefore, there are no further financial implications associated with the redeployment of the pole-mounted radar boards, as outlined in this report.

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Relationship to Council’s Strategic Priorities 2020-2022:

The recommendations of this report are consistent with Council’s Strategic Priorities to create a “Strong Sense of Belonging” and improve “Getting Around the City” through promotion of awareness of safe travel speeds.

Climate Change Considerations:

The radar message board program is expected to help promote more consistent travel speeds on the roads where they are installed, which can contribute to climate change mitigation by reducing fuel consumption.

Conclusion:

Staff have reviewed community and Councillor requests, and completed an assessment of various road sections within the City in order to identify the proposed locations of the pole-mounted radar boards noted herein. Based on the findings, it is recommended that the 18 locations noted herein for the City’s Pole-Mounted Radar Message Board Program be approved and that the boards are installed and in place for a period of approximately one year.

Appendices:

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

- Appendix 1: List of Current (2022-2023) and Proposed (2023-2024) Locations
- Appendix 2: Staff Report SREPW.09.097
- Appendix 3: City Council Ward Maps showing Proposed (2023-2024) Locations

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Report Approval Details

Document Title:	SRPI.23.019 2023-2024 Pole Mounted Radar Message Board Program Locations.docx
Attachments:	- Appendix 1 List of Current (2022-2023) and Proposed (2023-2024) Locations.docx - Appendix 2 Staff Report SREPW.09.097.pdf - Appendix 3 City Council Ward Maps showing Proposed (2023-2024) Locations.docx
Final Approval Date:	Jun 3, 2023

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

Dan Terziewski - Jun 1, 2023 - 12:02 PM

Paolo Masaro - Jun 2, 2023 - 11:13 AM

Kelvin Kwan - Jun 2, 2023 - 11:42 AM

Darlene Joslin - Jun 3, 2023 - 1:07 PM