



Staff Report for Council Meeting

Date of Meeting: June 8, 2022

Report Number: SRPI.22.022

Department: Planning and Infrastructure
Division: Infrastructure and Engineering Services

**Subject: SRPI.22.022 – 2022/2023 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 2022/2023, 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 annual Radar Message Board program:
 - (i) Regatta Avenue, from Yonge Street to Blackforest Drive
 - (ii) Coons Road, from Aubrietia Court to Cynthia Crescent
 - (iii) Kingshill Road, from Grovewood Street to Selleck Drive
 - (iv) Church Street South, from Major Mackenzie Drive East to Roseview Avenue
 - (v) Devonsleigh Boulevard, from Luba Avenue to Summicrest Drive/Swan Court
 - (vi) Crosby Avenue, from Newkirk Road to Neal Drive
 - (vii) Strathearn Avenue, from 16th Avenue to Boake Trail
 - (viii) Redstone Road, from Princeton Avenue to Toporowski Avenue
 - (ix) Spadina Road, from 16th Avenue to Boake Trail
 - (x) Ellsworth Avenue, from Regent Street to Regent Street
 - (xi) Shaftsbury Avenue, from Sweet Water Crescent to Springer Drive/Sweet Water Crescent
 - (xii) Rollinghill Road, from Jack Ashton Avenue to Richvalley Crescent
 - (xiii) Spruce Avenue, from Avenue Road to Yonge Street
 - (xiv) Edgar Avenue, from Pearson Avenue to Yonge Street
 - (xv) Garden Avenue, from Fairview Avenue/Pearson Avenue to Yonge Street
 - (xvi) High Tech Road, from Red Maple Road to Silver Linden Drive
 - (xvii) Briggs Avenue, from Queens College Drive/Genuine Lane to Lisa Crescent/Trinity Crescent
 - (xviii) Bantry Avenue, from Melville Street/Sibley Street to Red Maple Road

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Contact Person:

Hubert Ng, P.Eng., Manager of Transportation and Traffic, 905-771-6501, and/or
Ben Robertson, LET, C.E.T., RSP₁, MITE, Supervisor of Traffic Safety and Operations,
905-771-6455

Report Approval:

Submitted by: Kelvin Kwan, MCIP, RPP, Commissioner of Planning and Infrastructure

Approved by: Darlene Joslin, Interim 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:

Pole-mounted radar speed boards are a tool used as part of a community education program to raise awareness of driver travel speeds on various roads. The City has implemented the Pole-Mounted Radar Speed Board Program, which has been well received by residents, 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 land use. The operating speed of approaching road users is displayed electronically on the board and serves as a strong visual reminder to motorists to comply with the posted speed limit of the road. Figure 1 depicts an example of a pole-mounted radar speed boards deployed on a City road.

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 needed and deemed beneficial.

Appendix 1 provides the list of current pole-mounted radar board locations for 2021/2022 that were approved by Council through Staff Report SRPRS.21.066, as well as the radar board locations proposed for 2022/2023.

The process for selecting and prioritizing the new locations is based on an established scoring criteria established through Staff Report SREPW.09.097, which includes a

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combination of community inquiries and requests received throughout the year, as well as an 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 2022-23 program:

- i Regatta Avenue, from Yonge Street to Blackforest Drive;
- ii Coons Road, from Aubrietia Court to Cynthia Crescent;
- iii Kingshill Road, from Grovewood Street to Selleck Drive;
- iv Church Street South, from Major Mackenzie Drive East to Roseview Avenue;
- v Devonsleigh Boulevard, from Luba Avenue to Summicrest Drive/Swan Court;
- vi Crosby Avenue, from Newkirk Road to Neal Drive;
- vii Strathearn Avenue, from 16th Avenue to Boake Trail;
- viii Redstone Road, from Princeton Avenue to Toporowski Avenue;
- ix Spadina Road, from 16th Avenue to Boake Trail;
- x Ellsworth Avenue, from Regent Street to Regent Street;
- xi Shaftsbury Avenue, from Sweet Water Crescent to Springer Drive/Sweet Water Crescent;
- xii Rollinghill Road, from Jack Ashton Avenue to Richvalley Crescent;
- xiii Spruce Avenue, from Avenue Road to Yonge Street;
- xiv Edgar Avenue, from Pearson Avenue to Yonge Street;
- xv Garden Avenue, from Fairview Avenue/Pearson Avenue to Yonge Street;
- xvi High Tech Road, from Red Maple Road to Silver Linden Drive;
- xvii Briggs Avenue, from Queens College Drive/Genuine Lane to Lisa Crescent/Trinity Crescent; and
- xviii Bantry Avenue, from Melville Street/Sibley Street to Red Maple Road.

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 2022-2023 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.

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

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 on City roads.

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 appendices 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 (2021/2022) and Proposed (2022/2023) Locations
- Appendix 2: Staff Report SREPW.09.097
- Appendix 3: City Council Ward Maps showing Proposed (2022/2023) Locations

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Report Approval Details

Document Title:	SRPI.22.022 2022-2023 Pole-Mounted Radar Message Board Program Locations.docx
Attachments:	<ul style="list-style-type: none">- Appendix 1 List of Current (20212022) and Proposed (20222023) Locations.docx- Appendix 2 Staff Report SREPW.09.097.pdf- Appendix 3 Maps.docx
Final Approval Date:	May 23, 2022

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

Dan Terzievski - May 17, 2022 - 5:01 PM

Paolo Masaro - May 18, 2022 - 7:44 AM

Kelvin Kwan - May 18, 2022 - 8:59 AM

Darlene Joslin - May 23, 2022 - 4:21 PM