

THE CORPORATION OF THE TOWN OF GEORGINA

REPORT NO. OI-2023-0028

**FOR THE CONSIDERATION OF
COUNCIL**

November 22, 2023

**SUBJECT: BI-ANNUAL TRAFFIC CONTROL AND PARKING REQUEST WORK
PLAN UPDATE**

1. RECOMMENDATION:

- 1. That Council receive Report No. OI-2023-0028 prepared by the Road Operations Division, Operations & Infrastructure Department, dated November 22, 2023, regarding the Biannual Traffic Report;**
- 2. That Council receive the Speed Hump Pilot Program Update and approve the additional budget of \$25,000.00 funded from the Tax Rate Stabilization Reserve to install 5 more speed humps; and,**
- 3. That staff report back on the Speed Hump Pilot Program in Q3 of 2024 including an amended traffic calming policy.**

2. PURPOSE:

The purpose of this report is to update Council on the status of traffic studies undertaken; new traffic management and parking control requests received since the last update; new initiatives for Traffic Calming; and to recommend work plans to address these requests.

3. BACKGROUND:

The bi-annual traffic report provides Council and residents updates on traffic-related issues and provides recommendations for amendments to existing traffic By-laws, if required.

Many of the requests received from residents involve concerns related to speeding and pedestrian or cyclist safety. Policy RD-18 describes the process to follow upon receipt of a traffic-calming request. Step 1 of Policy RD-18 will be considered first when traffic calming requests are received.

Step 1 –Immediate Traffic Calming Measures

- Installation of Road Watch Signs
- Installation of Radar Speed Board

- Use of the portable speed trailer
- Request York Regional Police enforcement
- Installation of signage: Regulatory Warning and Information
- Road narrowing – Installation of Flexible Traffic Bollards

Step 2 – Local Improvement Traffic Calming Measures

- Raised cross walks
- Speed table/speed humps
- Textured pavement
- Road narrowing – choker lanes
- Increased on street parking if applicable
- Curb radius reductions
- Traffic circles for new developments
- Chicanes
- Diagonal diverters for new developments

In most requests, the above Step 1 initiatives are sufficient to mitigate traffic related concerns (speed, safety etc.). If further initiatives are warranted, staff follow the decision-making Process Flow Chart present in Policy RD-18 for Step 2 initiatives, which are more permanent and structural in nature and often require further community input.

4. ANALYSIS:

The table below summarizes the traffic related service requests the Operations & Infrastructure Department has received and how they are being addressed.

PSR Detail	Description of Request	Analysis	Recommendation
Maple Avenue PSR-22-1777 (05/24/2022)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 52km/h (posted speed of 30km/h). Most vehicles are travelling above the posted speed limit.	Maple Avenue will be added to the digital speed sign rotation.
Annshiela Drive PSR-22-3332 (08/15/2022)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 53km/h (posted speed of 40km/h). Most vehicles are travelling above the posted speed limit.	First Step measures have been taken (digital speed sign) and improvements were observed. The 85 th percentile reduced to 47km/h which is within the speed limit threshold (<=20% above posted limit). Staff will continue to monitor traffic and reassess calming measures as required.
Middle Street PSR-22-1000 (04/06/2022)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 31km/h (posted speed of 40km/h).	No further action required at this time.

		Most vehicles are travelling below the posted speed limit.	
<p>Poplar Avenue</p> <p>PSR-22-1750 (05/22/2022)</p> <p>PSR-22-1869 (05/27/2022)</p>	Speeding concerns; requests for traffic calming	<p>A traffic study conducted shows that the 85th percentile is 33 km/h (posted speed of 30km/h).</p> <p>Vehicles are travelling within the speed limit threshold ($\leq 20\%$ above posted limit).</p>	<p>“No exit” sign was relocated for better visibility.</p> <p>No further action required at this time.</p>
<p>Hedge Road</p> <p>PSR-22-2430 (06/22/2022)</p>	Speeding concerns; requests for traffic calming	<p>A traffic study conducted shows that the 85th percentile is 53km/h (posted speed of 30km/h).</p> <p>Most vehicles are travelling above the posted speed limit.</p>	Hedge Road will be added to the digital speed sign rotation.
<p>Old Shiloh Road</p> <p>MCEA PIC (05/18/2023)</p>	Request for traffic data	<p>A traffic study conducted shows that the 85th percentile is 68km/h (posted speed of 60km/h).</p> <p>Vehicles are travelling within the speed limit threshold ($\leq 20\%$ above posted limit).</p>	No further action needed at this time.
<p>Riveredge Drive</p> <p>PSR-20-4047 (10/15/2020)</p> <p>PSR-23-1409 (05/01/2023)</p>	Speeding concerns; requests for traffic calming	<p>A traffic study conducted shows that the 85th percentile is 45km/h (posted speed of 40km/h).</p> <p>Vehicles are travelling within the speed limit threshold ($\leq 20\%$ above posted limit).</p>	No further action needed at this time.
<p>Laurendale Avenue</p> <p>PSR-22-2237 (06/14/2022)</p>	Speeding concerns; requests for traffic calming	<p>A traffic study conducted shows that the 85th percentile is 48km/h (posted speed of 40km/h).</p> <p>Vehicles are travelling within the speed limit threshold ($\leq 20\%$ above posted limit).</p>	<p>Bollards approved 2022 (C-2022-0143).</p> <p>No further action needed at this time.</p>
<p>Holmes Point Road</p> <p>PSR-22-2769 (07/13/2022)</p>	Speeding concerns; requests for traffic calming	<p>A traffic study conducted shows that the 85th percentile is 35km/h (posted speed of 40km/h).</p> <p>Most vehicles are travelling below the posted speed limit.</p>	No further action needed at this time.

Arlington Drive PSR-21-3931 (09/14/2021)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 47km/h (posted speed of 40km/h). Vehicles are travelling within the speed limit threshold (<=20% above posted limit).	Bollards approved 2023 (C-2023-0231). Bollards proved successful at reducing vehicle speed. No further action required at this time.
Richmond Park Drive PSR-21-3931 (09/14/2021)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 42km/h (posted speed of 40km/h). Vehicles are travelling within the speed limit threshold (<=20% above posted limit).	Bollards approved 2023 (C-2023-0231). Bollards proved successful at reducing vehicle speed. No further action required at this time.
Irene drive PSR-22-2035 (06/06/2022)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 55km/h (posted speed of 40km/h). Most vehicles are travelling above the posted speed limit.	Bollards approved 2023 (C-2023-0231). Consider step 2 measures following review of bollard impact.
Boyers Road PSR-22-2842 (07/18/2022)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 63km/h (posted speed of 50km/h). Most vehicles are travelling above the posted speed limit.	Boyers Road will be added to the digital speed sign rotation.
Catering Road PSR-23-2447 (06/23/2023)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 64km/h (posted speed of 50km/h). Most vehicles are travelling above the posted speed limit.	Catering Road will be added to the digital speed sign rotation.
Fairbank Avenue PSR-23-2662 (07/05/2023)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 51km/h (posted speed of 30km/h). Most vehicles are travelling above the posted speed limit.	Fairbank Avenue will be added to the digital speed sign rotation.

Old Homestead Road PSR-23-3463 (08/17/2023) PSR-23-3476 (08/17/2023)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 48km/h (posted speed of 30km/h). Most vehicles are travelling above the posted speed limit.	Old Homestead Road will be added to the digital speed sign rotation.
Hadden Road PSR-23-2811 (7/13/2023) PSR-23-1898 (5/26/2023)	Speeding concerns; requests for traffic calming	A traffic study conducted shows that the 85 th percentile is 65km/h (posted speed of 40km/h). Most vehicles are travelling above the posted speed limit.	Hadden Road will be added to the digital speed sign rotation.

Speed Hump Pilot Program Update

In September of 2022 Council endorsed the implementation of a Speed Hump Pilot Program through Resolution No. C-2022-0339. This program would allow staff to pilot speed humps as a physical ‘step 2 traffic calming measure’ to determine their effectiveness when installed. Seven speed humps were installed using the initial pilot funds (3 on Riveredge, 4 on Lake Drive). The speed hump pilot program is still underway expected to be finalized summer of 2024, however, staff committed to providing an update in 2023.

Staff aim to expand the Speed Hump Pilot Program to include additional locations on new roads, and in parallel, expand the number of speed humps at existing locations on Lake Drive E. This expansion would include 5 additional speed hump installs. This will allow the program to measure speed and volume impacts in a broader environment to ensure our installation thresholds are optimized for the entirety of the road network. The speed humps have proved to reduce speeds, however, further evaluation and monitoring are required in order for staff to yield more conclusive data surrounding speed hump use and refine a more specific installation criteria that considers varying road types and speed limits. Once finalized, the thresholds and amendment to the traffic calming policy will be brought to Council for approval.

Parking Control:

Staff follow existing Town policies and procedures when requests are received for traffic studies, traffic control or parking control. Procedure RD-9 provides guidance on establishing parking restrictions in accordance with By-law 2002-046.

PSR Detail	Description of Request	Analysis	Recommendation
Birch Road Petition File: 2023003 (06/12/23)	A request to amend Traffic Bylaw 2002-0046 Schedule II "No Parking"	Permit on street parking May 1 to October 1, Sundays from 10 a.m. to noon. All affected properties have been contacted and the petition results received: 40% in support of the parking exemption.	<ul style="list-style-type: none"> • 66% support required for the parking exemption. • Signs and By-law to remain in effect.

Future Initiatives:

LED Roadway Lighting – SLX-Speed Unit

Presented during the 2023 Ontario Good Roads Association (OGRA) conference, this new technology known as LED Roadway Lighting SLX Speed Unit would allow for traffic studies/data to be incorporated into streetlight infrastructure using power from the fixture, while being discrete. Other features which can be included on the same device include noise, air quality and video potential to be utilized for multiple programs. The Town has accepted a pilot program at no cost for 10 sensors for a period of 6 months. This trial will assist in additional data collection for speed and volume studies as well as construction site monitoring. Staff received seven speed micro-sensors, one SLX-video sensor, one SLX-particle sensor (air quality) and one SLX-noise sensor. Pilot to be underway Q4 2023.

York Region Travellers Safety Plan

Staff continue to meet with York Region, CIMA (hired consulting group), and other local municipalities to discuss the evolving York Region Travellers Safety Plan. Designed around the Vision Zero Network, the Safety Plan will be a collaborative effort funded by York Region. This initiative will be most successful when endorsed by all local municipalities within the York Region, working on a shared vision. The Safety Plan is currently under review with the final presentation for stakeholders scheduled for December 5, 2023. A summary will be provided to council during the spring biannual report.

Traffic Bylaw 2002 0046 Consolidation Report

Staff are conducting a traffic by-law audit and identifying all locations where the physical representation of a sign matches the written by-law. A new consolidated traffic bylaw will be presented to Council on November 22, 2023.

Automated Speed Enforcement (ASE)

Staff continue to meet with Regional and Municipal partners, at all levels, to further the understanding on how ASE would best function in the Town of Georgina. Staff expect to provide a more comprehensive update in 2024 on the potential for implementation in Georgina.

5. RELATIONSHIP TO STRATEGIC PLAN:

Creating a Vibrant, Healthy and Safe Community for All – Support a safe, healthy and inclusive community

6. FINACIAL AND BUDGETARY IMPACT:

The request for \$25,000.00 to expand the speed hump pilot program will be funded from the tax rate stabilization reserve.

7. PUBLIC CONSULTANTATION AND NOTICE REQUIREMENTS:

Residents that have inquired for traffic studies, traffic calming measures or other inquiries/requests pursuant to the Town's Policy RD-18, have been advised of the date of the report. Any Town residents/ occupants or property owners that wish to submit such requests or follow up on previous requests are encouraged to contact Service Georgina.

Anytime there is a proposed addition or amendment to the traffic by-law, whether that be a no parking request or stop sign request, a petition is circulated to those property owners affected outlining the proposed impact area.

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Recommended By: Michael Vos, Director, Operations and Infrastructure

Approved By: Ryan Cronsberry, Chief Administrative Officer