

**Priorities Committee Meeting\_Jan26\_2021**

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**STRATEGIC INITIATIVE AND UPDATE****Glen Allan Traffic Calming, Traffic Study, and Recommendations****Report Purpose**

To provide Priorities Committee an update on the Glen Allan traffic calming project, traffic study, and recommendations, including a review of a speed limit reduction.

**Our Prioritized Strategic Goals**

Goal 2 - Manage, invest and plan for sustainable municipal infrastructure

Goal 6 - Provide facilities and services that are available and accessible to residents

Goal 8 - Foster an environment for safe communities

**Report**

Evaluation of traffic safety, traffic management, and traffic calming changes and initiatives is a crucial aspect to ensure the intended outcomes are being achieved. The Glen Allan neighbourhood has undergone transportation network changes to address measurable concerns with speeding and shortcutting traffic. In 2015, Glen Allan underwent an extensive public engagement process to discuss implementation of traffic calming in the neighbourhood.

Within the plan prepared by the consultant, the installation of neighbourhood-wide traffic calming measures was recommended, as well as a speed limit reduction to 40 km/h. Additional traffic studies and public engagement occurred in 2018. As a result of that public engagement and the assessment of the traffic studies, the original traffic calming plan was modified from the original 2015 plan to reflect less aggressive and less costly traffic calming measures.

In June 2019, with a significant portion of the traffic calming planned to be completed in the neighbourhood later that year, Transportation Planning and Engineering (TPE) presented a recommendation report to amend the Speed Control Bylaw to reduce the speed limit within the Glen Allan neighbourhood to 40 km/h. This recommendation was also supported by 75% of those that responded during the public engagement process. At that time, Council made the motion:

"THAT the matter of speed limits in Glen Allan be referred to the Traffic Safety Advisory Committee (TSAC) to provide a report with recommendations for Council's considerations."

In September 2019, TPE brought the matter to the TSAC, who had the following recommendation:

"THAT the Committee will recommend to Council to wait a minimum of three years to see the collected data following the physical traffic calming measures brought forward by Strathcona County before making any changes to the speed limit in Glen Allan."

In the fall of 2020, final traffic calming measures were completed on Georgian Way and additional traffic study data was conducted to evaluate the impacts traffic calming features have had on traffic speed and volume throughout the neighbourhood.

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Traffic study data collected in Glen Allan in 2020 shows that traffic volumes and speeds have decreased at all measured locations and are in alignment with the traffic calming plan and expectations.

The observed 85<sup>th</sup> percentile speeds range from 40.8 – 47.7 km/h throughout the neighbourhood with lower overall volumes of traffic, improved driver behaviour, and compliance with safe systems and best practices in residential traffic safety design. It is clear that the implemented improvements have successfully met the goals of reducing speeds and volumes in the neighbourhood.

On November 16, 2020, the TSAC was presented with the Fall 2020 Volume, Speed Study, and Recommendations Update report and they reaffirmed their original recommendation.

At this time, administration plans to continue assessment of the outcomes of the transportation network changes as well as completion of the final crosswalk upgrade planned on Graham Road with the 2022 road rehabilitation. Additionally, it would be prudent to poll the community through a short survey to solicit resident opinions regarding the effectiveness of the traffic calming measures and to assess the current support for the originally proposed speed limit reduction within the Glen Allan neighbourhood to 40 km/hr.

Administration supports a future amendment to the Speed Control Bylaw to reduce the speed limit in Glen Allan to 40 km/h as per the 2015 plan in consideration of the following strategic plan alignments:

- Strathcona County's Strategic Plan
- Strathcona County's Traffic Calming Policy
- Resident support during traffic calming public engagement
- Design of the traffic calming features set for 40 km/h
- Alignment with regional municipalities and current best practices

To date, the traffic calming measures have been constructed in coordination with annual residential rehabilitation programs, and while there have been challenges with regards to the design and construction process, the initiatives and traffic calming project continue to be completed within originally estimated budget amounts.

### **Council and Committee History**

October 27, 2020	Council gave three readings to Bylaw 51-2020 a bylaw that amends the Speed Control Bylaw 38-2014.
September 29, 2020	Council requested Administration to prepare an amendment bylaw to amend Speed Control Bylaw 38-2014 so that the current speed limit on the north road 52059 known as 1 Avenue, in North Half Moon Lake, is reduced from 50 km/h to 30 km/h.
June 25, 2019	Council requested that the matter of speed limits in Glen Allan be referred to the Traffic Safety Advisory Committee to provide a report with recommendations for Council's consideration.
November 27, 2018	Council gave three readings to Bylaw 39-2018 a bylaw that amends the Speed Control Bylaw 38-2014.
October 23, 2018	Priorities Committee was provided with an update on the Glen Allan Traffic Calming Study.
February 27, 2018	Council gave three readings to Bylaw 6-2018, a bylaw that amends the Speed Control Bylaw 38-2014 in order to implement school zone

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	effective times from 07:30 hours to 16:30 hours within Strathcona County.
October 20, 2015	Council approved the final recommended traffic calming plans for Glen Allan as outlined in Section 9.0 "Recommended Plan" on page 33 of enclosure 1 (Glen Allan Traffic Calming Study) of the October 20, 2015 Transportation and Agriculture Services report be approved.
September 29, 2015	Priorities Committee was provided with an update and final recommendations on the Glen Allan Traffic Calming Study.
October 21, 2014	Council gave three readings to Bylaw 38-2014 Speed Control Bylaw, repealing Bylaws 5-2006, 5-2009, 28-2009 and 40-2012.
August 28, 2012	Council gave three readings to Bylaw 40-2012 Amendment to Speed Control Bylaw 5-2006, changing the speed limit at identified sites throughout Strathcona County.
April 21, 2009	Council gave three readings to Bylaw 28-2009 Amendment to Bylaw 5- 2006 to reduce the maximum speed at which a driver may operate a motor vehicle in urban residential neighbourhoods without sidewalks to 40km/hr.
February 3, 2009	Council gave three readings to Bylaw 5-2009 Amendment to Bylaw 5-2006 to establish a 50km/h speed zone on Township Road 560A (west of Range Road 214 and east of Range Road 220) to accommodate heavy industrial construction activity at Shell Scotford and to install an all-way stop control on Township Road 560A, approximately 1000 metres west of Range Road 214, for the industrial Shell Scotford accesses to the construction hub and vessel dressing areas.
June 13, 2006	Council gave three readings to Speed Control Bylaw 5-2006, repealing Speed Control Bylaw 95-2004, to change the speed limits on Broadmoor Boulevard, Festival Way, Lakeland Drive, Sherwood Drive, Baseline Road/17 Street Jughandle and new county residential subdivisions.

**Other Impacts**

**Policy:** Traffic Calming Policy, Traffic Control Devices

**Legislative/Legal:** Speed Control Bylaw 38-2014 as amended, Alberta Traffic Safety Act

**Interdepartmental:** RCMP and Enforcement Services, Transportation and Agriculture Services, Transit

**Master Plan/Framework:** Integrated Transportation Master Plan, Design and Construction Standards

**Communication Plan**

A communication plan will be developed based on the recommended course of action.

**Enclosures**

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| 1 | Glen Allan Speed and Volume Data Comparisons Before and After Traffic Calming report |
| 2 | Glen Allan Traffic Calming, Traffic Study and Recommendations presentation           |