

# **Glen Allan Traffic Calming, Traffic Study, and Recommendations**

Priorities Committee Meeting  
January 26, 2021

Transportation Planning and Engineering

# Purpose of presentation

- review project background
- update on project status
- project outcomes to date: speed and volume
- speed limit reduction
- next steps

# Glen Allan traffic calming background

- 2015- traffic calming project initiated- Boulevard Consulting
  - extensive engineering assessment and public engagement process
  - recommended aggressive traffic calming features throughout the neighbourhood as well as a speed limit reduction to 40km/h
- 2018- Additional traffic studies and public engagement
- the original traffic calming plan was modified to reflect less aggressive and less costly traffic calming measures

# Traffic calming status

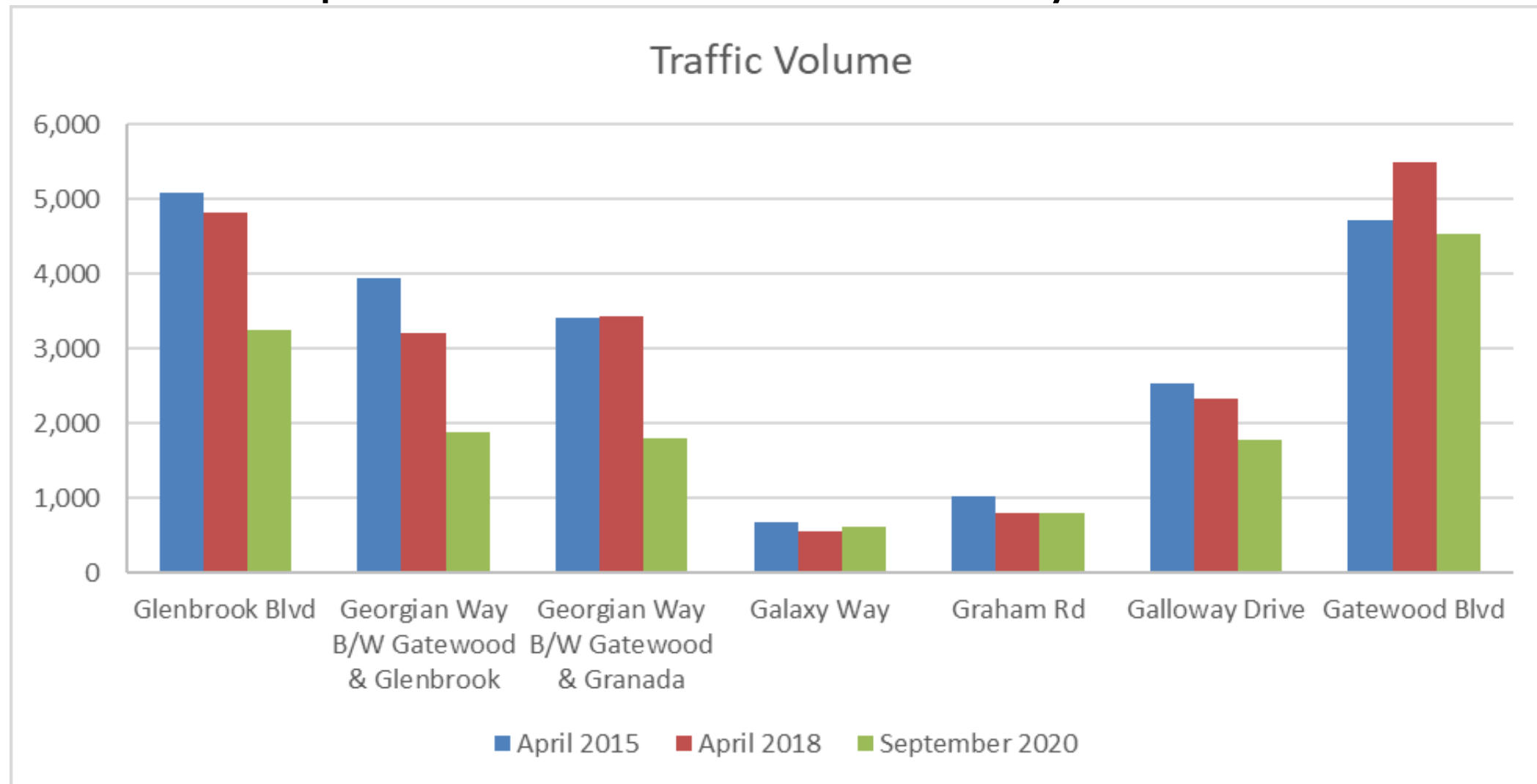
- majority of traffic calming features have now been constructed and designed for 40 km/h speed limit
  - features on Glenbrook Boulevard, Galloway Drive, Georgian Way, and Gatewood Boulevard are complete
  - minor correction of some construction material deficiencies on Galloway Drive will occur in 2021 to align with original design
- final crosswalk upgrade on Graham Road to be installed with rehabilitation planned for 2022
- speed and volume data was collected in 2018 and again in the fall of 2020 to provide ongoing monitoring of driver compliance and behaviour

# Project outcomes to date: speed and volume

- speed/volume studies undertaken in 2018 and 2020
  - compared to data collected prior to project initiation in 2015
- traffic volumes and speeds have decreased significantly
- 85<sup>th</sup> percentile speeds range from 40.8-47.7 km/h
- no additional enforcement demand created – self-governance
- implemented improvements have successfully met the goals of reducing speeds and volumes in the neighbourhood.

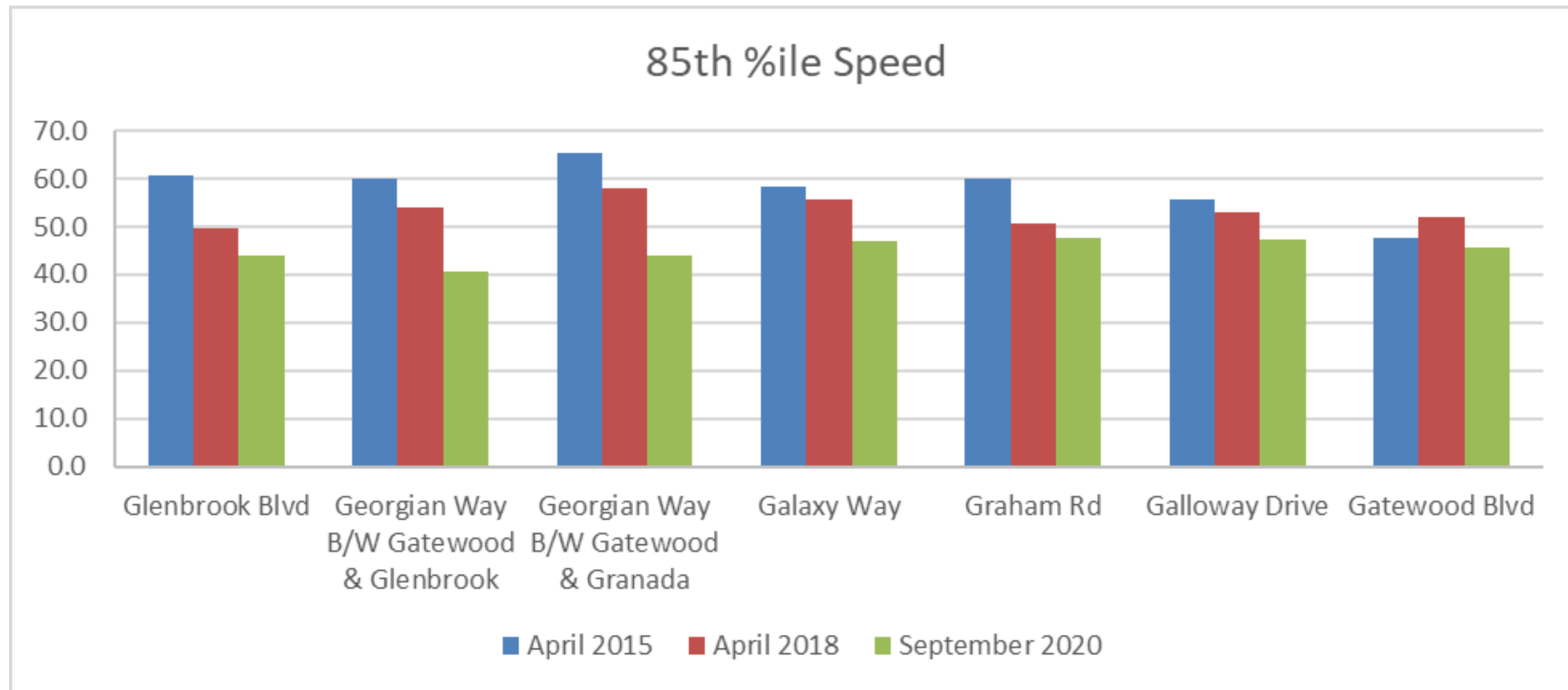
# Glen Allan – volumes

Updated traffic volume study data



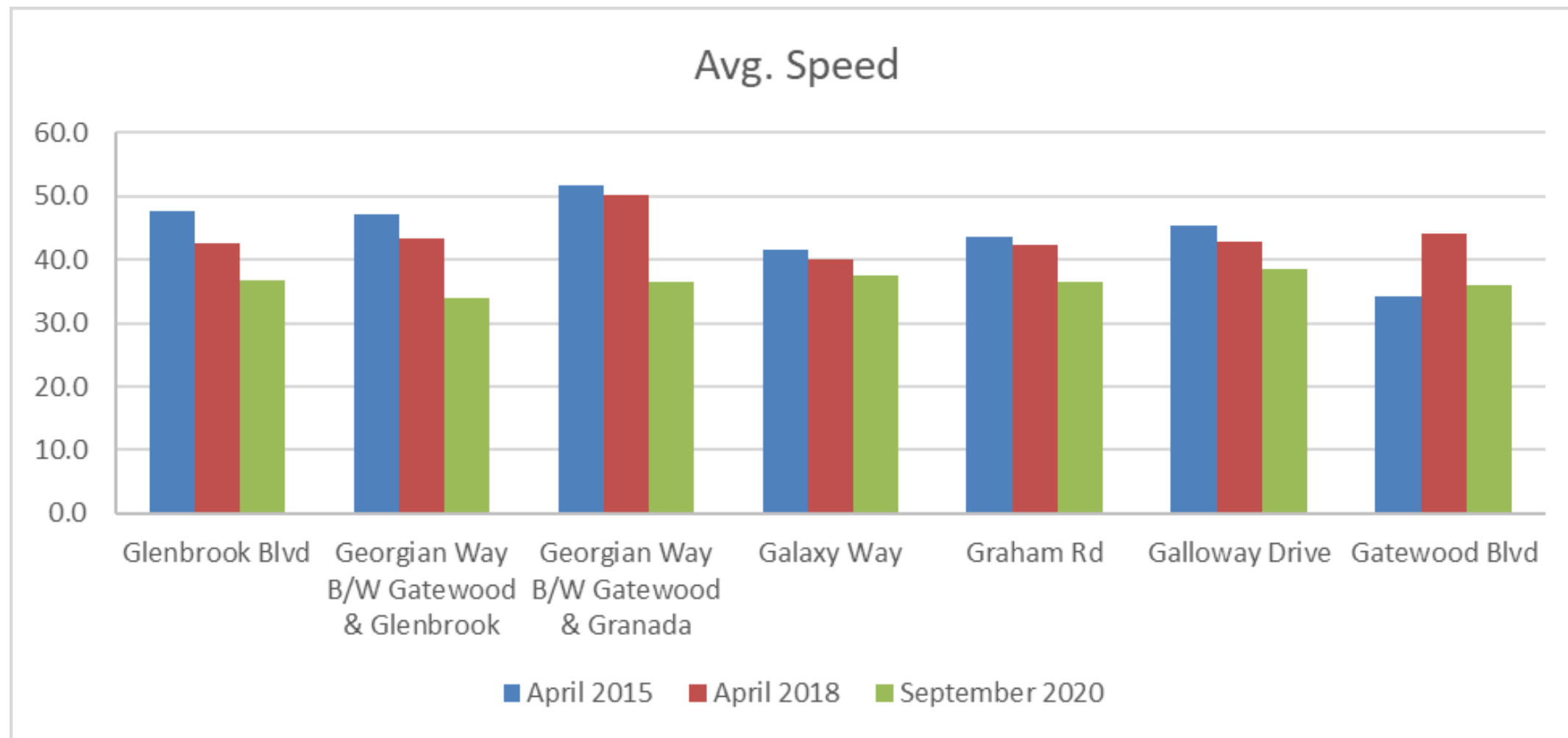
# Glen Allan – 85<sup>th</sup> percentile speed

Updated 85<sup>th</sup> percentile speed study data



# Glen Allan – average speed

Updated average speed study data





# Speed limit reduction background

- June 2019: TPE proposed to amend the Speed Control Bylaw to reduce the neighbourhood speed limit to 40 km/h, as supported during a 2015 public engagement Council request:
  - 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
- September 2019: TSAC 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
- November 2020: TSAC presented with 2020 speed data and reaffirms September 2019 motion

# Why administration supports a 40km/h speed limit?

- aligns with:
  - Strathcona County's Strategic Plan
  - best practice in traffic safety
  - resident feedback
  - design of the traffic calming features
  - other municipalities in the region
- would provide a trial for residential areas in Sherwood Park

# Conclusion

- Administration's perspective:
  - alignment with desired goals and outcomes from the 2015 traffic calming plan
  - improved driver behaviour and compliance with safe systems
  - feasible to support traffic calming projects through existing budgets
- Concurrent evaluation during project implementation:
  - allowed traffic calming to be responsive to resident opinion and an evolving traffic environment
  - ensure the best use of traffic and pedestrian safety resources

# Next steps

- continue to assess the outcomes of the transportation network changes
- complete Graham Road crosswalk 2022
- engage the neighbourhood in 2022
  - mail-out to all homes inviting input through accessible survey
  - resident perspective regarding the outcomes of the traffic calming
  - current support for proposed speed limit reduction to 40 km/hr

# Questions?