

Subject: Haist Street Traffic Calming Pilot Update**Recommendation:**

BE IT RESOLVED THAT Council receive Report #2024-0205-Public Works Haist Street Traffic Calming Pilot Update, for information;

AND THAT Council direct Staff to install permanent speed cushions on Haist Street north of Brewerton;

AND THAT Council direct staff to propose a budget adequate for the provision of traffic calming measures in the 2025 Capital Roads Budget.

Background:

At its regular meeting on November 1, 2023, Council endorsed the following recommendation:

BE IT RESOLVED THAT Council receive Report #2023-0243 Haist Street Speed Report, for information;

AND THAT Council direct staff to implement a uniform 50km/h speed limit on Haist Street between Regional Road 20 and Metler Road;

AND THAT Council direct staff to include a traffic calming capital budget item for Option 3, being the installation of speed cushions on Haist Street in the 2024 Capital Roads Budget.

This report serves to provide Council with an update on the effectiveness of the temporary speed cushions installed on Haist Street north of Brewerton Boulevard in 2024.

Analysis:

Town Staff installed 2 sets of removable rubber speed cushions in the vicinity of 1615 Haist Street in the spring of 2024. Removable cushions were purchased utilizing the 2024 Capital Project RD 11-24 for Traffic Calming to test their overall effectiveness and suitability for use along a given road section or neighbourhood prior to permanent installation utilizing asphalt or concrete.

Traffic studies completed in 2020 in the area of 1615 Haist Street, showed that the average speed for all vehicles was 59km/h and the 85th percentile was 73km/h. This study was repeated in 2023 showing a sharp increase in both the average speed, now 68km/h, and the 85th percentile which was found to be 85km/h.

On September 5th, 2024, a speed study was conducted between the two speed cushions that were spaced approximately 50m apart. The study showed a significant decrease in the average speed to 35km/h. The 85th percentile speed also dropped considerably to 49km/h which is 35km/h lower than the study completed in 2023.

As a result of the speed reductions realized through the pilot project and speed study, staff recommend that the speed cushions be permanently installed in 2025. Permanent speed cushions can be installed by staff utilizing HL3 Asphalt Mix for a cost of \$1700 per set (2 cushions). The total cost of the installation of Haist Street is \$3400.

Staff also recommend that the rubber speed cushions be relocated to Pancake Lane between Haist Street and Hillcrest Park to conduct a similar study prior to this winter season. Pancake Lane has similar characteristics to Haist and other Pelham roads where the road transitions from a rural cross section to an urban residential roadway.

Financial Considerations:

Staff have proposed a \$20,000 project under the Roads Capital Budget for implementing traffic calming measures in 2025. This project would be used to purchase materials and/or contract services in the provision of traffic calming measures.

Alternatives Reviewed:

The pilot project to install speed cushions on Haist Street proved to be effective in a location where passive measures did not produce a similar result. No further alternatives were reviewed.

Strategic Plan Relationship: Infrastructure Investment and Renewal

Maintaining a safe and reliable road network is critical to the Town of Pelham to ensure the safe and efficient movement of all forms of transportation.

Consultation:

No consultation was undertaken in the preparation of this report.

Other Pertinent Reports/Attachments:

Public Works Report #2023-0243 Haist Street Speed Report

Prepared and Recommended by:

Ryan Cook, Dipl.M.M., CRS
Manager of Public Works

Jason Marr, P. Eng.
Director of Public Works

Prepared and Submitted by:

David Cribbs, BA, MA, JD, MPA
Chief Administrative Officer