

2024 NEIGHBOURHOOD TRAFFIC SAFETY PROGRAM UPDATE

Town Council – September 16, 2024

Neighbourhood Traffic Safety Program

The Neighbourhood Traffic Safety Program includes the following major components:

- Automated Speed Enforcement (ASE) Program
- Traffic Calming Program
- Pedestrian Crossovers (PXO)
- Road Safety Initiatives
- Traffic Signal Construction and Optimization
- Traffic Studies and Traffic Data Collection
- Communication and Education Program



Neighbourhood Traffic Safety Program

Requests for Report and Council Directions

The Neighbourhood Traffic Safety Program Update report includes report on the following Council directions:

- Traffic Calming using Local Improvements Act.
- Level 1 Traffic Calming.
- Heritage Way 40 km/h Area Public Consultation.
- Loyalist Trail Neighbourhood Safety Study

Automated Speed Enforcement (ASE)

ASE Program Launch Status

- Speed Camera “Coming Soon” signs – Installed end of August
- Joint Processing Centre (JPC) System Upgrades – In progress
- Town’s Ticket Management System Upgrades – In progress
- ASE By-law – to be presented to Council in October 2024
- ASE Cameras Activation – First week of December 2024



ASE Program Budget

Year	No. of ASE Charges	ASE Budgeted Expense	ASE Budgeted Penalty Amounts
2024	26,700	\$1,883,166	\$1,828,116
2025	40,000	\$2,896,900 ¹	\$2,738,750

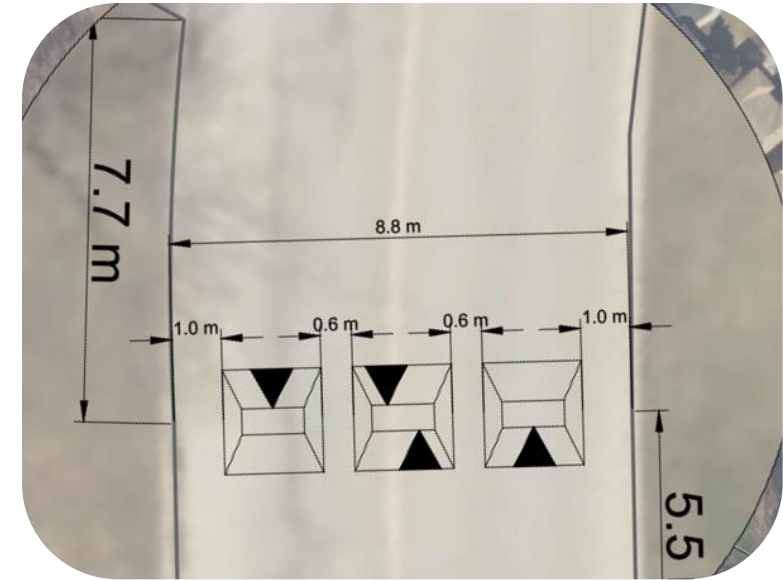
1. Inclusive of \$575,900 in operating requests for staffing resources still to be considered as part of the budget process.

Traffic Calming Program

Traffic Calming on Local and Minor Collector Roads

2024 Progress

- Design and public consultation was completed on the following streets and construction is in progress.
 - Bridge Road from Bronte Road to Stanfield Drive
 - Devon Road from Maple Grove Drive to Brookmill Road.
 - Devon Road from Brookmill Road to Ford Drive.
 - Dunn Street from Trafalgar Road to Randall Street
 - Eden Valley Drive Entire Street.
 - Monks Passage from Nottingham Gate to Monastery Drive.
- Analyzed twenty-six (26) streets, eleven (11) streets met traffic calming speed and volume thresholds.



Traffic Calming Program

Traffic Calming on Local and Minor Collector Roads

2025 Work Plan

- Design and public consultation will be completed on the following streets and construction will follow.
 - Gable Drive from Sheridan Garden Drive to Wynten Way.
 - Grand Boulevard from Eighth Line to Upper Middle Road.
 - Oxford Avenue from Upper Middle Road to McCraney Street.
 - Queen Mary Drive Bond Street to its northerly Limits.
 - River Side Drive from Queen Mary Drive to Oakwood Crescent.
 - Southview Road from Pinegrove Road to Rebecca Street.
 - Stevenson Road from Lakeshore Road West to Burloak Drive.
 - Tennyson Drive from Bridge Road to Tansley Drive.
 - Towne Boulevard from River Glen Boulevard to McDowell Avenue.
 - Trevor Drive from Bridge Road to Waterford Street.
 - Wynten Way- Entire Street.
- Construction will be completed on the streets that meet required support for traffic calming implementation.
- Continue with analysis of new traffic calming requests.

Traffic Calming Program

❑ Level 1 Traffic Calming (New Recommendation)

- The street that fail to meet the traffic calming thresholds by up to 2.0 km/h will be eligible for Level 1 Traffic Calming treatment using.
- In-street flexible signs and Radar Speed Display Sign (RSDS).
- Using planters as a traffic calming treatment is not recommended

❑ Traffic Calming Removal Process (New Recommendation)

- Resident Petition.
- Speed Study Analysis.
- Resident Survey.

❑ Traffic Calming using Local Improvements Act

- Council direction to report back on the opportunity to use Local Improvements Act for implementing traffic calming.
- [Ontario Regulation 586/06; Local Improvement Charges – Priority Lien Status](#)
- Noise attenuation barriers, sewers and watermains, shore protection and construction or improvement of a highway are the projects that can be constructed using Local Improvements Act.
- Local Improvement Charges to fund warranted or unwarranted traffic calming project is not recommended.

Traffic Calming Program

Traffic Calming at Schools on Major Collector and Arterial Roads

2024 Progress

Traffic calming design for following eight school zones will be completed in 2024.

- Oodenawi Public School – Sixteen Mile Drive between Harebell Gate and Trailside Drive.
- St. Matthew Catholic Elementary School – Nottinghill Gate between Pilgrims Way and Runnymead Crescent.
- West Oak Public School – Fourth Line between Glen Valley Road and Westview Terrace/ Brillinger Street.
- Palermo Public School – Valleyridge Drive between Dundas Street W and Highvalley Road.
- Captain R. Wilson Public School – Grand Oak Trail between Westoak Trails Boulevard and Lionstone Drive/Hemmford Drive.
- Pilgrim Wood Public School - Pilgrim Way between Pineway Court/Mapleridge Cres. to Blackburn Drive.
- Forest Trail Public School – Pine Glen Road between Dashwood Drive/Oakhaven Drive to Newcastle Crescent.
- Emily Carr Public School – Pine Glen Road between Postmaster Drive to Castlebrook Road.

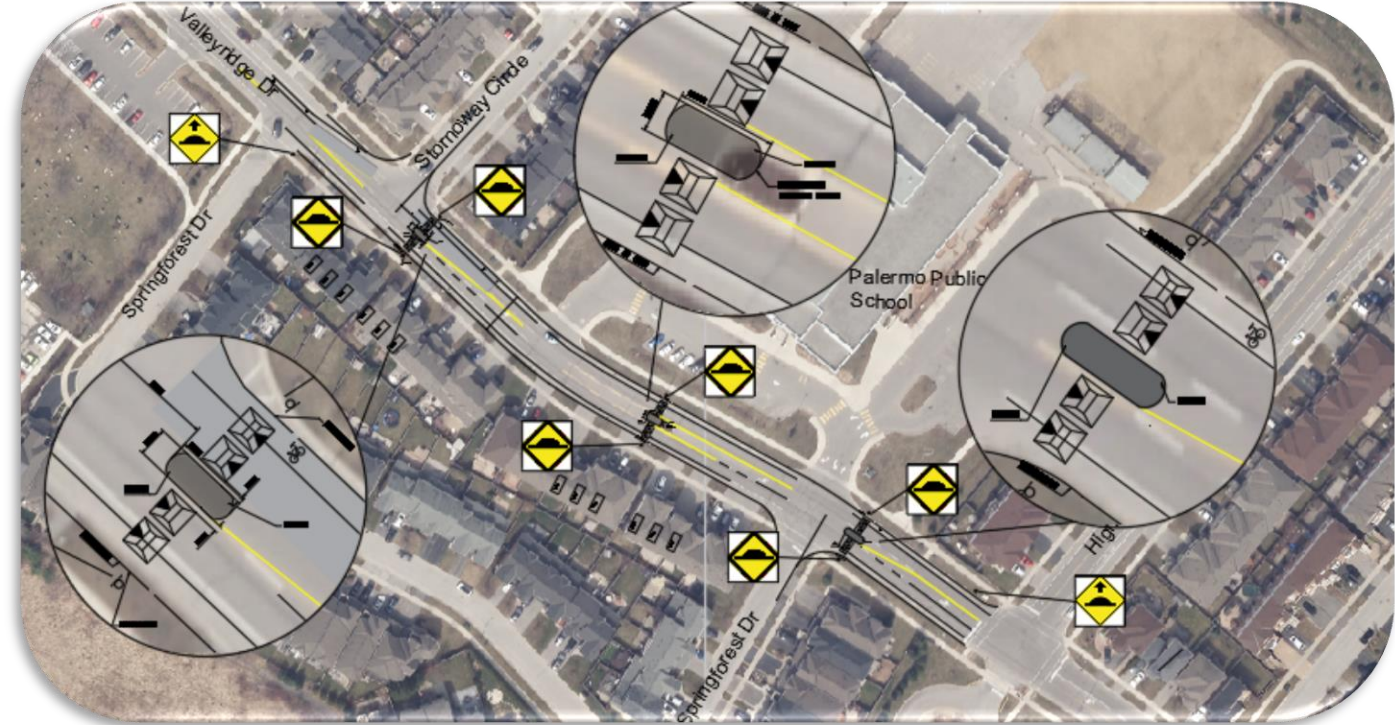
2025 Work Plan

- Construction – 8 Streets
- Design – 4 Streets (for 2026 construction)

Traffic Calming Program

❑ Valleyridge Drive Traffic Calming

- Valleyridge Drive between Dundas Street West and Highvalley Road is a major collector with an elementary school (Palermo Public School).
- Traffic calming measures such as chicanes and curb extensions are not suitable due to closely spaced driveways, bus stops and bicycle lanes.



Speed cushions are recommended on Valleyridge as a one-time exception to the direction regarding speed cushions on major collectors and minor arterial roads.

Pedestrian Crossover (PXO) Construction

2024 Progress

- Construction of fifteen (15) PXOs
- Lighting analysis and design will be completed at 40 existing PXOs and installation at five (5) PXOs.

2025 Work Plan

- Design and construction of fifteen (15) PXOs will be completed in 2025.
- Design and construction of twelve (12) PXOs will be completed in 2025 as part of the Crosstown Heritage Trail construction.
- Design and construction of PXO on Allan Street will be completed in 2025 as part of Wallace Park improvements.
- Lighting analysis, design, and construction five (5) existing PXOs.
- Pedestrian Safety Study Update



Road Safety Initiatives and Community Safety Zones

Road Safety Initiatives

- Marine Drive Safety Assessment - In progress, recommended safety treatments will be implemented in 2025.
- Intersection Improvements - Construction at six (6) all-way stop locations will be completed in 2024.
- Progress Court Intersection Improvements – Design in progress.
- Advance Left-turn Implementations - Implementation in progress.
- Crossing Guard Assessments – three (3) Crossing Guards will be appointed in 2024.
- Leading Pedestrian Interval (LPI) Implementation – Implemented at four (4) intersections.
- In-service Road Safety Reviews – In progress.

Community Safety Zones

2024 Implementations

- Wynten Way – Entire street.
- George Savage Drive between Sixteen Mile Drive and Hibiscus Gardens.

2025 Work Plan

- Staff will conduct assessments for additional received requests in 2024 and 2025.
and report back to Council through the 2025 Neighbourhood Traffic Safety Program Update.



Traffic Signal Construction and Optimization

Traffic Signal and Pedestrian Signal Construction

2024 Progress

- Pedestrian Signal Construction.
- Traffic Signal Construction.

2025 Work Plan

- Pedestrian Signal - Sixteen Mile Drive and Larry Crescent/Isaac Avenue (Pedestrian Signal).
- Pedestrian Signal - Cornwall Road west of Maple Grove Drive.
- Pedestrian Signal - Burloak Drive and Wavecrest Street/ Spruce Avenue.
- Pedestrian Signal - Third Line as part of the Crosstown Trail construction.
- Traffic Signal - Dundas Street and Taunton Road.

Traffic Signal Optimization

- Rebecca Street Signal Performance Measures (SPM) Implementation – In progress.
- Traffic Signal Optimization (Lakeshore Road between Dorval Drive and Allan Street) – In progress.
- Traffic Signal Optimization (Eighth Line and Cornwall Road) – Planned to be completed in 2025.

Traffic Safety Studies and Traffic Data Collection

❑ Traffic Data Collection (2024 Spring & 2024 Fall)

- Turning Movement Counts: Completed – 39 and Scheduled – 117
- Speed Studies: Completed – 98 and Scheduled – 50
- Crossing Guard Counts: Completed – 15 and Scheduled – 8
- Bicycle Counts: Completed – 20 and Scheduled – 20

❑ Traffic Safety Studies

Following safety studies have been completed in 2024.

- Completed Noise Impact Assessment on Eighth Line.
- Completed Loyalist Trail Safety Review.
- Completed West Harbour Safety and Parking Review Study.

❑ Communication and Education

- Pedestrian and Traffic Safety - Ongoing
- Automated Speed Enforcement - Ongoing



2025 Neighbourhood Traffic Safety Program Budget Summary

The 2025 budget requests for Neighbourhood Traffic Safety Program initiatives are summarized in the following table:

2025 Neighbourhood Traffic Safety Capital Budget Consideration

Account	2024 Budget Request
53412401 Traffic Management - Intersections	\$ 340,000
53412402 Pedestrian Crossover Construction Program	\$1,950,000
53412403 Traffic Signal Optimization Program	\$100,000
53412404 Road Safety Program	\$310,000
53412405 Traffic Studies and Monitoring	\$125,000
53412406 Traffic Signal Construction Program	\$610,000
53412407 Traffic Calming Program	\$2,505,000
Total	\$5,940,000

2025 Automated Speed Enforcement Operating Budget Consideration

Program	2025 Budget Request
Automated Speed Enforcement (ASE)	\$2,896,900

1. Inclusive of \$575,900 in operating requests for staffing resources still to be considered as part of the budget process.

Recommendation

“That the continued implementation of the Neighbourhood Traffic Safety Program be considered as part of the 2025 Budget and prioritized along with other known budget pressures”.

Questions?