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Communication

CW(WS) – September 11, 2024

Item No. 1

# Neighbourhood Traffic Calming Policy

Transportation and Fleet Management Services



**ROAD SAFETY PROGRAM**  
Increase road safety and raise public awareness

- 2021 / 2022**
  - In-Service Road Safety and Corridor Operational Review**  
Identify safety measures for priority locations, community areas and corridors
  - Neighbourhood Traffic and Speed Management Plan**  
Improve safety and livability of neighbourhoods by calming traffic
- 2023**
  - Construction Management and Work Zone Safety Plan**  
Develop guidelines to minimize impacts and maximize safety for construction workers and the public
  - Road Safety Strategic Plan**  
Foster partnerships and a data-driven approach for improving safety
- 2024**
  - Network Screening and Annual Report**  
Prioritize safety resources for roads and intersections
  - Automated Speed Enforcement Plan**  
Use technology for enforcement in school zones and other community areas
  - Speed Compliance Plan**  
Address speeding behaviour with feedback to drivers
- 2025**
  - Low-Cost Safety Countermeasures Plan**  
Implement low-cost measures such as pavement markings, signage, etc.
- 2026**
  - Rail Transportation and Safety Plan**  
Improve mobility while minimizing noise at crossings near residential area
  - Heavy Traffic and Truck Routing Plan**  
Manage heavy vehicle and truck transport throughout the city

**MOBILITY MANAGEMENT PROGRAM**  
Improve efficiency through innovation and technology


- 2021 / 2022**
  - Traffic Signal Control System and Upgrades**  
Establish a traffic signal control system and upgrade field equipment
  - Pavement Markings and Signs**  
Replace and optimize markings and signs
- 2024**
  - Establish parking policies and procedures throughout the city**
  - Traffic By-Law Consolidation**  
Consolidate the City's road-related by-laws
  - Intelligent Transportation System (ITS) Strategy and Plan**  
Establish a roll-out plan for existing and emerging smart mobility technologies
  - 2024**
    - Traveller Information Systems**  
Generate and present data to support travellers

**SUSTAINABLE MOBILITY PROGRAM**  
Support active and sustainable transportation

- 2021 / 2022**
  - School Crossing Guards**  
Manage the City's school crossing guard program
  - Safer School Zones Plan**  
Develop and implement safety measures near schools for traffic, pedestrians, and pick-ups/drop-offs
- 2024**
  - Develop guidelines to create and operate community safety zones**
  - Cycling Network Expansion**  
Optimize and upgrade the City's cycling infrastructure
  - Travel Demand Management Plan**  
Share insights and decisions for the City's travel demand management plan

**TRAFFIC DATA MANAGEMENT PROGRAM**  
Support active and sustainable transportation

- 2021 / 2022**
  - Traffic Data Needs Assessment**  
Identify traffic data requirements to support the MoveSmart Strategy
  - Traffic Data Management System**  
Procure and implement a traffic data management system
- 2023**
  - Traffic Data Services**  
Enhance the City's traffic data collection programs and contracts



**Neighbourhood Traffic and Speed Management Plan**  
Improve safety and livability of neighbourhoods by calming traffic

Plan  
Infrastructure



**COMMUNICATIONS AND PUBLIC AWARENESS INITIATIVE**  
Ongoing awareness of tangible benefits through communication and education

# MOVESMART

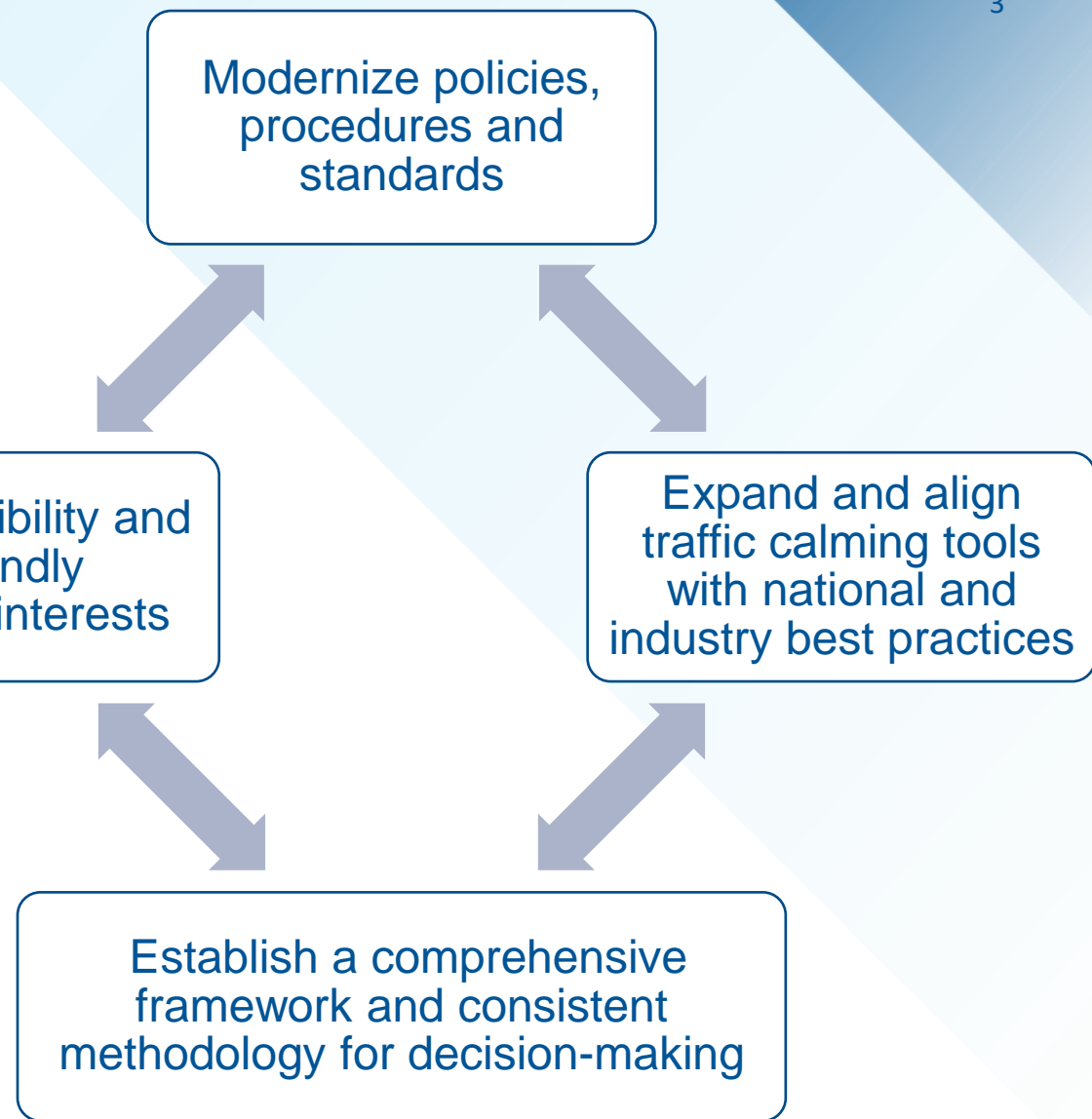
## Mobility Management Strategy





# Plan Purpose

**The Neighbourhood Traffic Calming Plan was developed to guide the City's traffic calming program and advance road safety and mobility across its road network.**



# Policy Development Process & Deliverables



Fall 2022 – Winter 2023

**Phase 1:**  
Background Review,  
Asset Condition  
Assessment and Data  
Analysis



Winter 2023 – Spring 2023

**Phase 2:**  
Preliminary Policies,  
Procedures, and  
Toolbox



Summer 2023 – Fall 2023

**Phase 3:**  
Neighbourhood Pilot  
Projects



Winter 2024 – Spring 2024

**Phase 4:**  
Toolbox and Design  
Guidelines



Summer 2024 – Fall 2024

**Phase 5:**  
Final Policies,  
Procedures, Toolbox  
and Guidelines



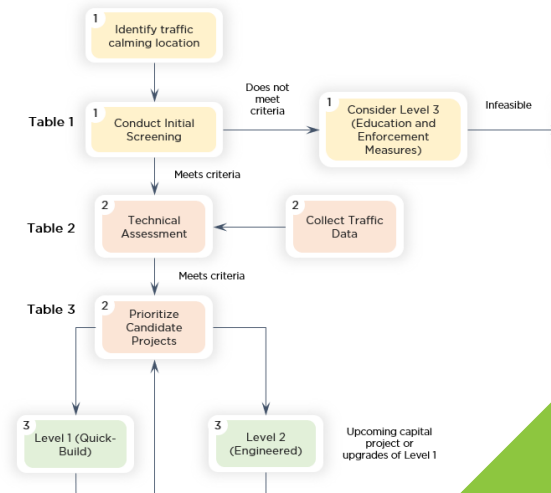
- 2000+ Residents Engaged
- Technical Advisory Committee
- Committee Presentations
- Public and Stakeholder Surveys
- Public Education Workshops
- Virtual Meetings
- Pop-Up Booths
- Walking Tours
- Social Media Campaigns

# The Traffic Calming Policy



Identify and Implement

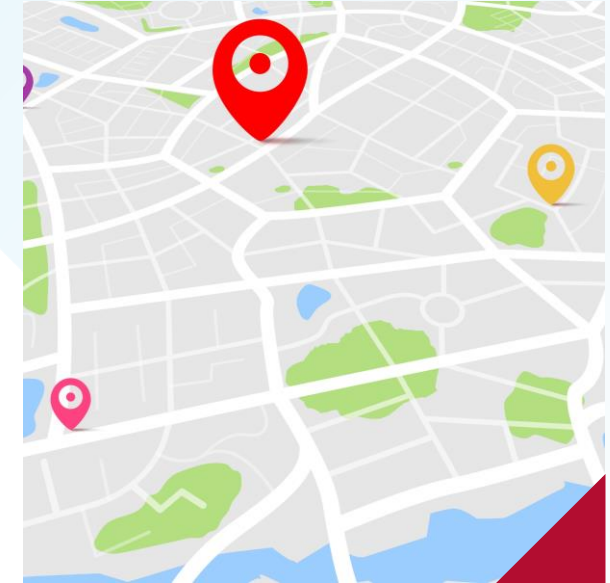
## Traffic Calming Process



Streamline



Prioritize



Apply

# Policy Principles

- ✓ Establish uniform application and delivery of Traffic Calming and apply a neighbourhood methodology to the process.
- ✓ Use a data-driven and standardized approach to prioritize road segments for traffic calming.
- ✓ Minimize the need for traffic-calming retrofits through road design to enhance safety.

# Traffic Calming Eligibility and Prioritization



**Eligibility criteria** to screen and identify roads eligible for traffic calming



Apply a **data-driven** Risk Scoring Matrix to determine points and appropriate measures as per Traffic Calming Procedures.



**Prioritization** of projects based on points and resources





# Neighbourhood Pilot Projects

8% - 30% Speed Reduction

70+ Installments

1500+ Engaged Residents

10+ Tours and Events





# Traffic Calming Toolbox of Measures

Level 1  
Passive  
Measures

Level 2 Permanent  
Quick Build

Level 3  
Permanent  
Design-Build

Supplementary

Enforcement



# Supplementary Education and Enforcement

Radar  
Message  
Boards



Boulevard  
Signs /  
Silhouettes



Active School  
Program



Education  
Campaigns



Community  
Safety Zones  
(CSZ)



Automated  
Speed  
Enforcement



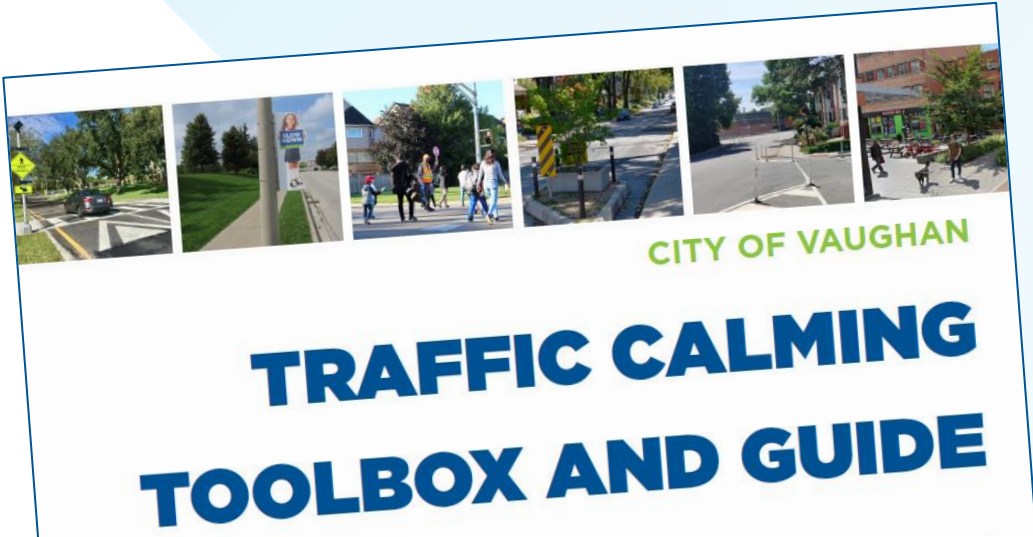
# Traffic Calming in New Developments

New developments will be designed with road safety in mind

Implementation through Vaughan's Official Plan and Complete Streets Guidelines

Update relevant design guidelines, development review requirements and engineering standards

Alignment with York Region Vision Zero Traveller Safety Plan



Level 2 (Permanent, Lower Cost Engineered) Measures

## Permanent Speed Cushions (Asphalt)



Permanent speed cushions are a narrower version of a speed hump. They consist of a series of raised cushions placed across the roadway, creating an obstacle that requires drivers to slow down. Unlike traditional speed humps, speed cushions offer a smoother ride for emergency vehicles and buses, allowing them to pass unimpeded due to their wider wheelbase.

Best Implemented In (Applicability)	
Road Classification	<ul style="list-style-type: none"> <li>Local streets</li> <li>Collector streets</li> </ul>
Traffic Conditions	<ul style="list-style-type: none"> <li>Posted speed limit ≤ 50 km/h</li> <li>All traffic volumes</li> </ul>
Roadway	<ul style="list-style-type: none"> <li>Urban cross-section – curb and gutter</li> </ul>

**Effectiveness**

**Speed Reduction** (Up to 8 km/h) High

**Volume Reduction** CMF: 0.6 ★★★★★  
The amount of traffic diversion depends on the number of measures along the roadway. Traffic may be diverted to parallel streets without traffic calming measures. (Source: [Click Here](#))

**Conflict Reduction** Med

- |   |   |
|---|---|
| <p><b>Advantages</b></p> <ul style="list-style-type: none"> <li>✓ Reduces vehicle speed.</li> <li>✓ Reduces traffic volumes.</li> <li>✓ Speed cushions do not affect emergency vehicles' response times.</li> <li>✓ Speed tables can be used in combination with high-visibility crosswalks.</li> </ul> | <p><b>Disadvantages</b></p> <ul style="list-style-type: none"> <li>✗ Could affect snow plowing operations.</li> <li>✗ Requires precise construction to ensure correct spacing (in comparison to speed tables).</li> <li>✗ Increased gas consumption.</li> </ul> |
|---|---|



# Communications and Engagement

Continue engagement with residents and stakeholders

Promote road safety through education and awareness campaigns

Comprehensive engagement and communications for capital projects

## Walking Tour & Design Workshop

Join us as we take a tour around the community and identify key areas of concerns.

- **Date:** June 6<sup>th</sup>
- **Time:** 6 – 8 pm
- **Location:** Secord Park

**Address:** 15 Secord Ave, Woodbridge, ON L4H 3N5



Meet us by the Gazebo.



### Project Overview

New Kleinburg was selected as one of the five pilot neighbourhoods to test out new traffic calming tools and measures. Pilot neighbourhoods were selected through a screening process and data review. In finalizing the five pilot neighbourhoods, several consultations were engaged with City Staff, Councillors and community members.

During the pilot phase, the City will engage with the residents who live in New Kleinburg to identify key areas of concern and develop solutions to address those issues. All community members are welcomed to provide their input through upcoming public consultations.

The goal the pilot test is to identify 'quick-build' traffic calming measures that can be installed within a short amount of time and be evaluated on how the solutions are working.

Traffic calming measures will be temporarily installed in the summer of 2023 and actively monitored until the spring of 2024. The purpose of monitoring the pilot test is to show how traffic calming measures impact driver behavior and traffic patterns.

### Potential Examples of 'Quick-Build' Traffic Calming Tools



Planter Boxes



On-road Messaging



Year-Round Flexi Post

### Stay Involved

We are inviting residents to provide us with ongoing feedback using the SitePodium app. You can receive real-time updates about the project and provide your comments on the traffic calming measures.

Download the Sitepodium app with the QR Code and you can place your feedback at the touch of your fingertips!



Scan this code to download the SitePodium App!



[vaughan.ca/NeighbourhoodPlan](https://vaughan.ca/NeighbourhoodPlan)



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Thank You