

COMMITTEE OF THE WHOLE (WS) – MARCH 6, 2024

COMMUNICATIONS

Distributed March 1, 2024

Item No.

C1. Presentation material

1

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Please note there may be further Communications.

C 1

Communication

CW(WS) – March 6, 2024

Item No. 1

Committee of the Whole
(Working Session)
Wednesday, March 6, 2024

2024 Annual Report

MOVESMART

MOBILITY MANAGEMENT STRATEGY





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



Update Streetlights

Continue LED retrofit with smart adaptive features

2023



Traffic Signal Operations and Maintenance

Maximize the efficiency of traffic signal operations



Curbside Parking Management

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



Input into Development Planning

Provide insights to help the City's planning for future development

2023



Pedestrian Infrastructure Enhancement Plan

Optimize and upgrade the City's pedestrian infrastructure



Creation of Community Safety Zones

Develop guidelines to create and operate community safety zones

2024



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

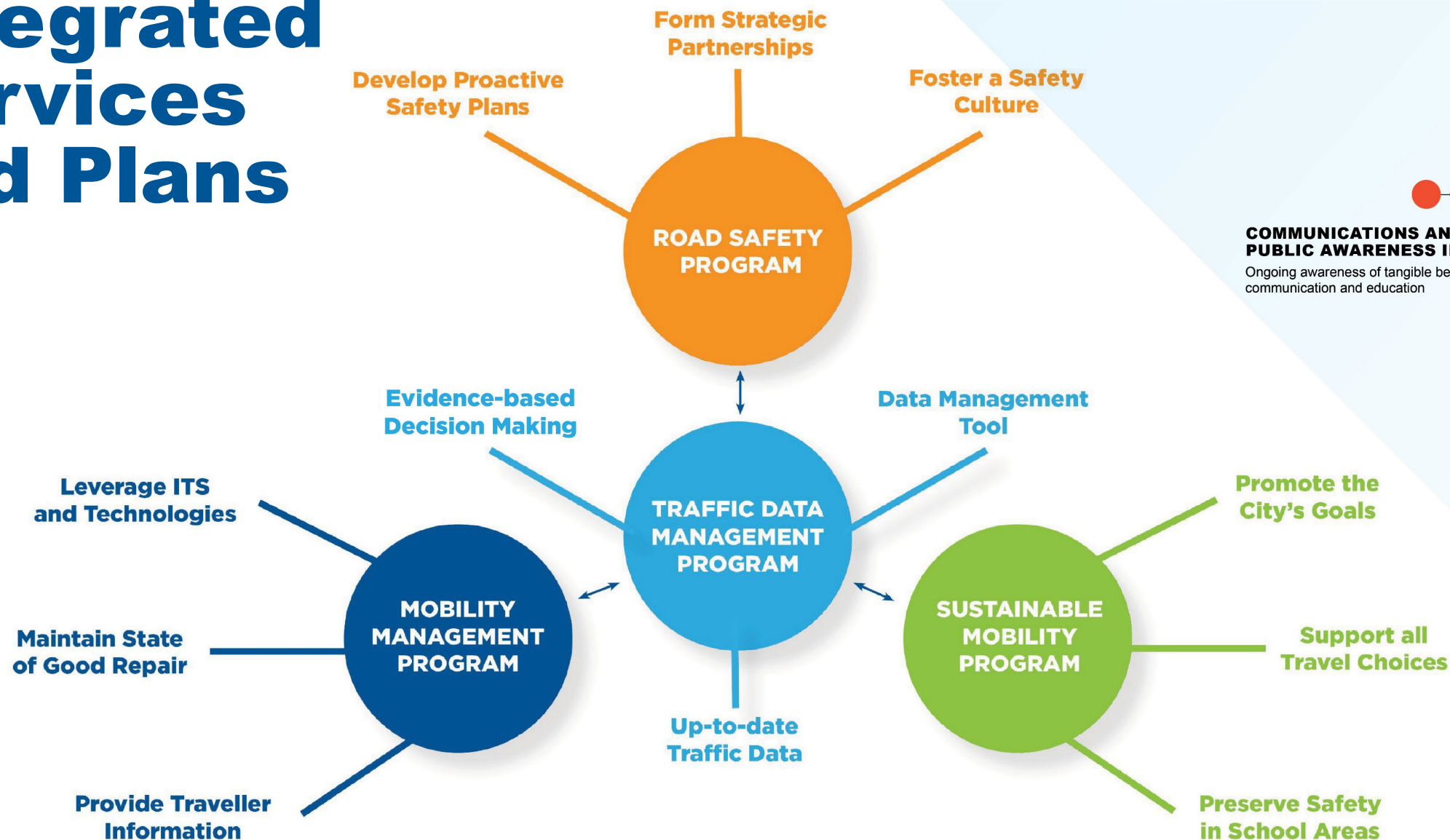


COMMUNICATIONS AND PUBLIC AWARENESS INITIATIVE

Ongoing awareness of tangible benefits through communication and education

MOVESMART Mobility Management Strategy

Integrated Services and Plans



COMMUNICATIONS AND PUBLIC AWARENESS INITIATIVE

Ongoing awareness of tangible benefits through communication and education

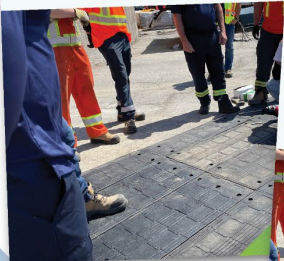
Road Safety Program

2023 Accomplishments

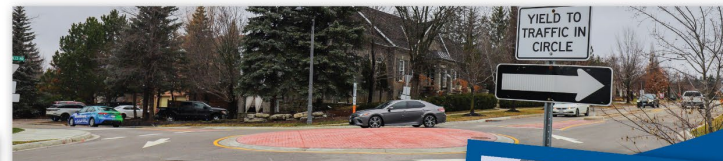
- ✓ Received Council approval on the Automated Speed Enforcement implementation plan and Community Safety Zones Policy
- ✓ Advanced the Neighbourhood Traffic Calming Plan – pilot measures and policy update



Installing traffic calming measures in five Vaughan neighbourhoods
vaughan.ca/NeighbourhoodPlan

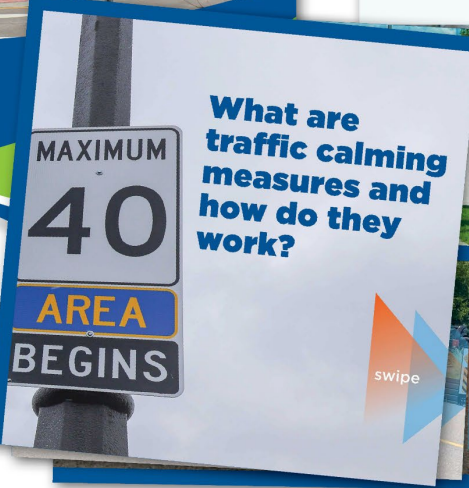


Installing traffic calming measures in five Vaughan neighbourhoods



NOTICE

Your neighbourhood has been selected as a pilot location for the City of Vaughan's Neighbourhood Traffic Calming Plan



What are traffic calming measures and how do they work?

swipe

See ice or snow?
Drive slow!
vaughan.ca/SlowDownVaughan



See ice or snow?
Drive slow!

Road Safety Program 2023 Accomplishments continued

- ✓ Completed six Corridor Reviews (three urban and three rural)
- ✓ Collaborated on York Region's Traveller Safety Plan with local municipal partners
- ✓ Continued implementation of the Speed Limit Policy – 40 km/h area neighbourhoods, speed reductions in 10 blocks and 25 streets

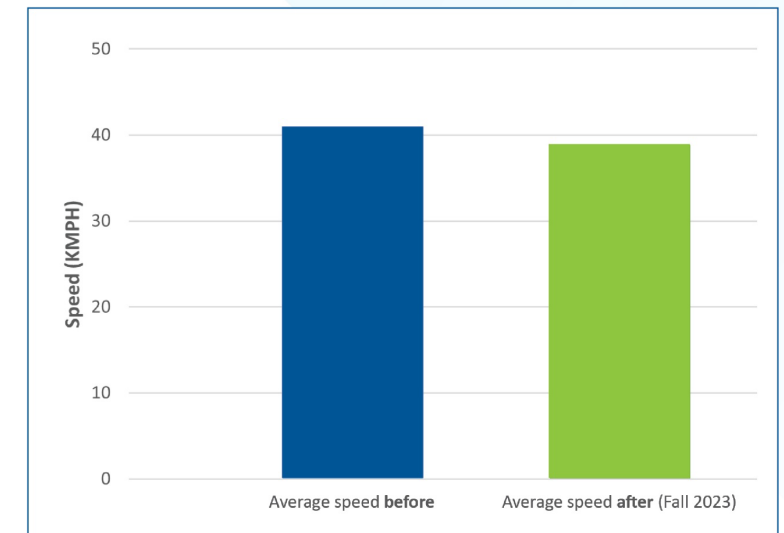


Road Safety Program

Actions for 2024

- Establish candidate sites for the Automated Speed Enforcement launch – Q4
- Finalize the updated Neighbourhood Traffic Calming Plan Policy and report to Committee – Q4
- Launch new Corridor Reviews (Martin Grove Road and Huntington Road)
- Start implementing recommendations from York Region's Traveller Safety Plan
- Continue with lowering neighbourhood speed limits to 40 km/h as part of the Speed Limit Policy
- Launch Construction Management and Work Zone Safety Plan

Average speed in Neighbourhood Traffic Calming Plan pilot locations

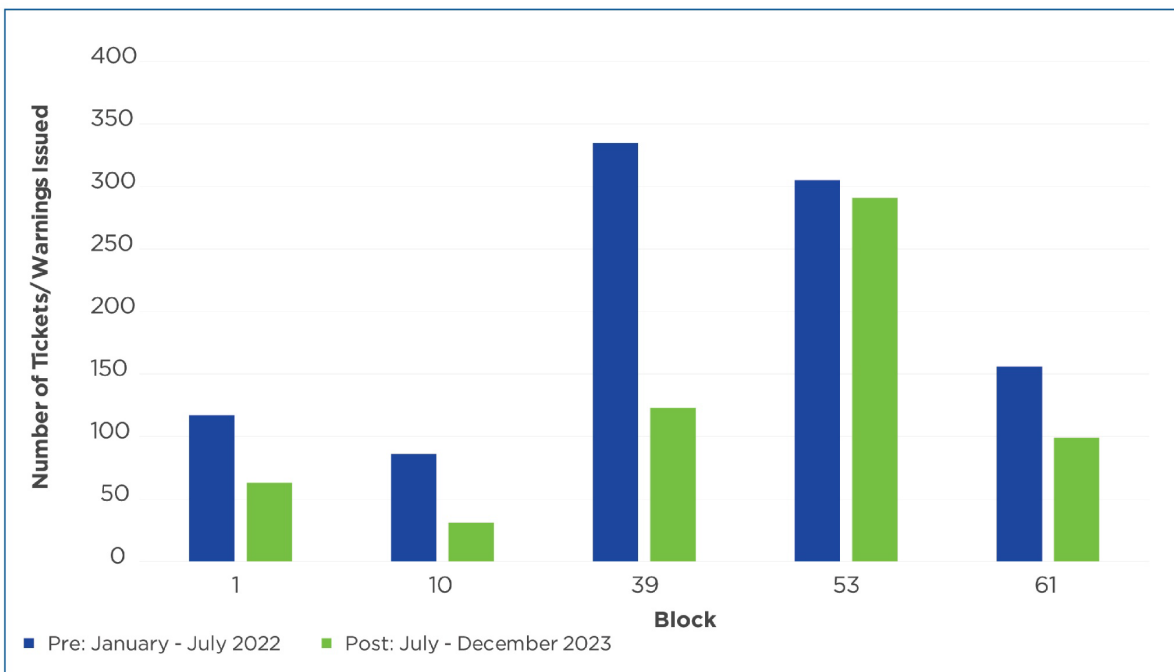


Average speed **decreased by 5 per cent** across pilot locations.

York Regional Police Data

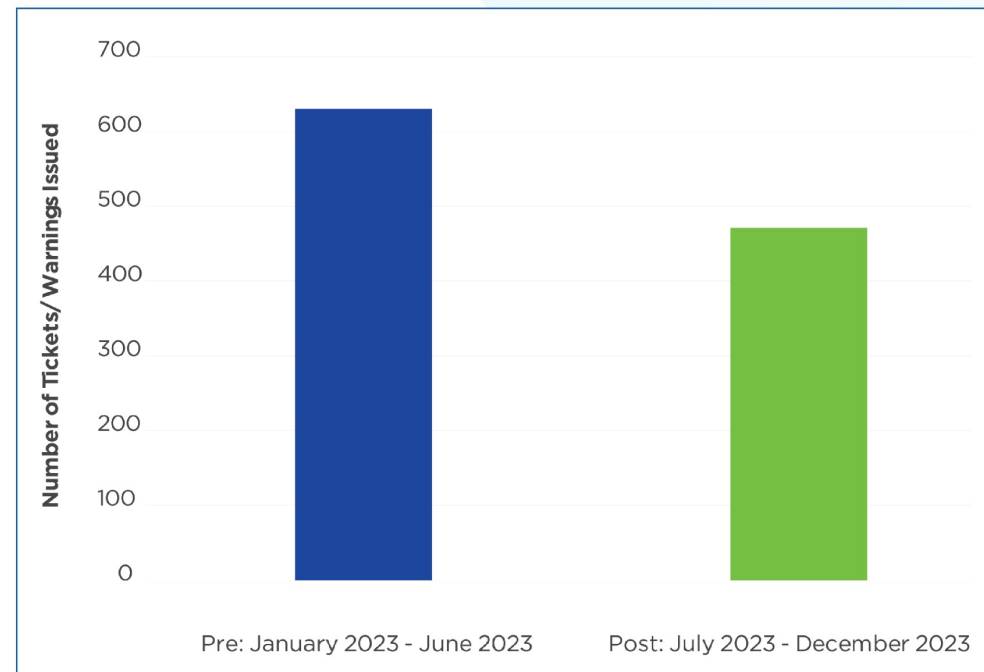
Neighbourhoods with 40 km/h speed limits

Phase 1: Speeding tickets and warnings



Continue to note a decrease in total speeding and warning tickets in Phase 1 - a **39 per cent decrease** in 2023

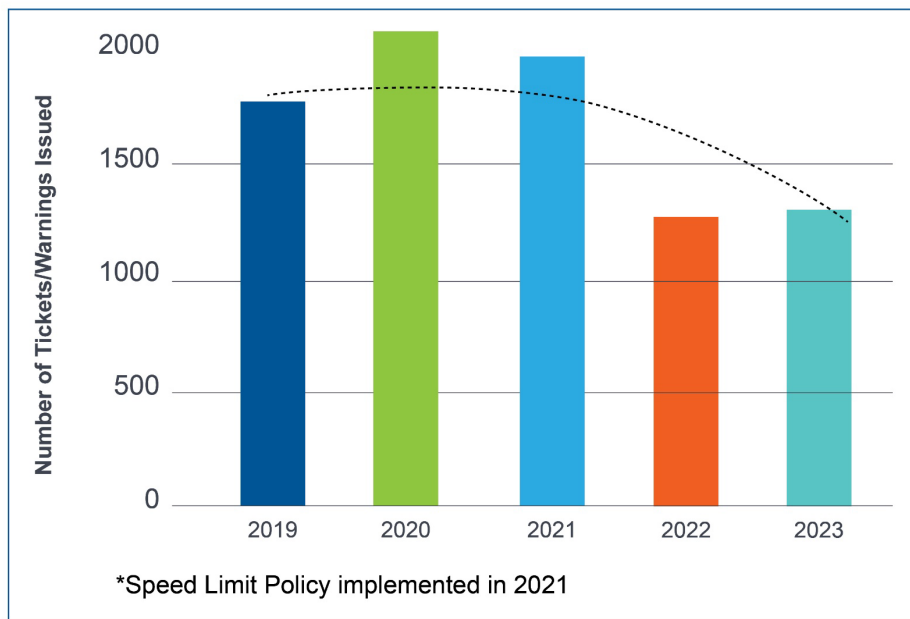
Phase 2: Speeding tickets and warnings



A **25 per cent decrease** in total speeding and warning tickets in Phase 2

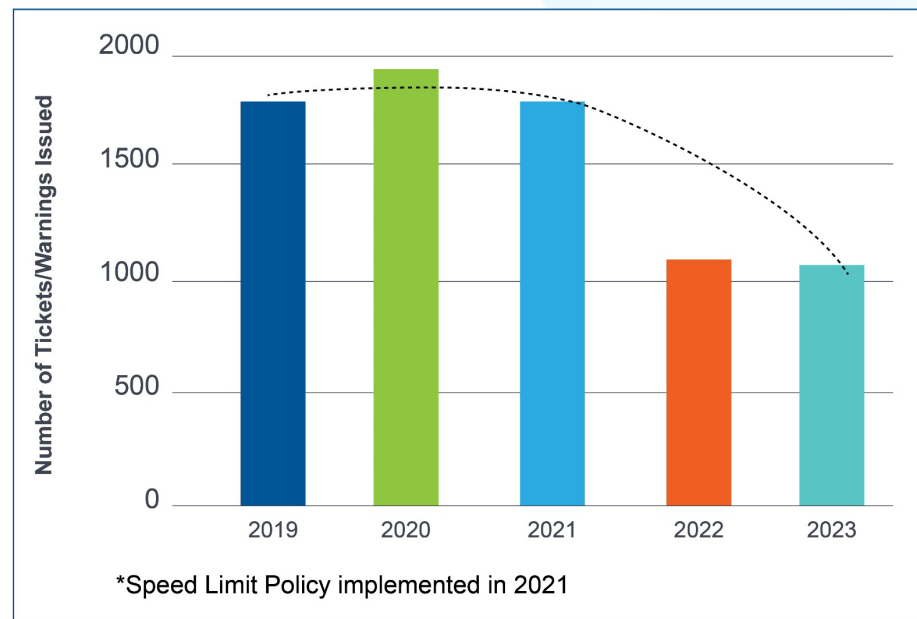
York Regional Police Data (2019-2023)

Area 40 **Phase 1**: Speeding tickets and warnings



A **26 per cent decrease** from 2019 to 2023 in speeding tickets and warnings since implementing various traffic calming measures within Phase 1

Area 40 **Phase 2**: Speeding tickets and warnings

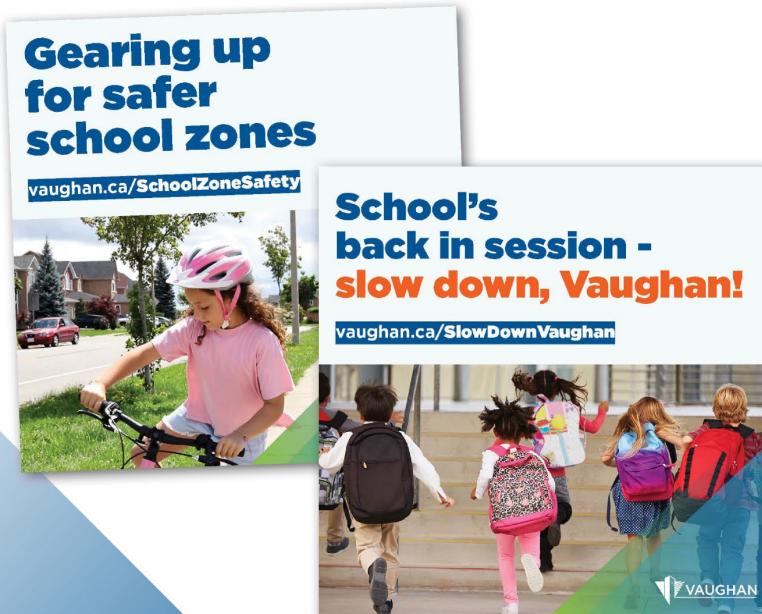


A **42 per cent decrease** from 2019 to 2023 in speeding tickets and warnings since implementing various traffic calming measures within Phase 2

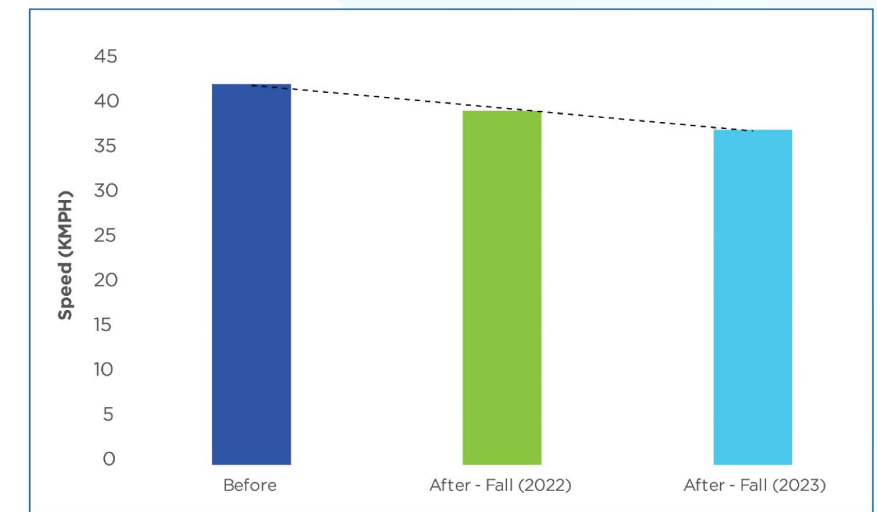
Sustainable Mobility Program

2023 Accomplishments

- ✓ Completed the Community Safety Zone Policy
- ✓ Finalized recommendations for the Safer School Zones Plan



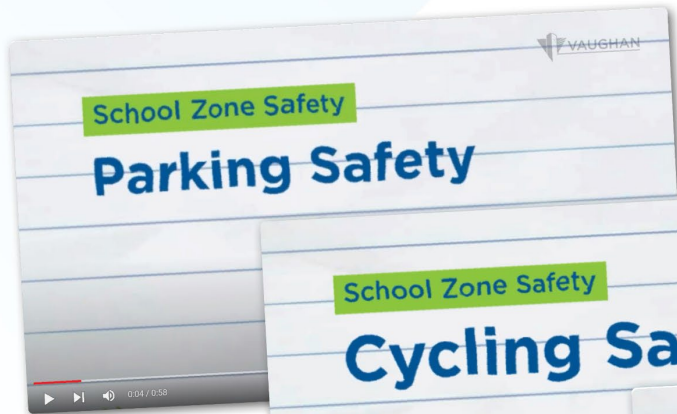
Average speed at various traffic calming locations



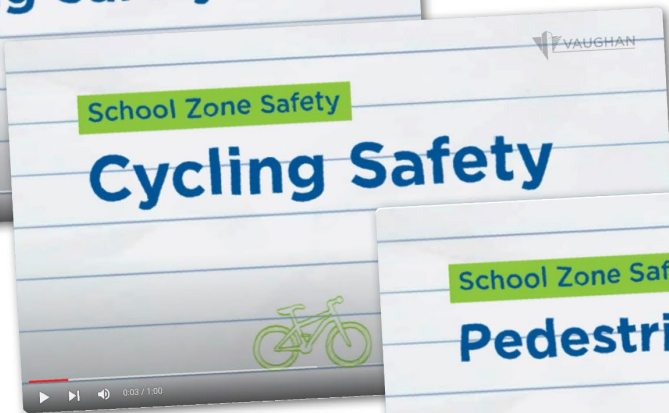
Average speeds **decreased by 5 per cent** after traffic calming measures were implemented in 40 km/h neighbourhoods, Active School Travel pilot locations, and individual locations where flex posts, signs, pavement markings and other traffic calming measures were implemented.

Sustainable Mobility Program 2023 Accomplishments continued

- ✓ Launched the Pedestrian Enhancement Plan
- ✓ Completed assessment of the Active School Travel pilot
- ✓ Created three road safety back-to-school videos with stakeholders



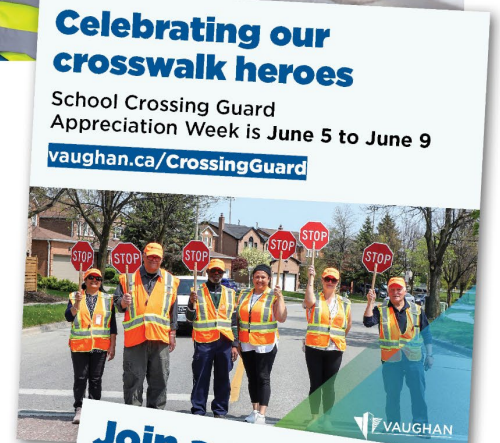
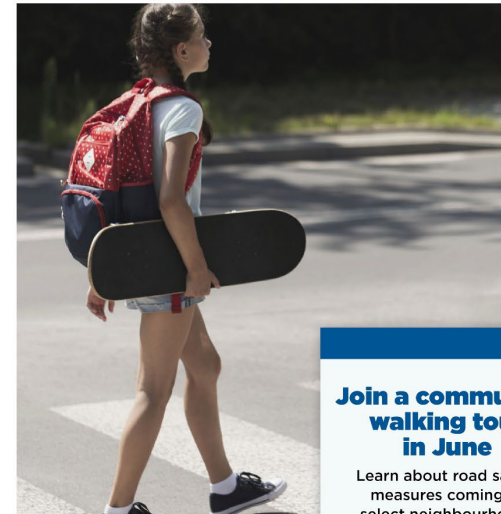
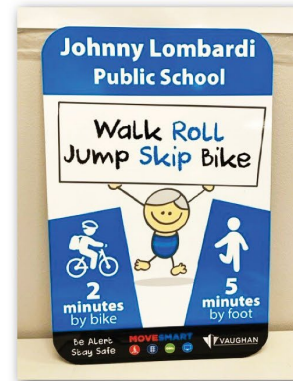
Get an A+ in school zone parking



Gearing up for safer school zones



Drive with care this school year

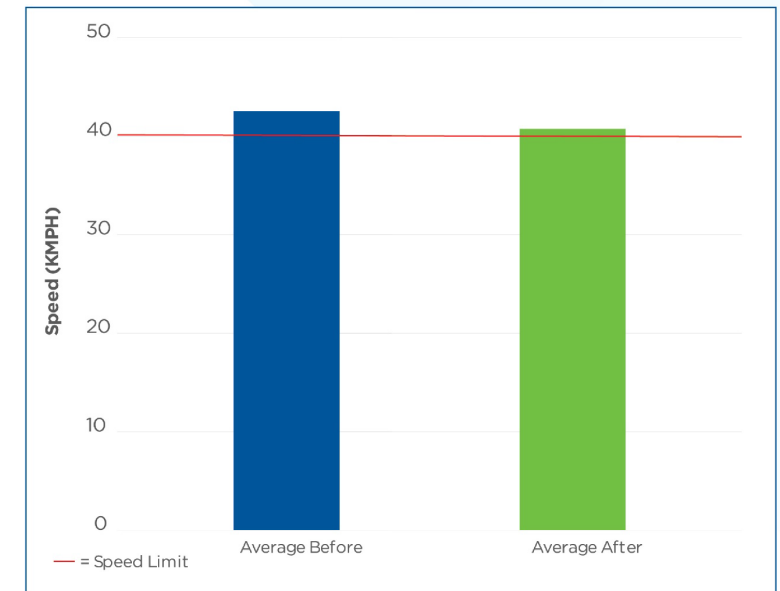


Sustainable Mobility Program

Actions for 2024

- **Safer School Zones Plan:** Implement short-term recommendations and continue community engagement
- **Pedestrian Enhancement Plan:** Develop a framework for the selection of suitable pedestrian crossing treatments
- **Active School Travel program:** New locations
- **Cycling Network Expansion:** Partnership with Infrastructure Planning and Corporate Asset Management (IPCAM)
- **Travel Demand Management Plan:** Launch

Average speed at AST locations



- Studies at Active School Travel schools continue to show the trend of reduced vehicle speeds
- Average speed **decreased to 41 km/h** after traffic calming measures were implemented in pilot locations

Mobility Management Program

2023 Accomplishments

- ✓ **Advanced Traffic Management System** – procurement approval to advance the City's vision of an Intelligent Transportation System

Improvements:

- ✓ Serviced and maintained **26,000** streetlights
- ✓ Completed **two** rounds of inspections at **96** traffic signals
- ✓ Painted **802,000 metres** of new or refreshed pavement markings
- ✓ Inspected **18,000** traffic signs



Mobility Management Program

Actions for 2024

- Integrate the Advanced Traffic Management System and upgrade of field equipment
- Continue work on the By-law Consolidation and Parking Management Plan with By-law and Compliance, Licensing and Permit Services



Traffic Data Management Program

2023 Accomplishments

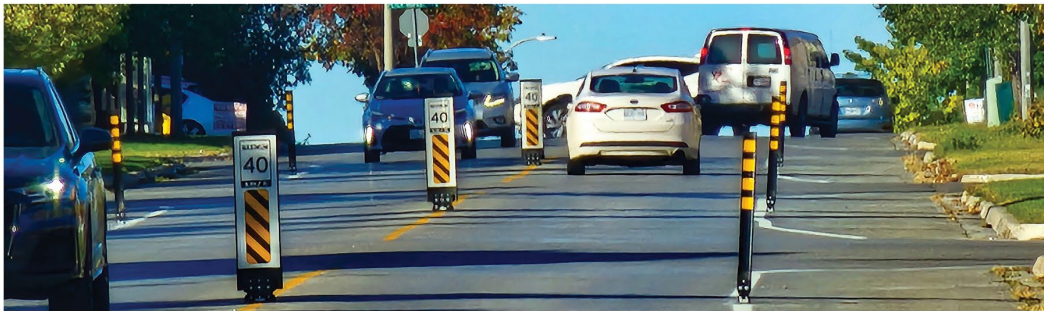
- ✓ Implemented a cloud-based Traffic Engineering Software in partnership with York Region and other local partners
- ✓ Expanded the traffic data program
- ✓ Leveraged new software and analytics
- ✓ Partnered with York University students and York Regional Police



Traffic Data Management Program

Actions for 2024

- Enhance traffic data collection programs using innovative technologies
- Continue to refine and establish key performance indicators
- Collaborate with IPCAM on Data Management Strategy



Example of Networking Screening data



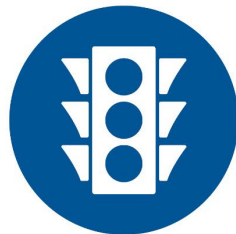
Communications and Public Awareness

- ✓ Continued ongoing communications and public awareness of MoveSmart initiatives
- ✓ Created three school zone safety videos
- ✓ Employed modern engagement solutions to share project updates with the community
- ✓ Promoted York Region's Road Watch Program





ROAD SAFETY PROGRAM



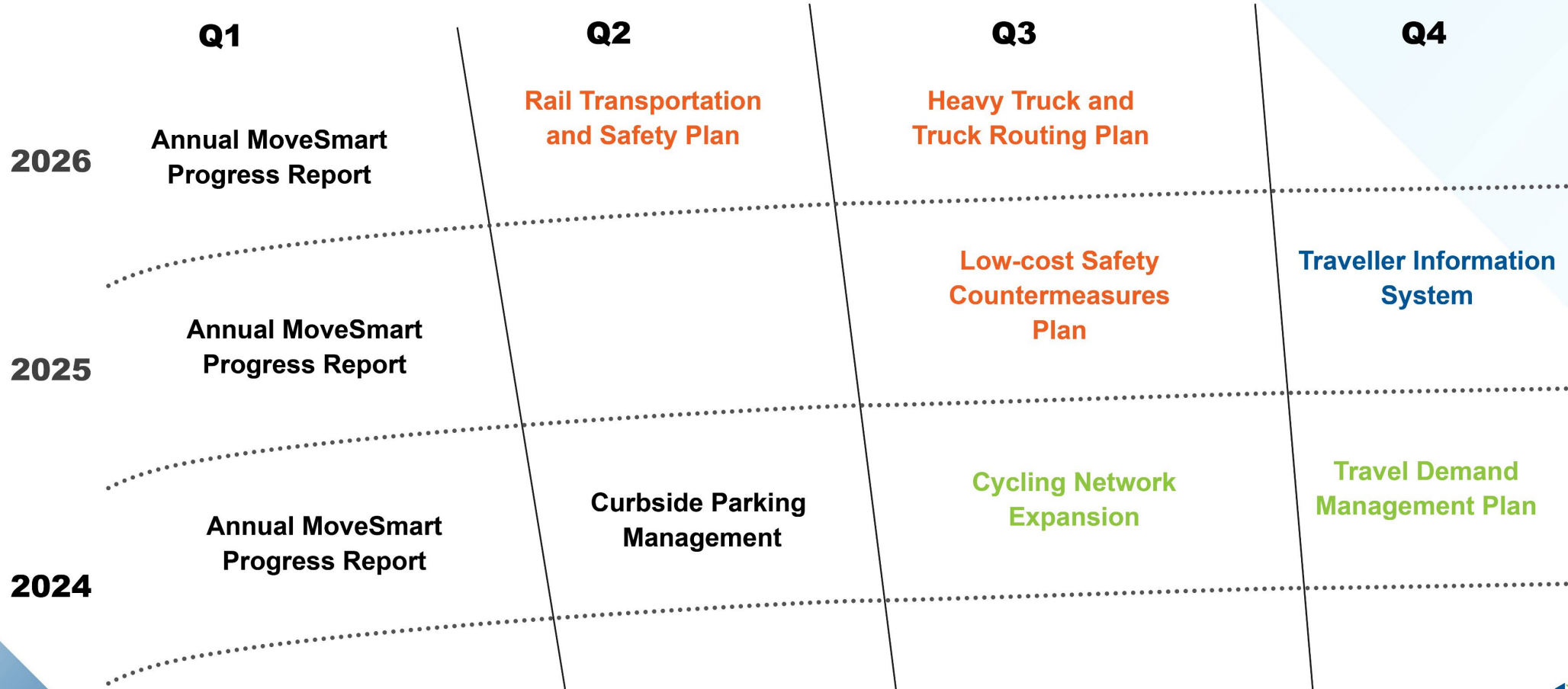
MOBILITY MANAGEMENT PROGRAM



SUSTAINABLE MOBILITY PROGRAM



TRAFFIC DATA MANAGEMENT PROGRAM



MOVESMART

MOBILITY MANAGEMENT STRATEGY



Timelines and Resources



¹Figure represents total gross operating expenditures

²Figure represents new capital budget requests or top ups

2020/2021

\$5.0M capital (approved)

\$2.4 annual operating (approved)

Moving Forward

Tremendous progress was made throughout the third year of MoveSmart.

The MoveSmart Strategy is emerging as a leader in road safety and mobility management programs.

Progress continues under all four programs because of the strong collaboration with our road safety partners.





Thank you!

Transportation and Fleet Management Services
Public Works