

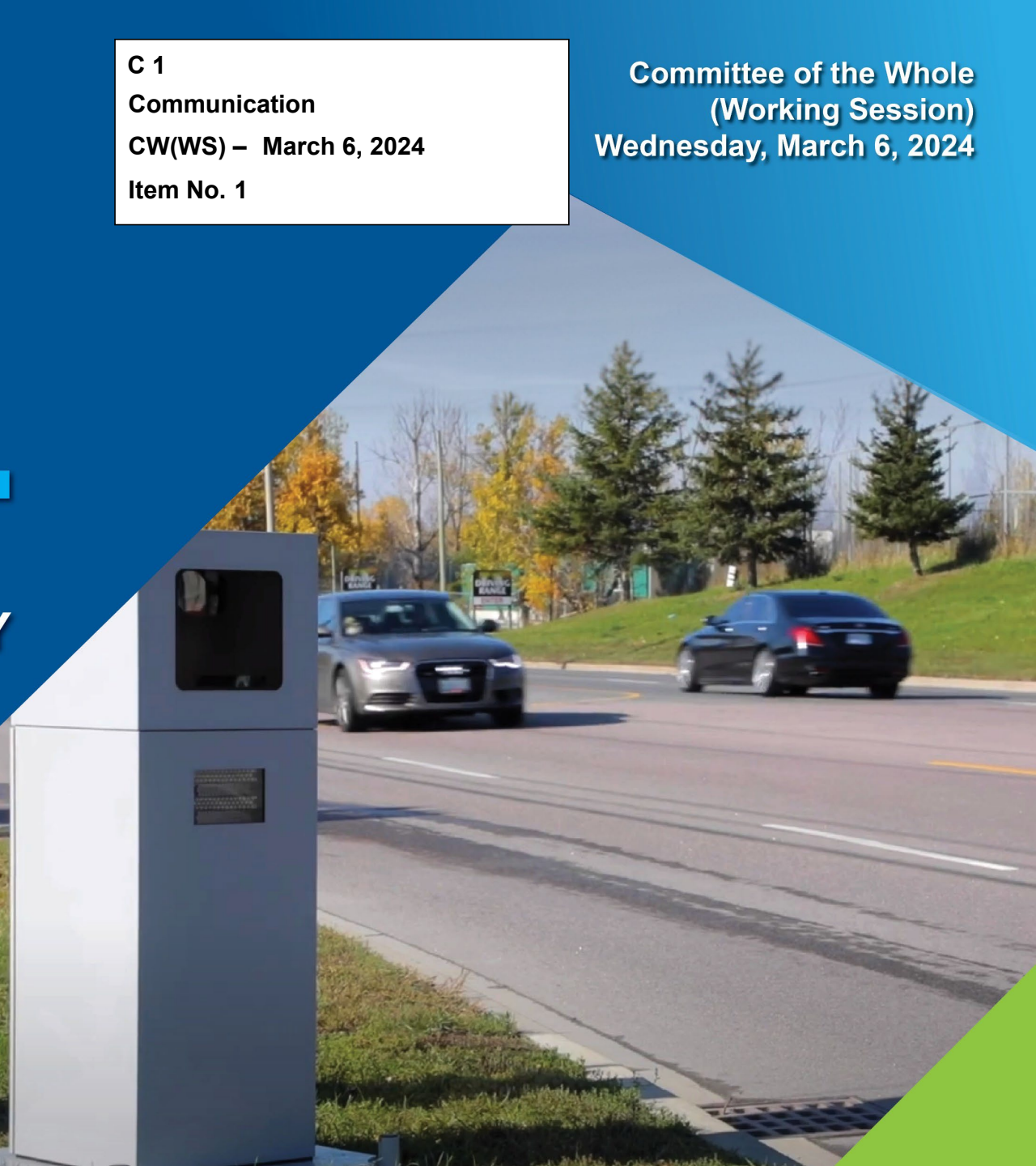
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Communication  
CW(WS) – March 6, 2024  
Item No. 1

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

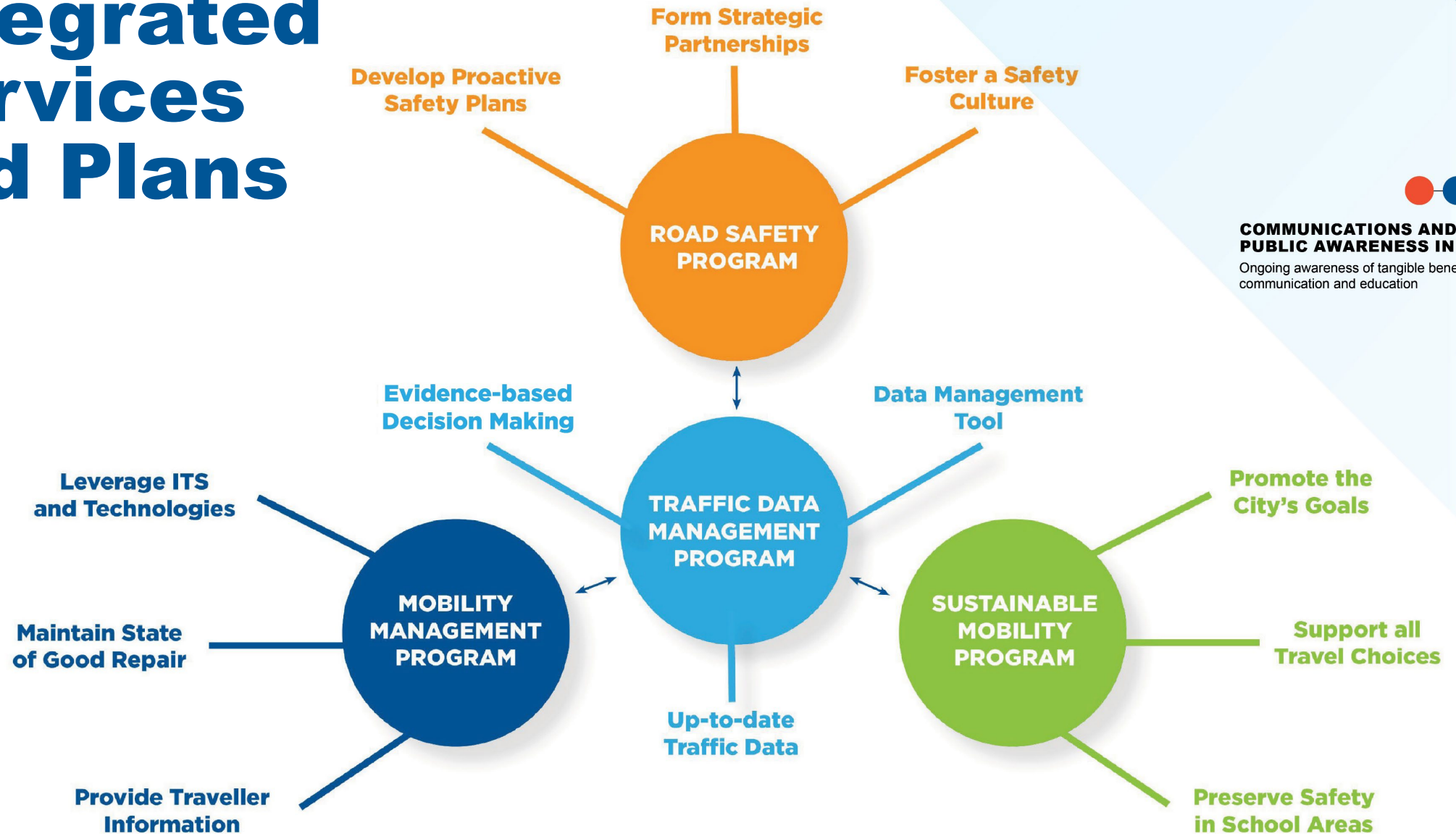


### COMMUNICATIONS AND PUBLIC AWARENESS INITIATIVE

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

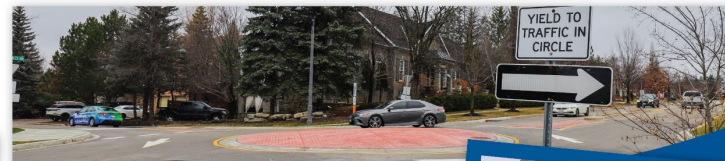
- ✓ Received Council approval on the Automated Speed Enforcement implementation plan and Community Safety Zones Policy
- ✓ Advanced the Neighbourhood Traffic Calming Plan – pilot measures and policy update



Installing traffic calming measures in five Vaughan neighbourhoods  
[vaughan.ca/NeighbourhoodPlan](http://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

**40**  
AREA  
BEGINS

What are traffic calming measures and how do they work?

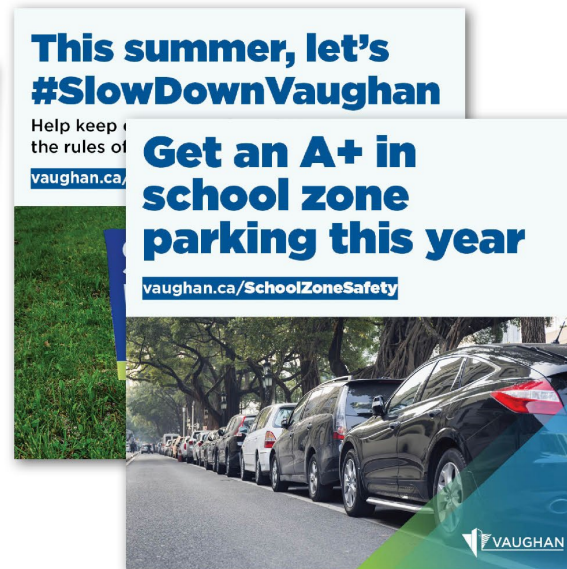
swipe

See ice or snow?  
**Drive slow!**  
[vaughan.ca/SlowDownVaughan](http://vaughan.ca/SlowDownVaughan)



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

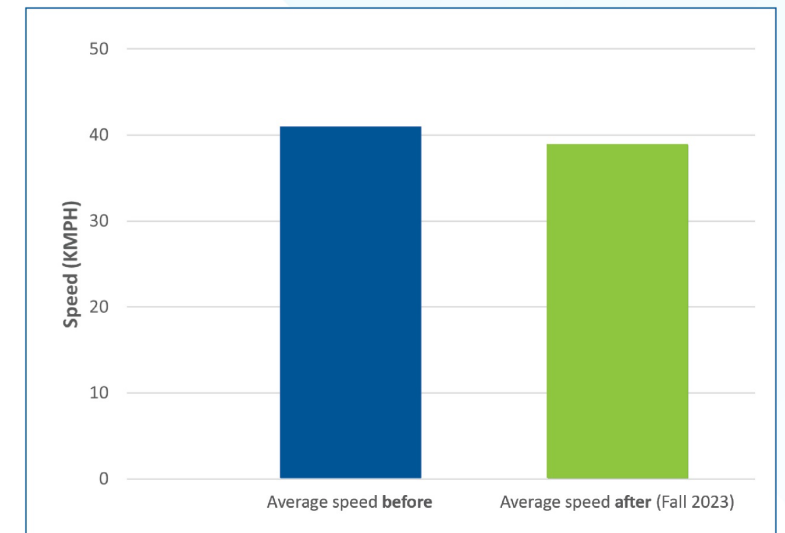


# Road Safety Program

## 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

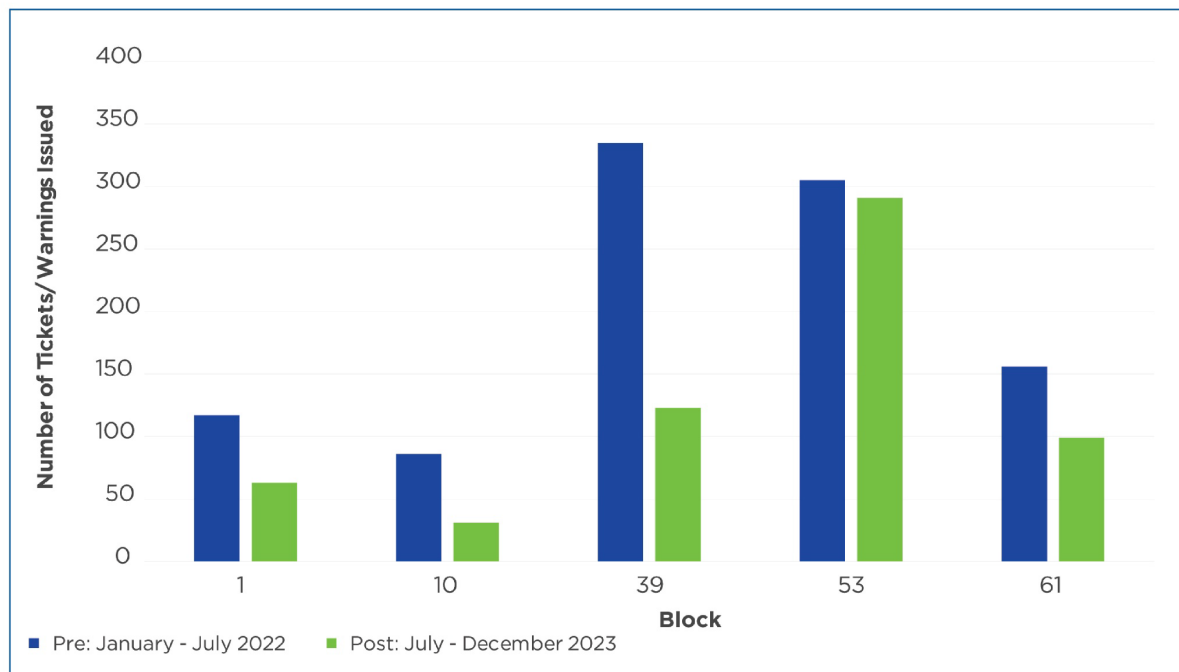


Average speed **decreased by 5 per cent** across pilot locations.

# York Regional Police Data

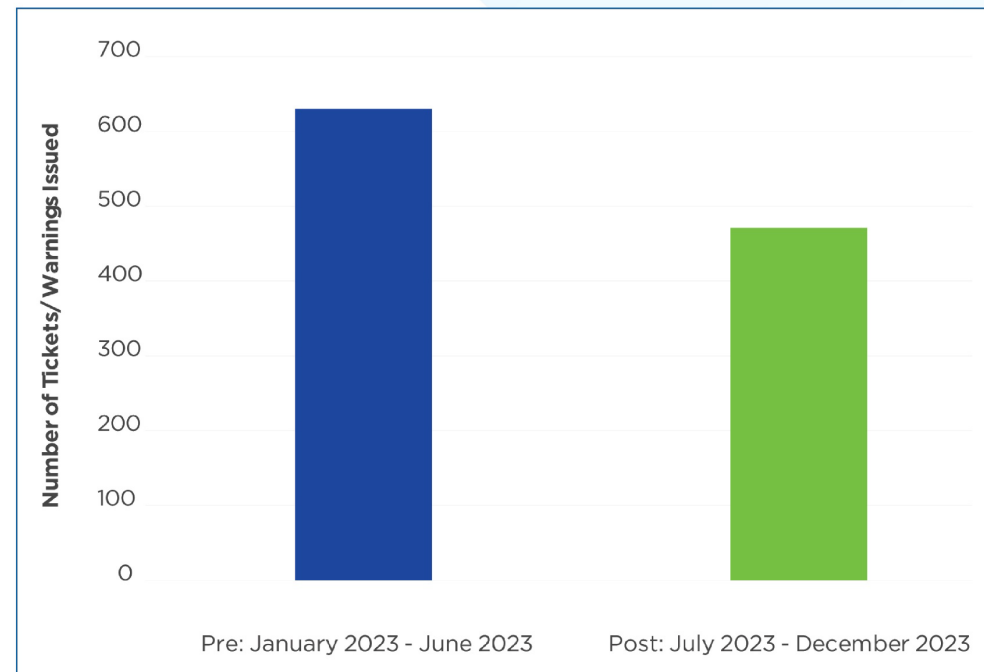
## Neighbourhoods with 40 km/h speed limits

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

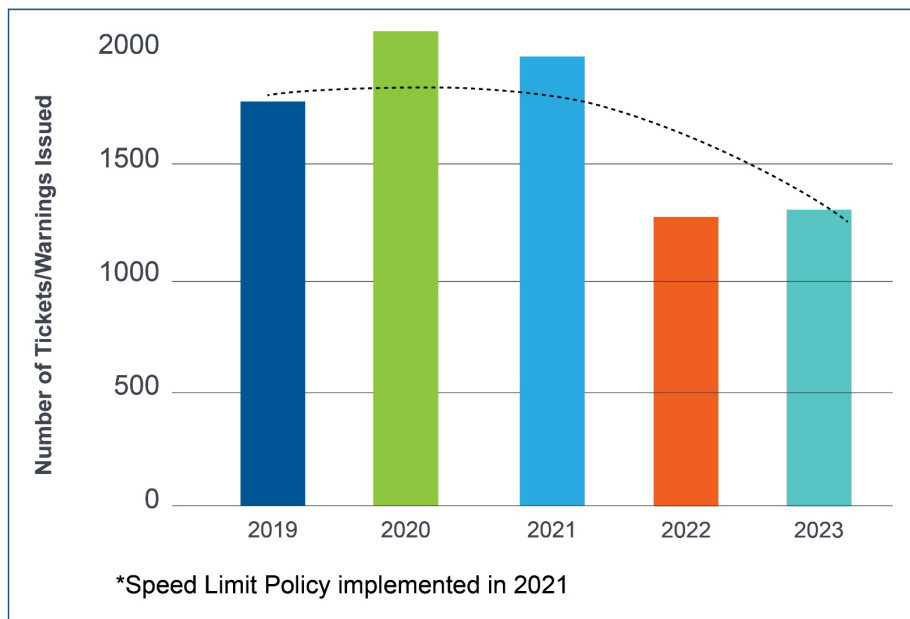
Phase 2: Speeding tickets and warnings



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

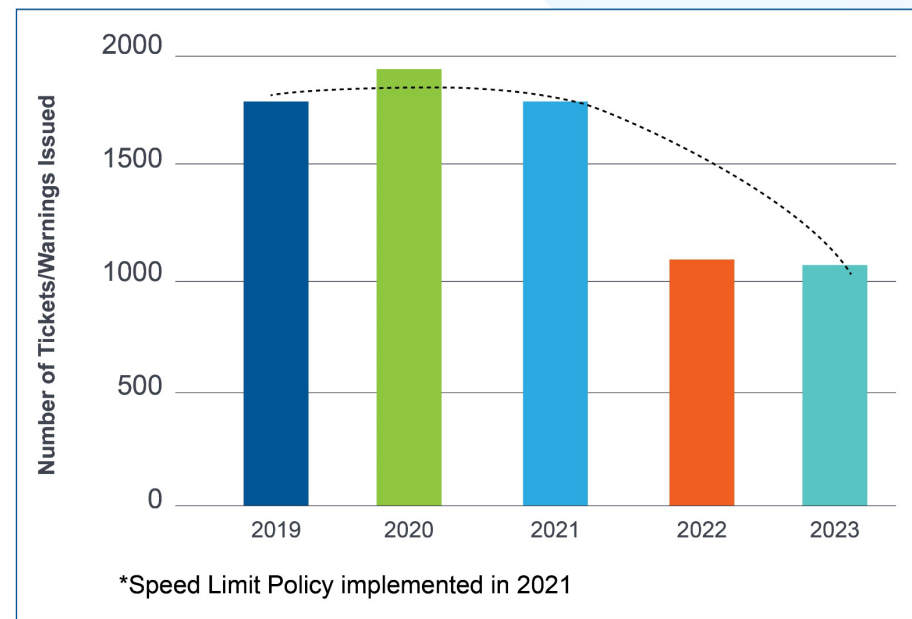
# York Regional Police Data (2019-2023)

## 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

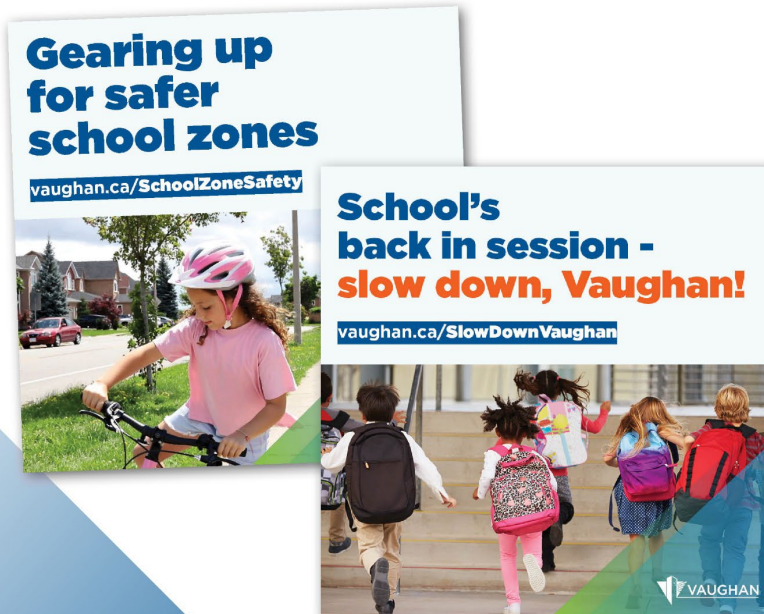


A **42 per cent decrease** from 2019 to 2023 in speeding tickets and warnings since implementing various traffic calming measures within Phase 2

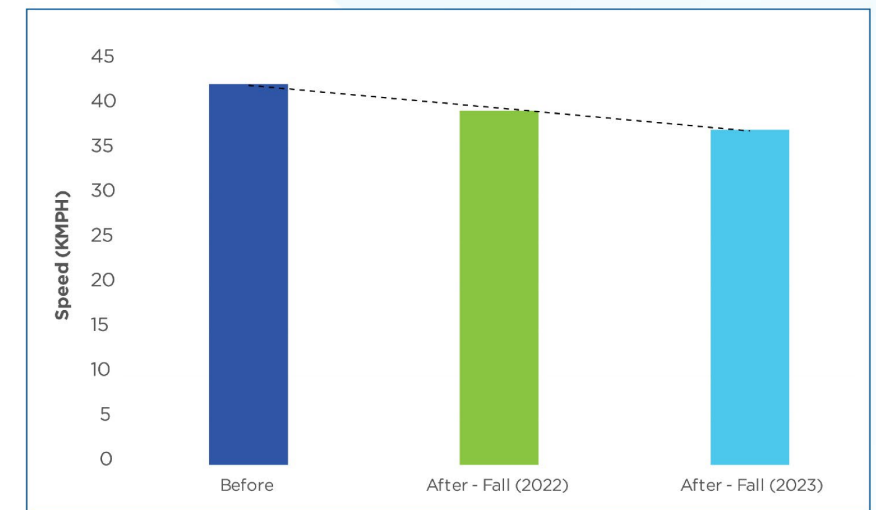


# Sustainable Mobility Program 2023 Accomplishments

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



Average speed at various traffic calming locations



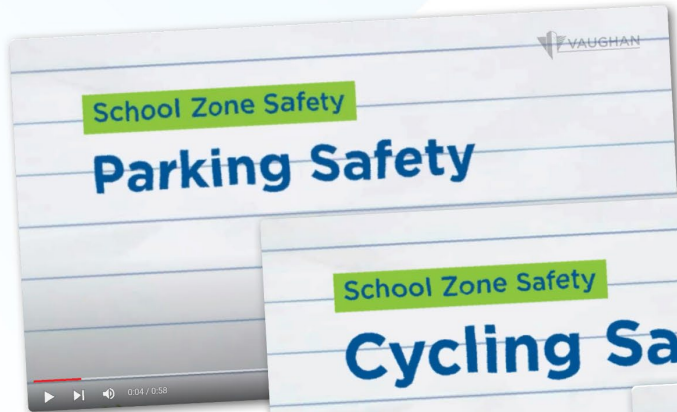
Average speeds **decreased by 5 per cent** after traffic calming measures were implemented in 40 km/h neighbourhoods, Active School Travel pilot locations, and individual locations where flex posts, signs, pavement markings and other traffic calming measures were implemented.

*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



**Celebrating our crosswalk heroes**  
School Crossing Guard Appreciation Week is June 5 to June 9  
[vaughan.ca/CrossingGuard](http://vaughan.ca/CrossingGuard)



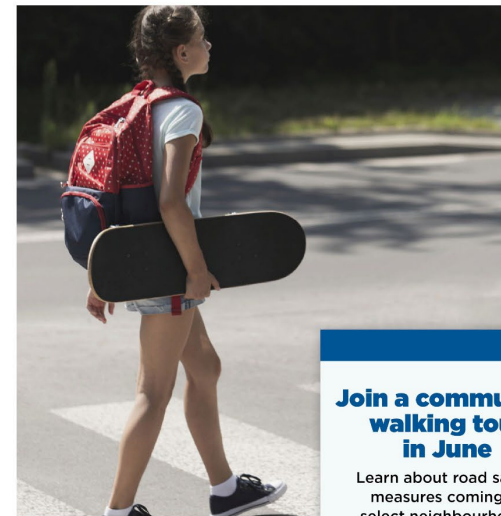
Get an A+ in school zone parking



Gearing up for safer school zones



Drive with care this school year



**Join a community walking tour in June**  
Learn about road safety measures coming to select neighbourhoods  
[vaughan.ca/NeighbourhoodPlan](http://vaughan.ca/NeighbourhoodPlan)



**Join a community walking tour in June**  
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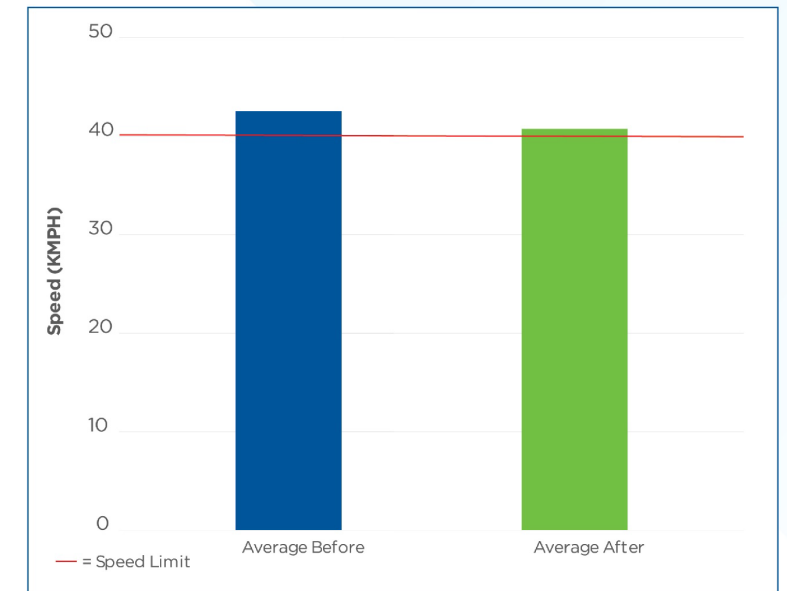


# Sustainable Mobility Program

## 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

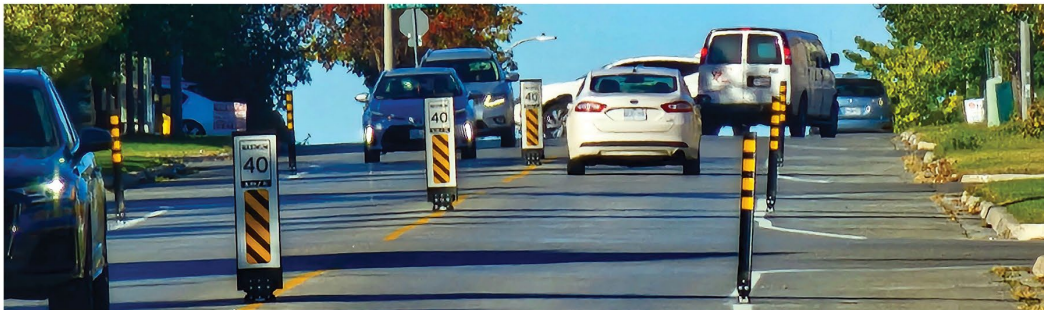
- ✓ Implemented a cloud-based Traffic Engineering Software in partnership with York Region and other local partners
- ✓ Expanded the traffic data program
- ✓ Leveraged new software and analytics
- ✓ Partnered with York University students and York Regional Police



# 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

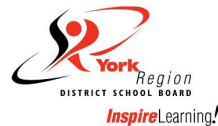


Example of Networking Screening data



# Communications and Public Awareness

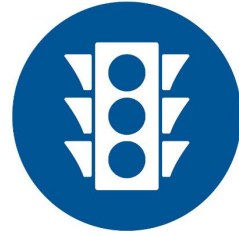
- ✓ Continued ongoing communications and public awareness of MoveSmart initiatives
- ✓ Created three school zone safety videos
- ✓ Employed modern engagement solutions to share project updates with the community
- ✓ Promoted York Region's Road Watch Program







**ROAD SAFETY PROGRAM**



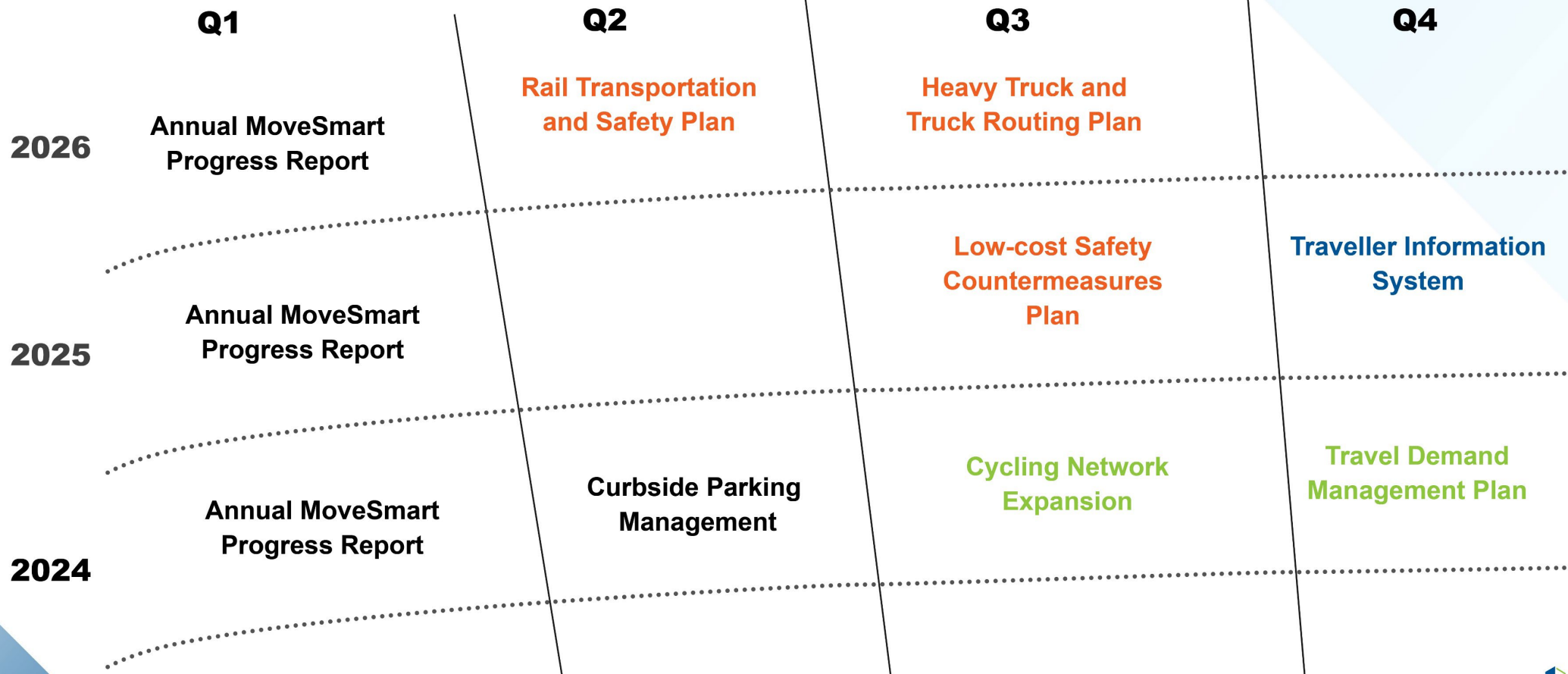
**MOBILITY MANAGEMENT PROGRAM**



**SUSTAINABLE MOBILITY PROGRAM**



**TRAFFIC DATA MANAGEMENT PROGRAM**



# MOVESMART

## MOBILITY MANAGEMENT STRATEGY



# Timelines and Resources



<sup>1</sup>Figure represents total gross operating expenditures  
<sup>2</sup>Figure 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