

**TRANSPORTATION AND INFRASTRUCTURE ADVISORY COMMITTEE –
NOVEMBER 20, 2023**

COMMUNICATIONS

Distributed November 13, 2023

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Distributed November 16, 2023

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Distributed November 20, 2023

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Disclaimer Respecting External Communications

Communications are posted on the City's website pursuant to Procedure By-law Number 7-2011. The City of Vaughan is not responsible for the validity or accuracy of any facts and/or opinions contained in external Communications listed on printed agendas and/or agendas posted on the City's website.

Please note there may be further Communications.

MoveSmart Mobility Management Strategy 2023



Transportation and Fleet Management Services

November 20th, 2023

Traffic Services: What We Deliver

Mandate: To manage safe and efficient movement of pedestrian and vehicular traffic along City streets, pathways and sidewalks.



Traffic Operations and Road Safety

- Traffic Operations, Speed Reviews, Traffic Calming
- On-Street Parking Studies and Amendments
- New Warning and Regulatory Signs
- New Traffic Control Measures
- Pavement Marking Program
- Sign Retro-Reflectivity Program

Traffic Signals and Streetlighting

- Traffic Signal Operations and Maintenance
- Streetlight Operations and Maintenance

School Crossing Guards

- School Crossing Guard Program
- Active School Travel

Utilities and Permits

- Utility Coordination and Road Permits
- Special Project – Bell FTTH



ROAD SAFETY PROGRAM

Increase road
safety and raise
public awareness



MOBILITY MANAGEMENT PROGRAM

Improve efficiency
through innovation
and technology



SUSTAINABLE MOBILITY PROGRAM

Support active
and sustainable
transportation



TRAFFIC DATA MANAGEMENT PROGRAM

Assure accuracy
and availability of
traffic data



ROAD SAFETY PROGRAM

Increase road safety and raise public awareness



MOBILITY MANAGEMENT PROGRAM

Improve efficiency through innovation and technology



SUSTAINABLE MOBILITY PROGRAM

Support active and sustainable transportation



TRAFFIC DATA MANAGEMENT PROGRAM

Support active and sustainable transportation

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

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

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

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

14

Initiatives Underway

6

Launched in 2023

MOVESMART

Mobility Management Strategy



ROAD SAFETY PROGRAM

GOAL:

Increase road safety and raise public awareness

- To bring together key stakeholders to keep the City's streets safer for all road users and help foster a road safety culture
- To take a more proactive approach to road safety by using data and proven statistical procedures and identify additional road safety opportunities

Projects and Activities

- ✓ Implement Speed Limit policy introducing 40 km/h neighbourhoods
- ✓ Update City's Neighbourhood Traffic Calming policy, program and toolbox of measures
- ✓ Undertake Road Safety Reviews and Area Traffic Studies to address safety and improve mobility
- ✓ Collaborate with York Region on a Traveller Safety Plan
- ✓ Prepare City's Automated Speed Enforcement (ASE) program
- ✓ Develop Citywide Community Safety Zone Policy
- ✓ Develop Construction Management and Safety Plan to address congestion and support pedestrian safety



ROAD SAFETY PROGRAM

Increase road safety and raise public awareness



MOBILITY MANAGEMENT PROGRAM



GOAL:

Improve efficiency through innovation and technology

- To modernize the City's traffic signals system, providing more efficient traffic flow and link to existing and future technologies
- To ensure pedestrian, cyclist and vehicular traffic continue to move safely and efficiently through signalized intersections and pedestrian crossings using the existing road network

Projects and Activities

- ✓ Develop a plan to implement an Intelligent Transportation System (ITS) traffic signal centralized system
- ✓ Implement a Pilot Project to determine effectiveness of proposed signal upgrades in the City
- ✓ Procure a Traffic Signal Control System that is City owned for proactive management
- ✓ Develop an ITS Strategic Plan to modernize the City's traffic signal infrastructure with future growth



MOBILITY MANAGEMENT PROGRAM

Improve efficiency through innovation and technology



SUSTAINABLE MOBILITY PROGRAM



GOAL:

Support active and sustainable transportation

- To support the development of additional active and sustainable transportation options and ensure that they focus on the safety of all road users
- To support the expansion of the pedestrian and cycling network through consideration of the operations and maintenance services

Projects and Activities

- ✓ Advance improvements for pedestrian crossings and cycling networks with other departments
- ✓ Plan and implement Pedestrian Crossovers (PXO) across Vaughan
- ✓ Support Cycling Network Expansion Program through the Pavement Marking Design Program
- ✓ Develop a “Made in Vaughan” Pedestrian Crossing (PXO) and Mid-Block Pedestrian Signals (MPS) Policy and Guideline
- ✓ Develop a Safer School Zones Plan recommending policies, programs and support active school travel
- ✓ Manage the School Crossing Guard Program including supervision of over 125 crossing guards



SUSTAINABLE MOBILITY PROGRAM

Support active and sustainable transportation



TRAFFIC DATA MANAGEMENT PROGRAM



GOAL:

Assure accuracy and availability of traffic data

- To modernize traffic data management with up to date traffic data to form the core of the Strategy and support data-driven and evidence-based decision-making
- To have traffic data to allow for ongoing tracking of performance of the transportation system over time

Projects and Activities

- ✓ Acquire a traffic data management system
- ✓ Develop a plan for system integration
- ✓ Centralize traffic data in a Regional database to advance analytics and knowledge sharing between the Region and all local municipalities
- ✓ Customize traffic data management in collaboration with Infrastructure Planning and Capital Asset Management
- ✓ Modernize and develop an annual traffic data collection plan with relevant City departments



TRAFFIC DATA MANAGEMENT PROGRAM

Assure accuracy and availability of traffic data



+ STUDY

Drag a column header here to group by that column



Search ...

<input type="checkbox"/> Study No	Location Description	Municipality	Jurisdiction	Study Type	Study Category	Status	Start Date	End Date	Total AADT
<input type="checkbox"/> 1	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/26/2012 12:0...	05/27/2012 12:0...	7823
<input type="checkbox"/> 2	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/27/2012 12:0...	05/28/2012 12:0...	6126
<input type="checkbox"/> 3	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/28/2012 12:0...	05/29/2012 12:0...	10300
<input type="checkbox"/> 4	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/29/2012 12:0...	05/30/2012 12:0...	10105
<input type="checkbox"/> 5	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/30/2012 12:0...	05/31/2012 12:0...	10129
<input type="checkbox"/> 6	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/31/2012 12:0...	06/01/2012 12:0...	10150
<input type="checkbox"/> 7	Nashville Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	06/01/2012 12:0...	06/02/2012 12:0...	9335
<input type="checkbox"/> 8	Burthard Road btwn ...	Vaughan	Regional munic...	Volume	Volume, Classifi...	Approved	05/06/2012 12:0...	05/07/2012 12:0...	17716

☒ (Municipality) Equals 'Vaughan'



Filter

From Date: 1/1/2019

To Date: 12/31/2023

Traffic Study

- ☐ Intersection AADT
- ☐ Road Segment AADT
- ☐ Speed Compliance
- ☐ Posted Speed
- ☐ Average Speed
- ☐ Speed Study
- ☐ Volume Study
- ☐ TMC Study

Collision

- ☐ Show Cluster Data
- ☐ Show Collision Locations
- ☒ None



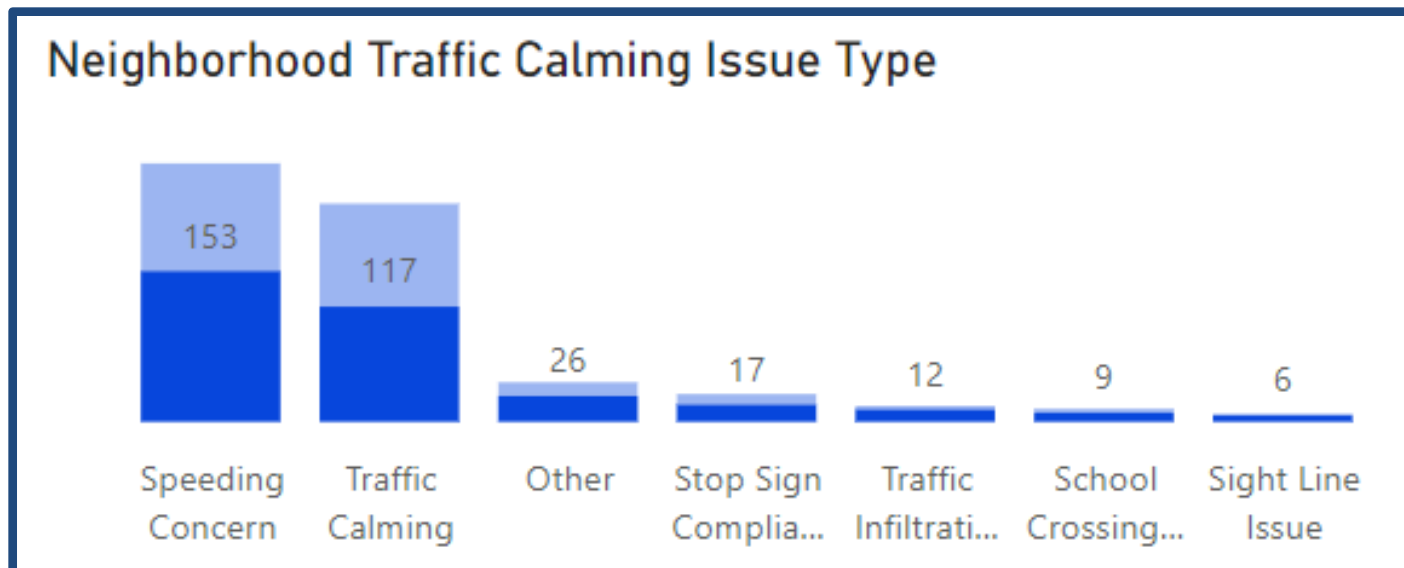
TRAFFIC SERVICES CASES - 2023

3228 Resident Service Cases in 2023

81% Resolved (to date) **19%** Under Review

82% Pavement Markings, Sign Requests, Streetlights

18% Road safety (Traffic Calming)



QUESTIONS AND FEEDBACK



Information Resources

[Mobility Management Strategy | City of Vaughan](#)

[About the Strategy | City of Vaughan](#)

[Traffic Calming Plan | City of Vaughan](#)

[Corridor Reviews | City of Vaughan](#)

[#SlowDownVaughan | City of Vaughan](#)

[Active School Travel | City of Vaughan](#)

[School Zone Safety | City of Vaughan](#)

The image shows two screenshots of the City of Vaughan website. The top screenshot is the 'MoveSmart Mobility Management Strategy' page. It features the City of Vaughan logo, a search bar, and a navigation menu with links for Residential, Business, Council, Explore Vaughan, and About City of Vaughan. Below the navigation menu is a breadcrumb trail: Home / About the City of Vaughan / Projects and Initiatives / Transportation Projects / MoveSmart Mobility Management Strategy. The main content area has the title 'MoveSmart Mobility Management Strategy' and a sub-header 'The City's transportation system is in a state of expansion and transition with more urbanization taking place. Travel demand continues to increase as the City's population and economy grows.' To the right is a graphic with the text 'MOVESMART MOBILITY MANAGEMENT STRATEGY' and icons for a person walking, a car, a bus, and a computer. The bottom screenshot is the 'School Zone Safety' page. It features the same navigation menu and breadcrumb trail: Home / Residential / Roads and Traffic / Traffic / School Zone Safety. The main content area has the title 'School Zone Safety' and a sub-header 'As students make their way to and from class, there is more pedestrian and vehicular traffic on the road. It is important for drivers, parents and children to be alert, follow the rules of the road, and walk safely – especially in school zones.' To the right is a photo of a person in a yellow safety vest standing next to a yellow pedestrian crossing sign. Below the photo are three small images of children wearing face masks. On the right side of the bottom screenshot is a section titled 'Additional Resources' with links to 'Ministry of Transportation: Pedestrian Safety' and 'School Zone Safety'.

MoveSmart Mobility Management Strategy

The City's transportation system is in a state of expansion and transition with more urbanization taking place. Travel demand continues to increase as the City's population and economy grows.

School Zone Safety

As students make their way to and from class, there is more pedestrian and vehicular traffic on the road. It is important for drivers, parents and children to be alert, follow the rules of the road, and walk safely – especially in school zones.

Additional Resources

- [Ministry of Transportation: Pedestrian Safety](#)
- [School Zone Safety](#)

Contact Information

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Email: accessvaughan@vaughan.ca

Joint Operations Centre 2800
Rutherford Rd. Vaughan, ON
L4K 2N9

vaughan.ca/MoveSmart

MOVESMART
MOBILITY MANAGEMENT STRATEGY



TRANSPORTATION AND INFRASTRUCTURE ADVISORY COMMITTEE 2024 SCHEDULE OF MEETINGS

Meetings every other month, virtually at 9:30 a.m. or at the call of the Chair.
No meetings are scheduled for July and August.
(unless otherwise specified)

2024 MEETING DATES

Monday, January 22

Monday, March 18

Monday, May 27

Monday, September 16

Monday, November 18

November 2023

TRANSPORTATION AND INFRASTRUCTURE ADVISORY COMMITTEE

[Terms of Reference](#)

[2022 Council Report and Task Force Findings](#)

[2023 Council Report – Task Force Status Update](#)

[Vaughan Transportation Master Plan](#)

- [Executive Summary](#)
- [Project Webpage](#)

[Pedestrian and Bicycle Master Plan](#)

- [Executive Summary](#)
- [Cycling Reports, Projects and Studies](#)
- [2023 Active Transportation Programs – 3rd Annual Update Council Report](#)
- [Project Webpage](#)

[MoveSmart Mobility Management Strategy](#)

- [2023 MoveSmart – 2nd Annual Update Council Report](#)
- [Project Webpage](#)
- [2023 Vaughan Transportation Plan – Council Report](#)

[Rutherford and Maple GO Mobility On-Request Pilot](#)

- [Final Study](#)
- [YRT Project Page](#)
- [2023 Shared Mobility Pilot Council Report](#)

[Micromobility in Vaughan](#)

- [2023 Micromobility – Council Update](#)

[Transportation Innovation Program](#)

- 2023 [Transportation Innovation Program](#) – Council Update

[Vaughan Road Map](#) – Regional Roads in RED

[York Region Transportation Master Plan](#)

C4

Communication

Transportation and Infrastructure

Advisory Committee – November 20, 2023

Item No. 3

Pedestrian & Bicycle Master Plan Update

Presentation to the Transportation and
Infrastructure Advisory Committee

November 2023



Agenda



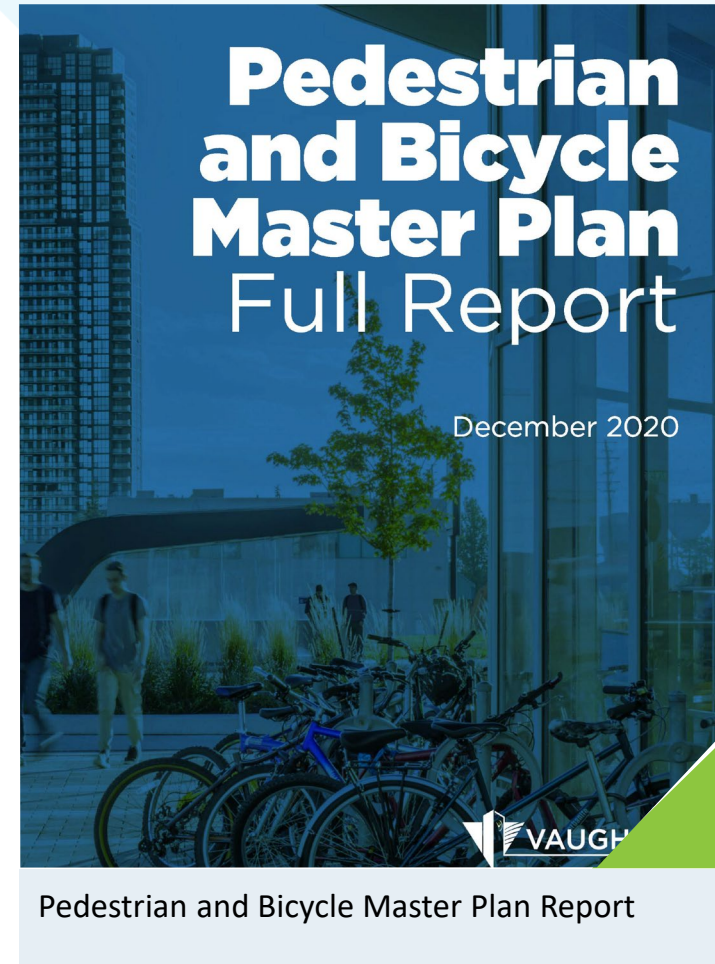
1. Overview
2. Progress
3. Final Thoughts

Overview

Pedestrian and Bicycle Master Plan

Pedestrian and Bicycle Master Plan Overview

- ▶ Study duration 2017-2020
- ▶ Engaged 3000+ people at 43 in-person events
- ▶ Four community priorities emerged



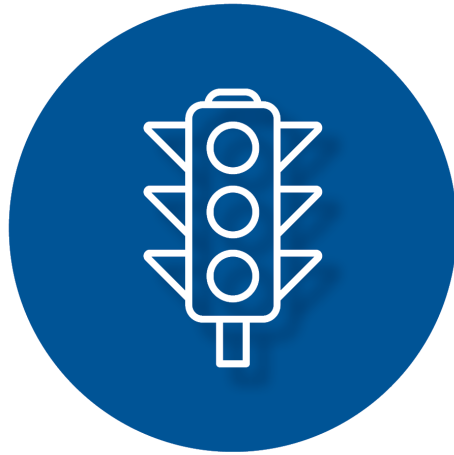
Pedestrian and Bicycle Master Plan Report

Pedestrian and Bicycle Master Plan Overview

► Four Community Priorities



Awareness
and Culture



Safety



Infrastructure



Connectivity

Progress

Pedestrian and Bicycle Master Plan



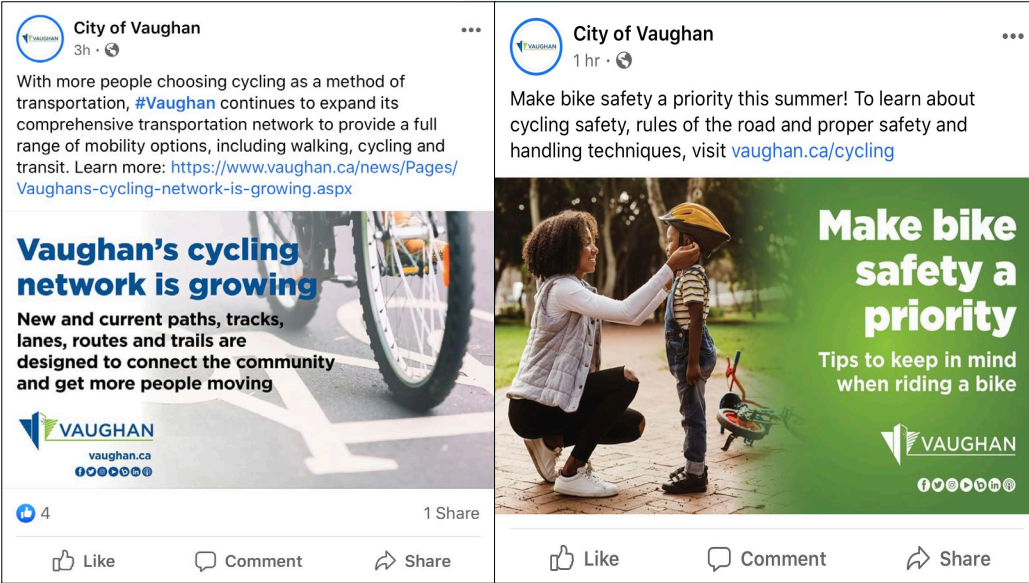
Awareness and Culture

PBMP Community Priority

Awareness and Culture



In-person outreach – ex. education and outreach at city events such as Concerts in the Park



Virtual outreach – ex. social media, PSAs, websites, etc.



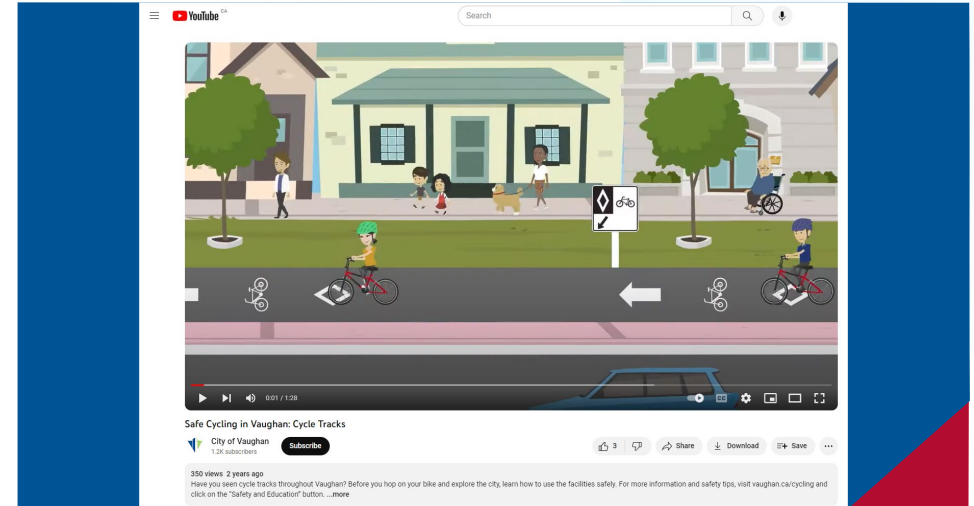
Targeted education and engagement – ex. with high-school students



Resources – ex. cycling maps, trail guides, etc.



Campaigns – ex. 'Slow Down Vaughan' (credit: Traffic)



More Resources – ex. safe cycling videos, school zone safety videos etc.



Partnership Programs – ex. Active School Travel in partnership with local schoolboards 2022 (credit: Traffic)



Partnership Programs – ex. bike safety outreach by York Region Police on Clark Avenue 2020



Smart Commute

NORTH TORONTO, VAUGHAN



Partnerships Programs – ex. Smart Commute programming available in Vaughan



Promotion – ex. Bike Month and Bike to School Week



Encouragement – ex. Bike Valet Canada Day 2017



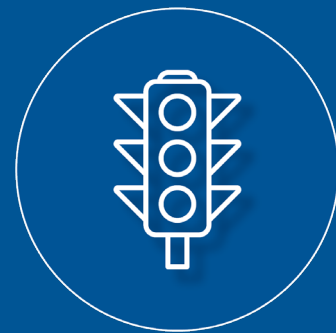
Encouragement – ex. Bike rodeo at Public Works Day 2019



Encouragement – ex. Bike into Spring community bike ride 2017



Education – ex. bike repair demonstrations at Public Works Day 2019

A large, stylized blue arrow pointing to the right, composed of two overlapping shapes, one slightly offset from the other.

Safety

PBMP Community Priority

Safety



Policy – ex. pedestrian facilities criteria, guidance for selecting all ages and abilities cycling facilities, complete streets guidelines, etc.



Micromobility

More policy – ex. Regulating use of e-bikes and e-scooters in Vaughan by-law updates, speed limit policy, etc.



Road safety program – ex. traffic calming plan, corridor safety reviews, automated speed enforcement, etc. (traffic/YR)



More road safety program – Safer School Zone Plan and improvements (traffic)

Complete Streets Guide



Guidelines and standards – ex. Complete Streets Guidelines and City-wide Engineering Design Standards update, etc.



Education – ex. bike safety campaigns, York Region Police positive community education through enhanced patrolling, etc.



Infrastructure

Community Priority

Infrastructure Implementation Framework



- ▶ Leverage other projects
 - capital projects and development projects
 - “routine accommodation”

- ▶ Identify and prioritize network gaps
 - annual planning and implementation programs
 - “standalone”

Infrastructure



Vaughan's first cycle track implemented as part of road reconstruction (routine accommodation) – Millway Avenue 2017



Vaughan's first cycle track through implemented as a retrofit (standalone) – Clark Avenue 2020



Clark Avenue Cycle Tracks (4.5km)– 2021



Weston Road Cycle Tracks (2km) – 2023



Rutherford Road Active Transportation Bridge connecting to Rutherford GO Transit Station – 2022



Rutherford Road Multi-use Pathway – Phase 1 (0.9km) - 2022



Keele Street Multi-use Pathway (2km) – 2023



Bike Repair Stations



City-wide Multi-use Pathway Improvements (30km) – 2023



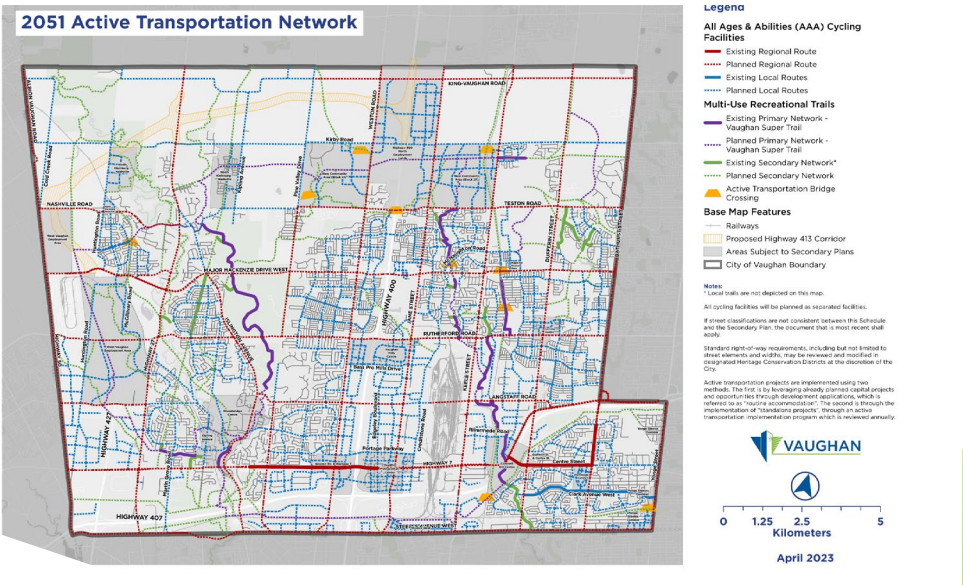
Bike Racks



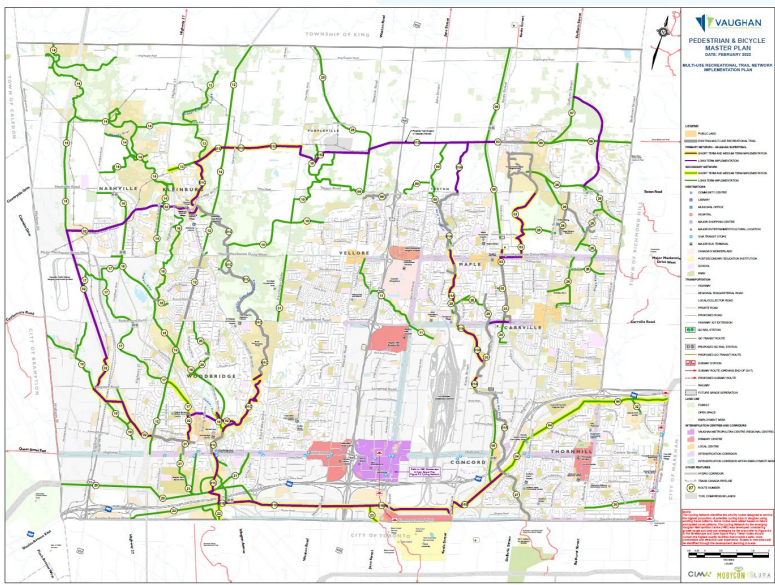
Connectivity

PBMP Community Priority

Connectivity



City-wide Network Plans – ex. cycling network plan for all ages and abilities (Vaughan Transportation Plan)



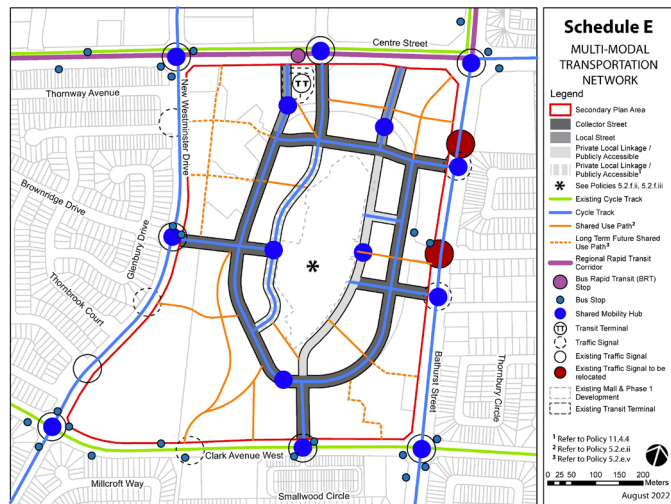
City-wide Network Plans – ex. multi-use recreational trail network plan (Pedestrian and Bicycle Master Plan)



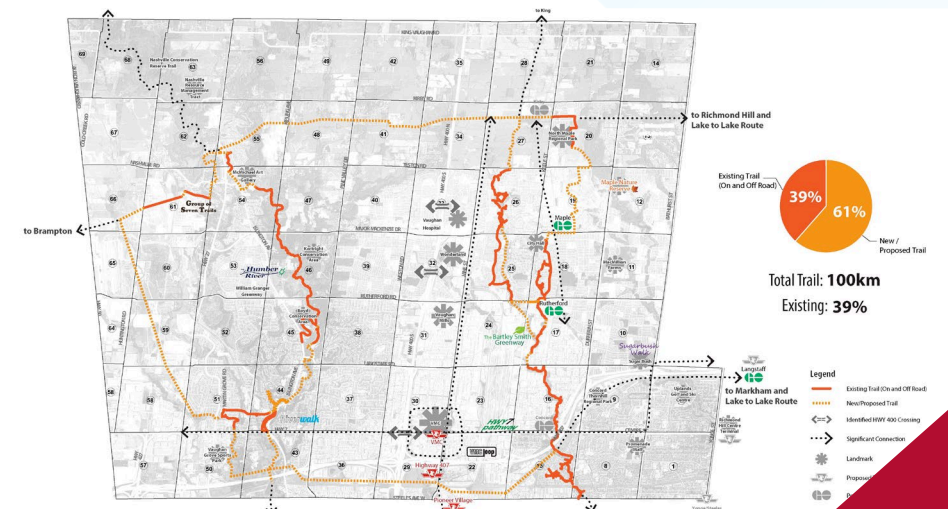
Neighbourhood Network Plans – ex. Ward 4 functional design underway



Signature Projects – ex. Jane Street Uptown Link



Intensification Area Network Plans – ex. Promenade Secondary Plan



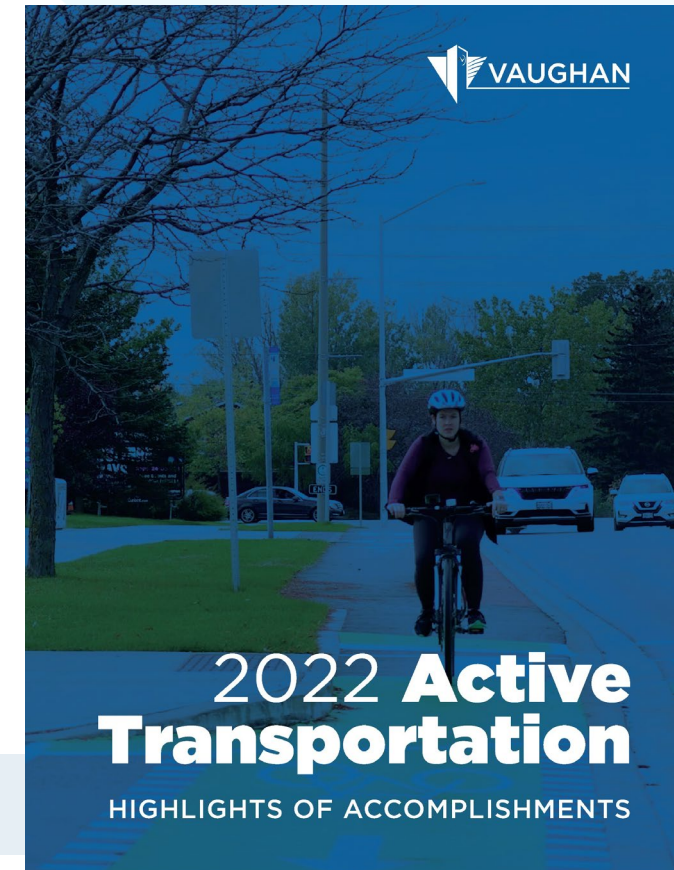
More Signature Projects – ex. Vaughan Super Trail

Final Thoughts

Pedestrian and Bicycle Master Plan

Pedestrian and Bicycle Master Plan Overview

- ▶ Annual active transportation program updates since 2021



2023 Active Transportation Programs Annual Update – Coming March 2024



Thank you!

Infrastructure Planning and Corporate Asset Management
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vaughan.ca

