

COMMITTEE OF THE WHOLE (WS) – SEPTEMBER 13, 2023**COMMUNICATIONS****Distributed September 8, 2023****Item No.**

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|-----|------------------------|---|
| C1. | Presentation material. | 1 |
| C2. | Presentation material. | 2 |

Distributed September 11, 2023

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| C3. | Tony Bartolomeo, President, Vaughan Soccer Club, Keele Street, Maple, dated September 11, 2023. | 2 |
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Distributed September 12, 2023

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| C4. | Marcella Di Rocco, President, Vaughan C.A.R.E.S., Merino Place, Maple, dated September 9, 2023 | 2 |
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Please note there may be further Communications.

Communication : C 1
Committee of the Whole (Working Session)
September 13, 2023
Agenda Item # 1

Accommodating Micromobility Devices (e-bikes & e-scooters)

Infrastructure Planning & Corporate Asset Management
Transportation Planning and Engineering

VAUGHAN CITY HALL

Agenda



1. Background
 - What are micromobility vehicles?
 - What are the current provincial regulations?
2. Journey and Next Steps
 - The Micromobility Journey
 - What we heard from our residents
 - Summary of best practices research
3. Recommendations

Background

What are power-assisted
micromobility vehicles?

What Power-Assisted Micromobility Devices?

Power-Assisted Micromobility is a general term used to describe compact, low-speed, lightweight electric-powered modes of travel. They are typically a single-person vehicle used for shorter trips. **Staff are recommending additional guidance and regulation for the use of these devices.**



E-bikes



E-scooter

Most popular



E-hoverboard



segway



E-unicycle

Not recognized as vehicles by the Province and are not permitted on public rights-of-way

How are Power-Assisted Bicycles (e-bikes) regulated in Ontario?

2020

2021

2022

2023

Power-Assisted Bicycles (e-bikes)

- updating definition of e-bikes and regulatory framework
- [O. Reg. 369/09](#)

Under Provincial regulations, e-bikes are permitted where conventional bicycles are permitted, except:

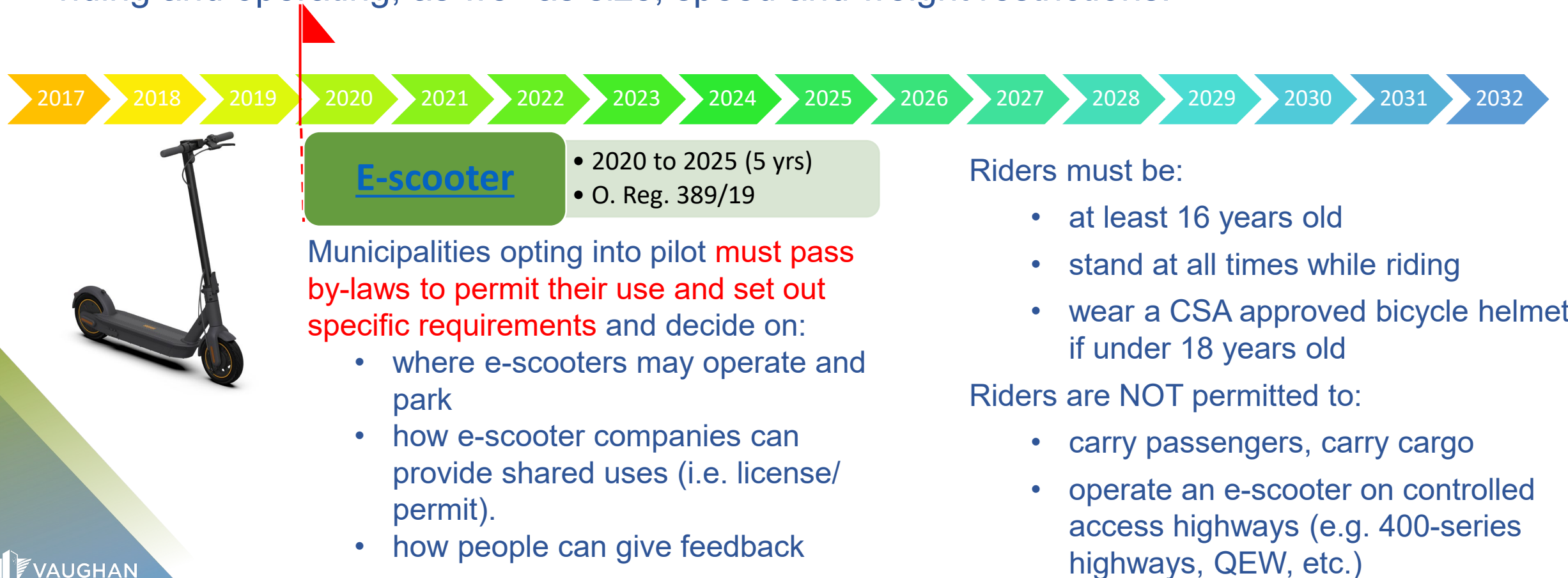
- municipal roads, sidewalks, cycling facilities and shared-use paths / trails where e-bikes are prohibited by a municipal by-law
- In Vaughan today, e-bikes are permitted on all roadways, sidewalks, cycling facilities and in-boulevard multi-use paths

E-Bike Redefinition Comparison Chart: Current Status

| Vehicle Type | Bicycle Style E-Bike  | Moped Style E-Bike  | LSM Style E-Bike  | Motor-Assisted Bicycle (Moped)  | Limited –Speed Motorcycle (LSM)  |
|---|--|---|---|---|---|
| Current Status: Classification/ Operator and Vehicle Requirements | VEHICLE REQUIREMENTS | | | VEHICLE REQUIREMENTS | VEHICLES REQUIREMENTS |
| | Class: Power-Assisted Bicycle (E-Bike) – not a motor vehicle Label: Yes (Federal Compliance Label) Weight: 120kg or less Max. Speed: 32 km/h with motor assistance | | | Class: Motor-Assisted Bicycle (Moped) – motor vehicle Label: Yes (Federal Compliance Label) Weight: 55kg or less Max. Speed: 50km/h with motor assistance | Class: Limited-Speed Motorcycle – motor vehicle Label: Yes (Federal Compliance Label) Weight: No limit Max. Speed: 70km/h with motor assistance |
| | OPERATOR REQUIREMENTS | | | OPERATOR REQUIREMENTS | OPERATOR REQUIREMENTS |
| | Licence, Registration and Insurance: Not required Helmet: Required for all Driver Age: 16+ Passengers: Yes, 16+ | | | License, Registration and Insurance: Yes Helmet: Required for all Driver Age: 16+ Passengers: No | Licence, Registration and Insurance: Yes Helmet: Required for all Driver Age: 16+ Passengers: Yes |

How are kick-style electric scooters regulated in Ontario?

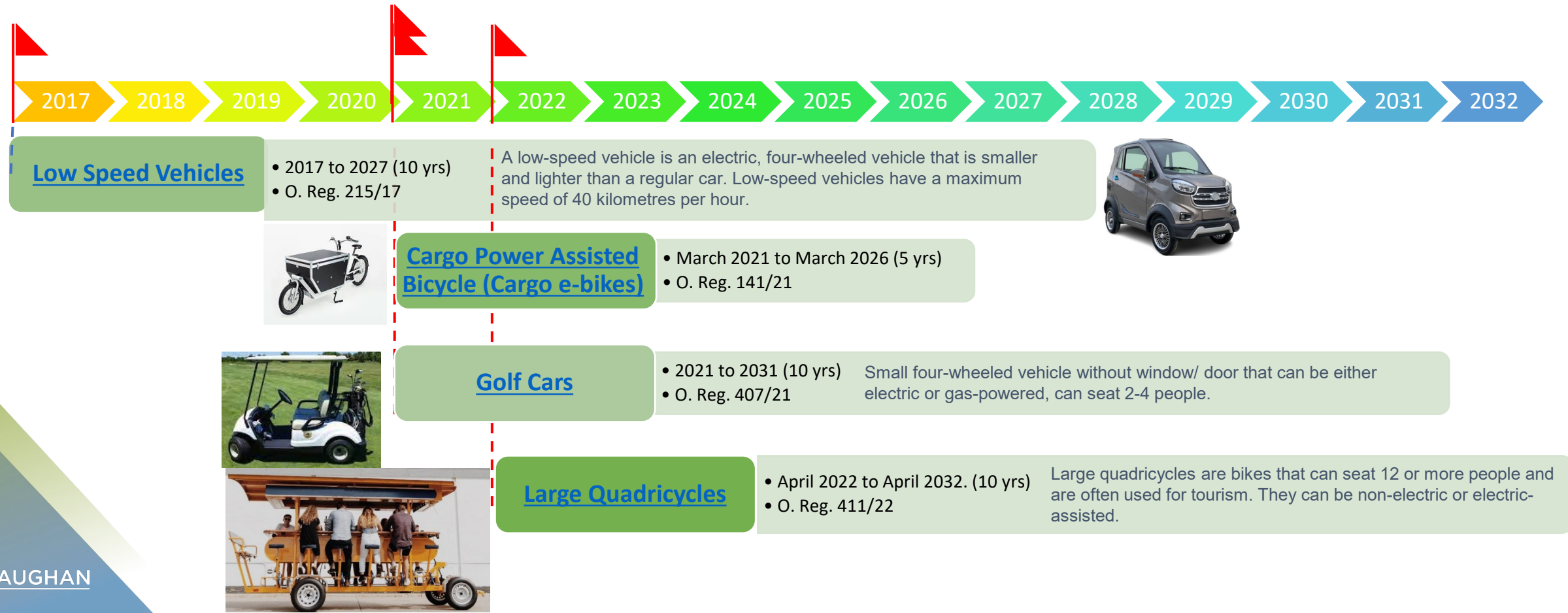
In Ontario, the use of kick-style electric scooters (e-scooters) is governed by a provincial pilot program, launched in 2020, which provides regulations on safety requirements for riding and operating, as well as size, speed and weight restrictions:



How are all other Power-Assisted Micromobility Devices regulated in Ontario?

In Ontario, the use of other power-assisted micromobility devices listed below is governed by the following provincial pilot programs, launched at different times, which provides regulations on safety requirements for riding and operating, as well as size, speed and weight restrictions.

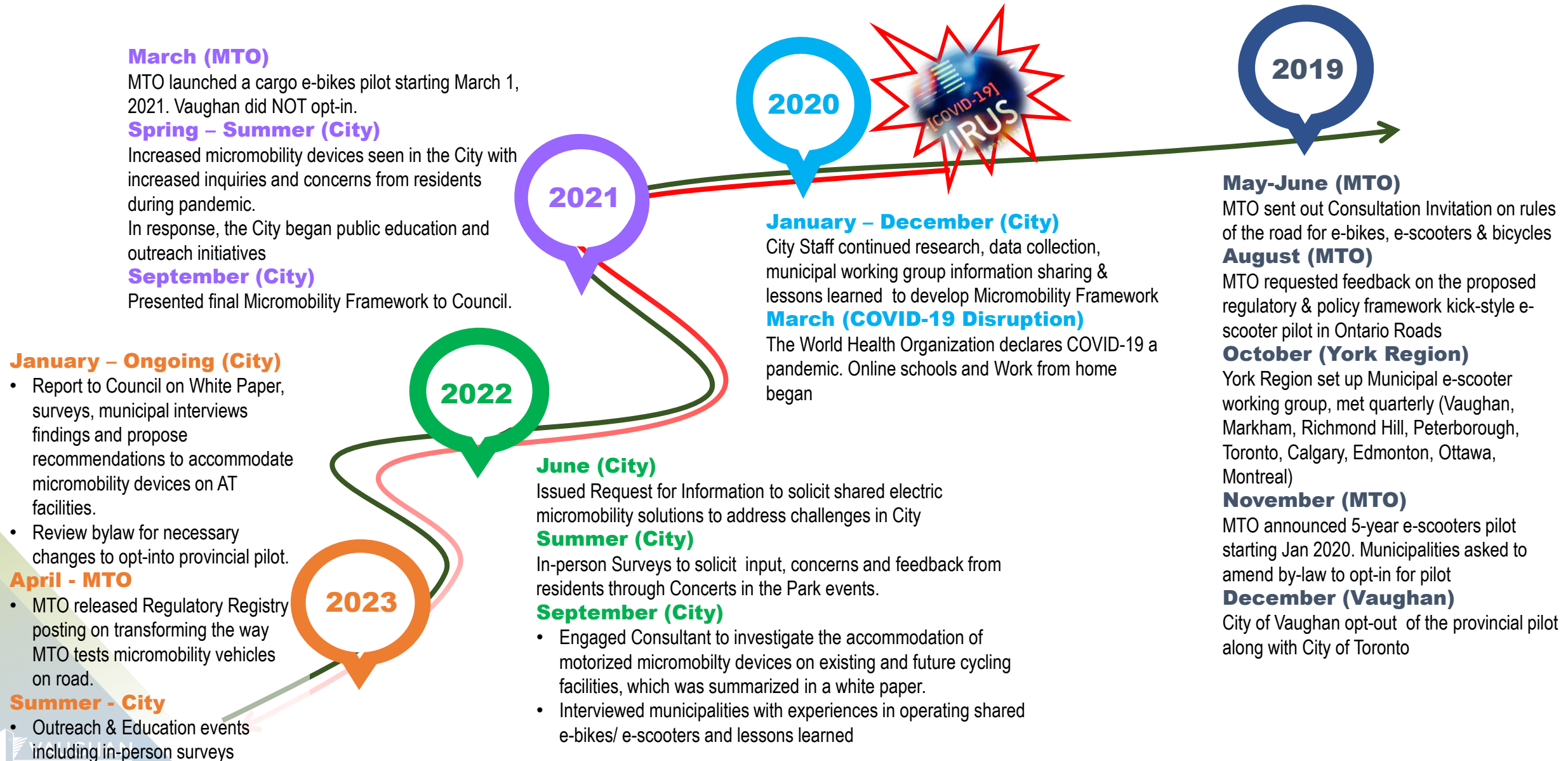
Municipal by-law amendments are required to opt into these pilots and allow the use of these devices.



Journey and Next Steps

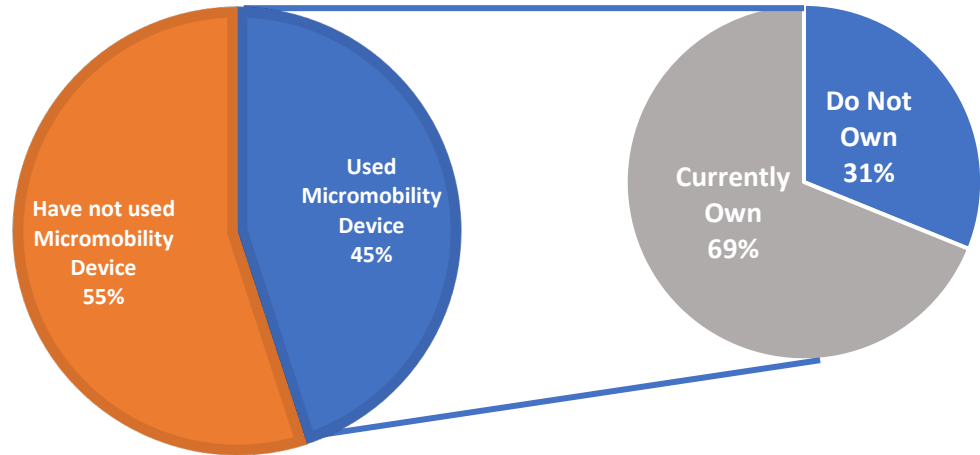
- The Micromobility Journey
- What We Heard from Our Residents
- Summary of Best Practices Research

The Micromobility Journey



What we heard from our residents 2021-2023

% PEOPLE USED MICROMOBILITY DEVICES

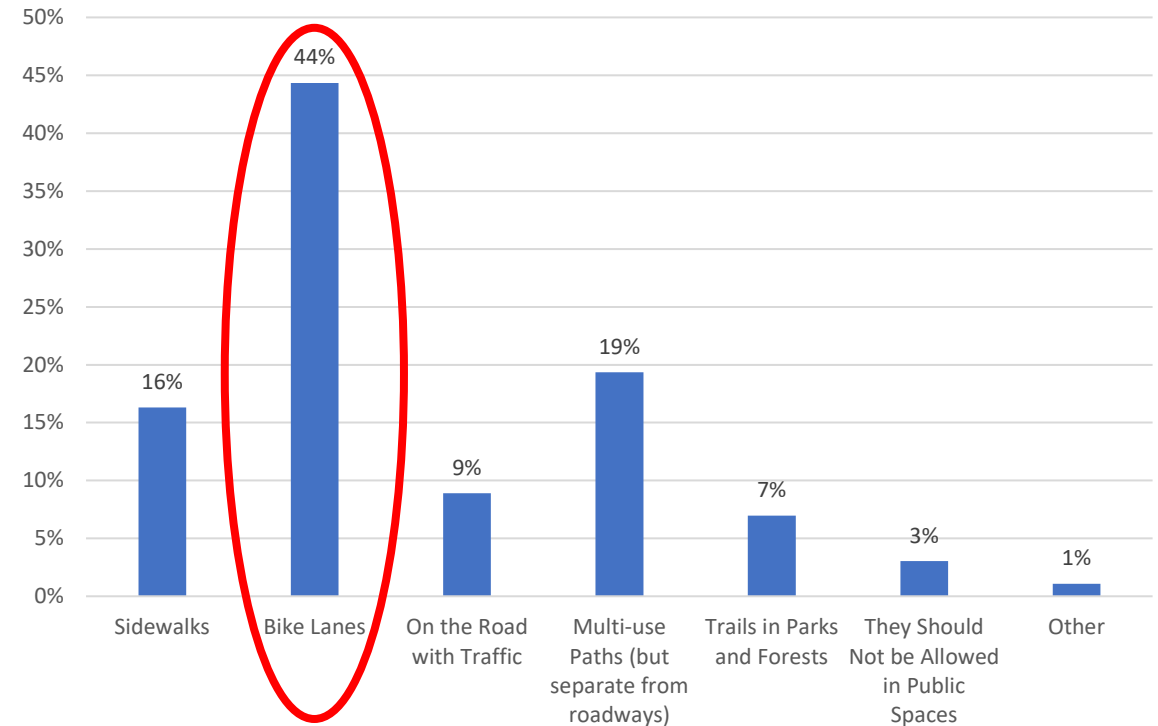


Of those who used a micromobility device, **34%** used e-bikes and **37%** used e-scooters

82% surveyed participants would like to try/continue riding micromobility device in the future

53% of all respondents strongly or somewhat agree that power-assisted micromobility devices are safe to use in the city

Where Micromobility Devices be used?



The top three (3) reasons for respondents to feel unsafe using these devices in the city are:

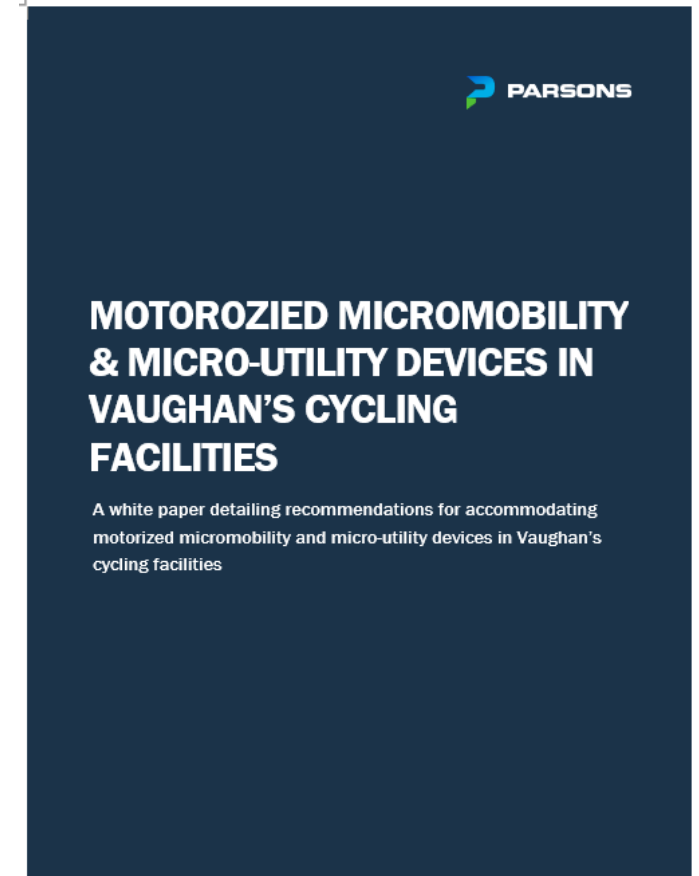
- Operating in mixed traffic on the road
- The speed of the power-assisted micromobility devices
- **Lack of clarity on where to ride the devices**

Addressing what we heard: Best Practices Research

Engaged consultant to complete research paper:

- Jurisdictional scan of best practices in North America
- Appropriate design of cycling facilities for micromobility devices
- Other recommendations to enhance safety for all users

Determined that designated cycling facilities in Vaughan can accommodate micromobility devices



Recommendations:

Where micromobility should be permitted

- Permit on designated cycling facilities (cycle tracks, bicycle lanes and in-boulevard multi-use paths)
- Permit on roads with speed limits ≤ 50 km/hour if designated cycling facilities are not provided
- Design all future designated cycling facilities to accommodate micromobility devices (cycle tracks / bicycle lanes of 2.0m; in-boulevard multi-use paths of 4.0m)
- Prohibit on sidewalks or on any roadway that prohibits pedestrians and/or bicycles (e.g. controlled-access highways)
- Prohibit on recreational multi-use trails and in parks and playgrounds








Cycle tracks under construction along Clark Avenue (2020)



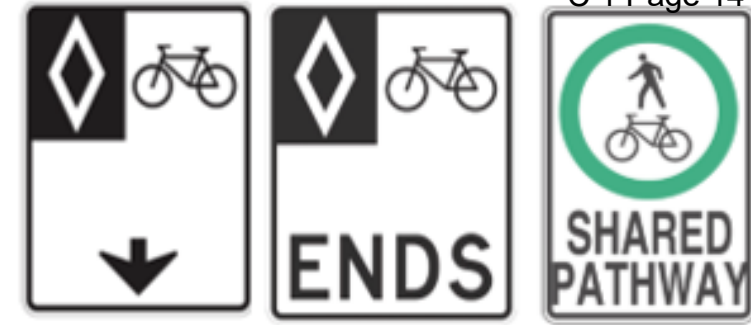
In-boulevard cycle tracks along Millway Avenue within the Vaughan Metropolitan Centre

Recommendations:

Where micromobility should be permitted

| |   E-bikes E-scooter | Other Power-Assisted Micromobility Vehicles    Segway E-hoverboard E-unicycle | |
|------------------------------|---|--|-------|
| Roadway | Yes ✓ | Yes ✓ ≤ 50km/hour | No ✗ |
| Bike Lane | Yes ✓ | Yes ✓ | No ✗ |
| Cycle Track | Yes ✓ | Yes ✓ | No ✗ |
| In-boulevard Multi-use Path | Yes ✓ | Yes ✓ | No ✗ |
| Sidewalk | No ✗ | No ✗ | No ✗ |
| Recreational Multi-use Trail | No ✗ | No ✗ | No ✗ |
| Parks and Playgrounds | No ✗ | No ✗ | No ✗ |
| Private Property | Yes ✓ | Yes ✓ | Yes ✓ |

Recommendations: Additional Safety Measures



Source: York Region Pedestrian and Cycling Planning & Design Guidelines

- Where appropriate, consider incorporating:
 - Separators (e.g. buffer zones, bollards, planters, street furniture) to reduce conflicts
 - Passing zones to allow higher speed devices to pass safely
 - Pavement markings and signage to improve awareness for all road users
- Proper maintenance of infrastructure results in improved safety outcomes.
- ❖ **Public Education and Outreach** is critical to guide users on responsible and safe behavior while operating micromobility devices.
- Enforcement should be considered as a last resort.

Recommendations:

Initiate Shared E-bike / E-scooter Pilot Project

A shared e-bike and/or e-scooter service allows users to rent these devices for limited time use.

The benefits of this pilot project may include:

- Enabling a new form of convenient transportation to access major destinations and transit
- Showcasing safe and responsible use of micromobility devices through device programming rather than enforcement
- Providing information on how best to leverage these devices in the transportation system
- Understanding the potential environmental, economic and financial impacts of e-bikes and e-scooters



Recommendations: Raise Public Awareness



The key to ensuring safety for all road users is to raise public awareness through education and outreach. This allows the city to communicate with the public and provide information on:

- What power-assisted micromobility devices are
- Where they are permitted to be used
- How to use them responsibly and safely
- How to provide feedback and get more information
- What penalties could be incurred if used improperly



Questions

NMRP

North Maple Regional Park

A special place where nature, culture and recreation meet

September 13, 2023

NMRP Vision

The 900-acre North Maple Regional Park (NMRP) is the City's most ambitious park development to date with a vision to *create a nationally significant signature park and legacy project for future generations.*

Key objectives for implementing the NMRP vision are focused on activities related to *restoring nature, sharing culture, promoting active living and building community.*



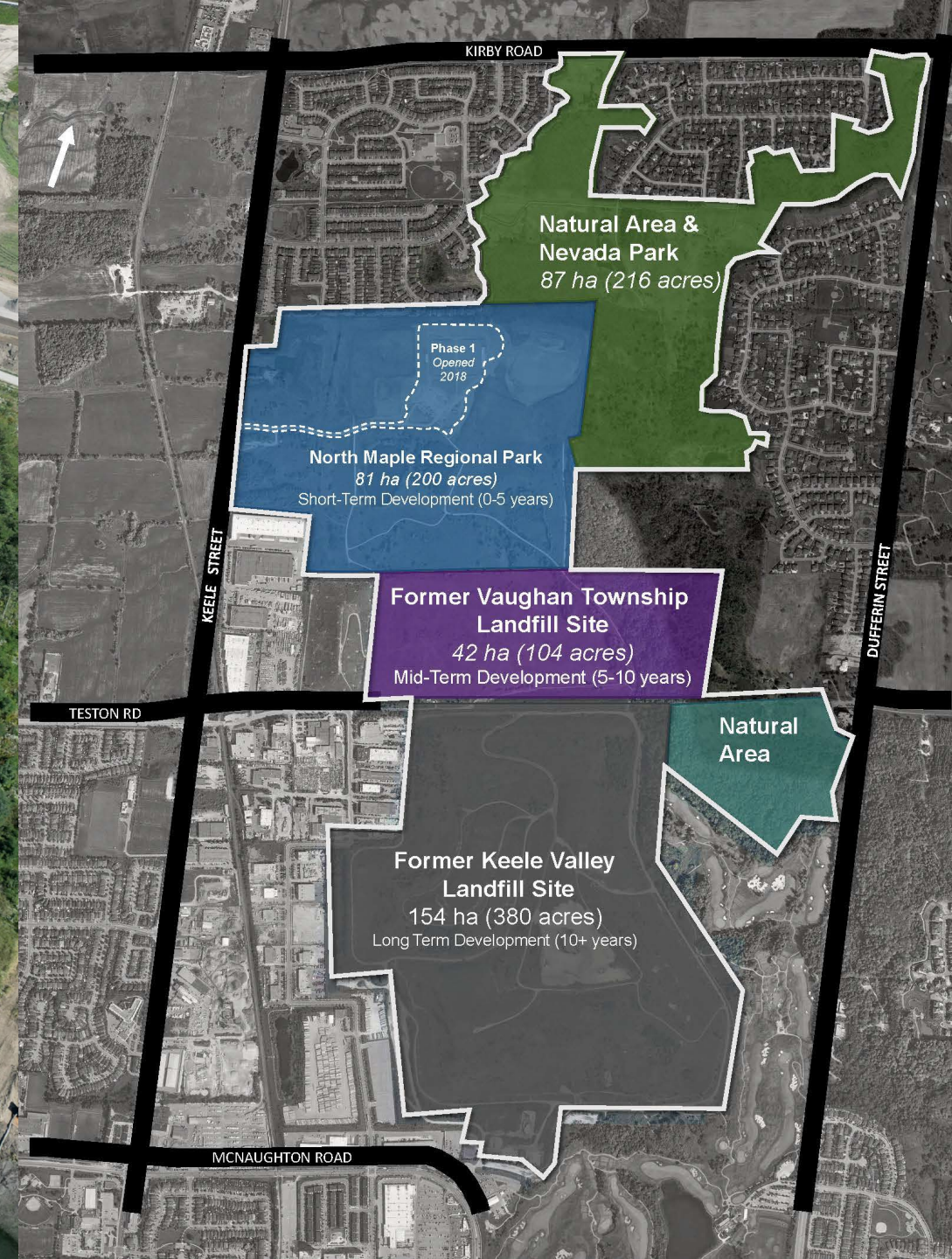
The Plan

The Park Vision is ambitious and will need to be developed in many phases over the coming years.

Short-Term development plans include potential partnerships, trails, playgrounds, picnic areas, sports fields, event space, and environmental restoration areas

Preliminary work is required to begin preparing the site for **Mid-Term development over the next 5-10 years.**

Long-term development consists of developing and programming the former landfill sites.





Phase 1 (FIFA certified fields opened September 2018)

Current Program Activities

Current NMRP Program activities are focused on developing space for gathering areas, pavilions, picnic areas, children's play, and botanical garden elements which will promote *growth of events and cultural programming at the park* and support *visitor experience, community services and special events*.

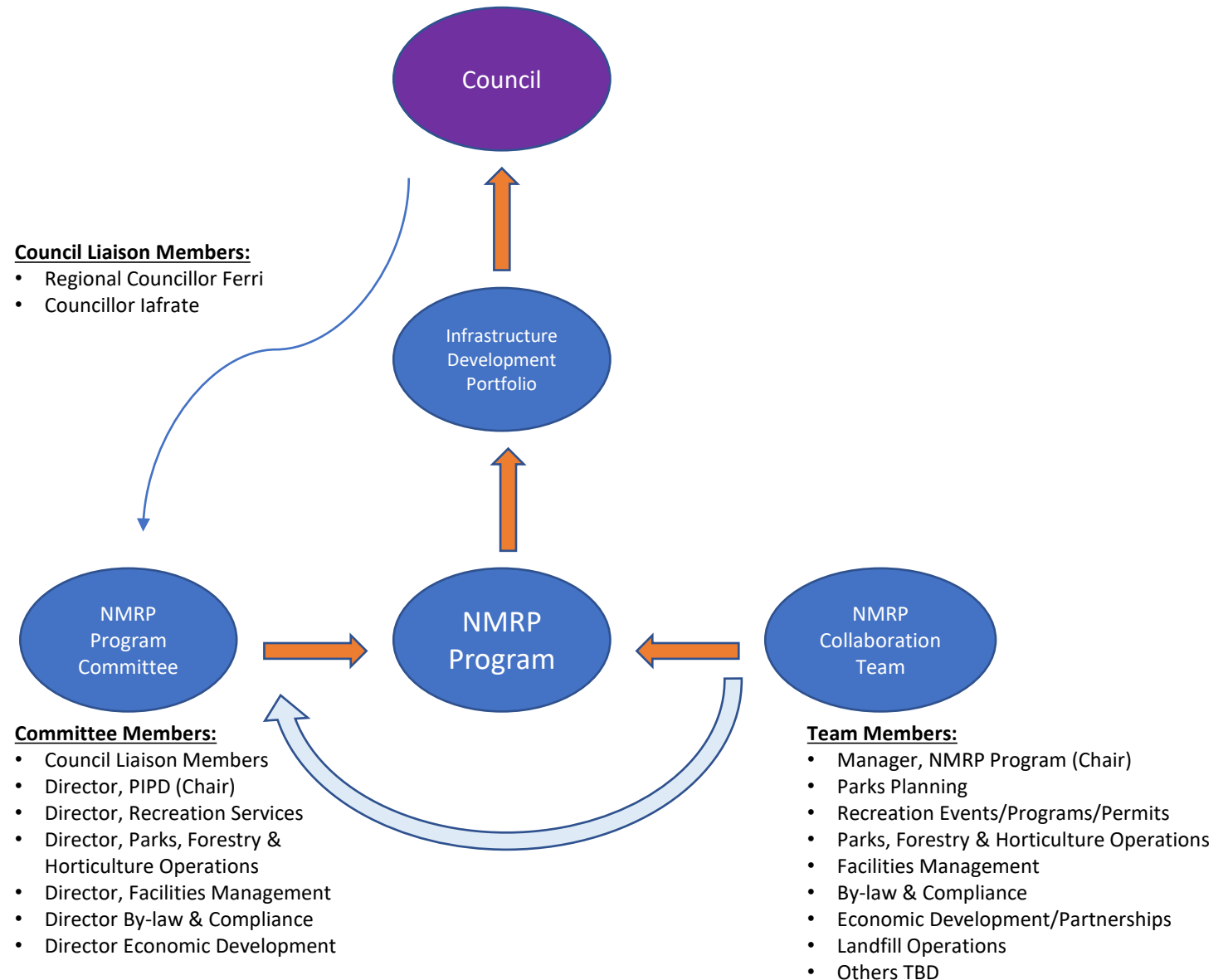


Canada Day 2019



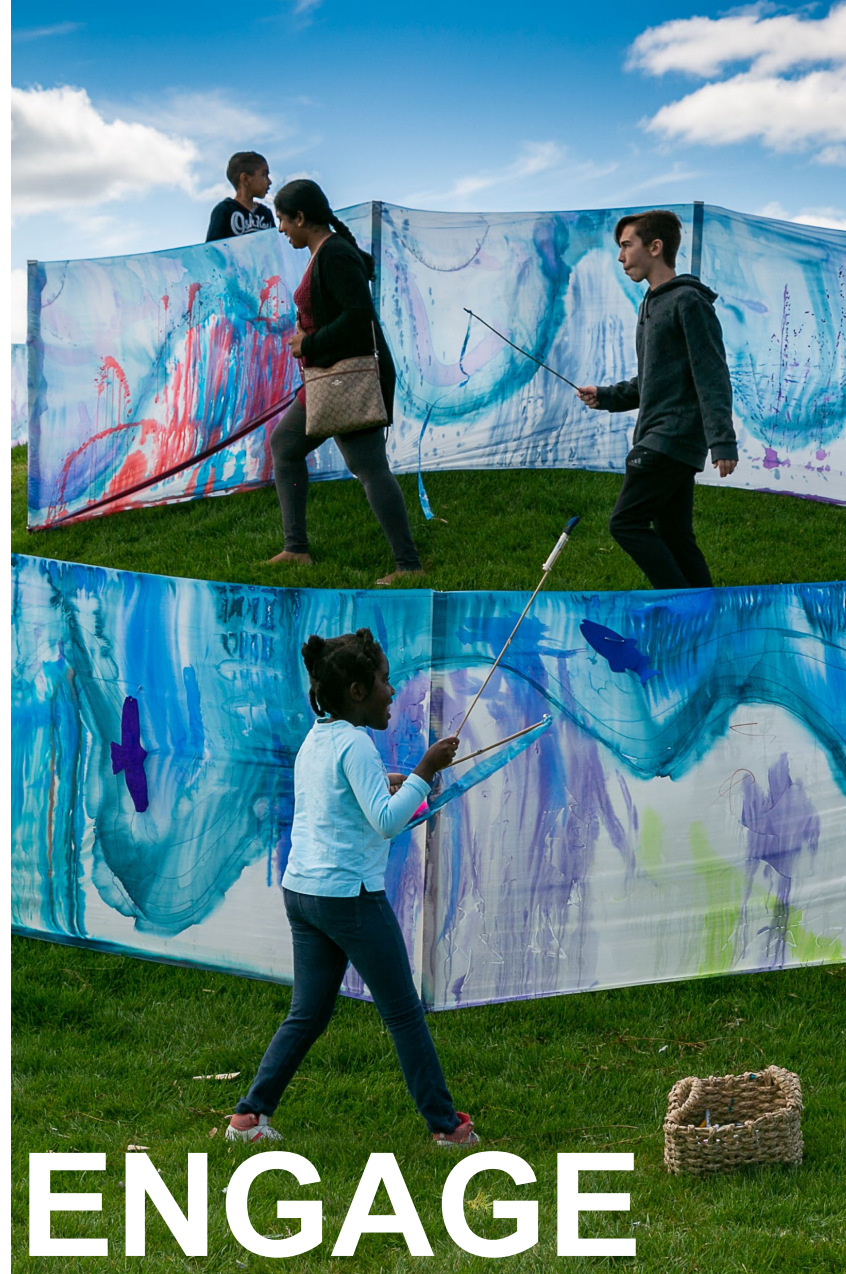
Ride for SickKids August 2023

NMRP Program Structure





RESTORE



ENGAGE



PLAY

An aerial photograph of a park. A paved path winds through a lush green landscape. To the left is a dense forest of tall trees. To the right is a grassy field with scattered trees. In the far distance, a city skyline is visible under a clear blue sky.

Where we're going...





Vaughan's signature park

NORTH MAPLE REGIONAL PARK

restoring nature, sharing culture, promoting active living and building community



Restore nature



- | | |
|-------------|---|
| 2022 | • Enabling Works Construction (50% Complete) |
| 2023 | • Wetland Improvements & ecological restoration |
| 2024 | • Eco-Classroom • Community Tree Planting |
| 2026 | • Landfill Technical Studies & Closure Plans |

Share culture



- | | |
|-------------|--|
| 2023 | • Snowtubing Agreement |
| 2024 | • Event Lawn Area • Botanical Garden Elements |
| 2025 | • Festivals, Events & Market Space • Educational & Youth Programs |
| 2026 | • Art Installation & Indigenous Spaces |

Promote active living



- | | |
|-------------|---|
| 2022 | • ICIP Trail Improvements (Completed) |
| 2023 | • Family Recreation Area Design • Keele Street Multi-Use Pathway • National Soccer Training Centre Feasibility Review |
| 2024 | • Cricket Field • Toboggan Hill |
| 2025 | • Family Recreation Area Construction |
| 2026 | • Off-leash Dog Park |

Build community



- | | |
|-------------|--|
| 2022 | • Support Teston Road IEA & Dufferin Road EA |
| 2023 | • Artistic Site Signage Installation (50%) • Vaughan CARES Storyboard |
| 2024 | • 900-Acre Master Plan Study • PPP Feasibility Review |
| 2025 | • Stewardship Groups & Programs |
| 2026 | • Volunteer Program |

Enabling Works





PHASE 1 - COMPLETE

**PHASE 2
ENABLING WORKS IN-PROGRESS**

FUTURE PHASE





Eco-Island

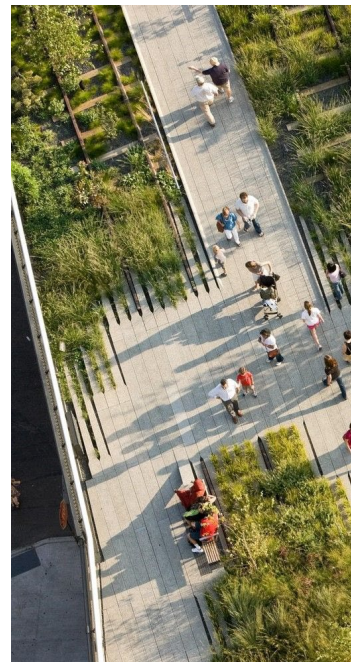
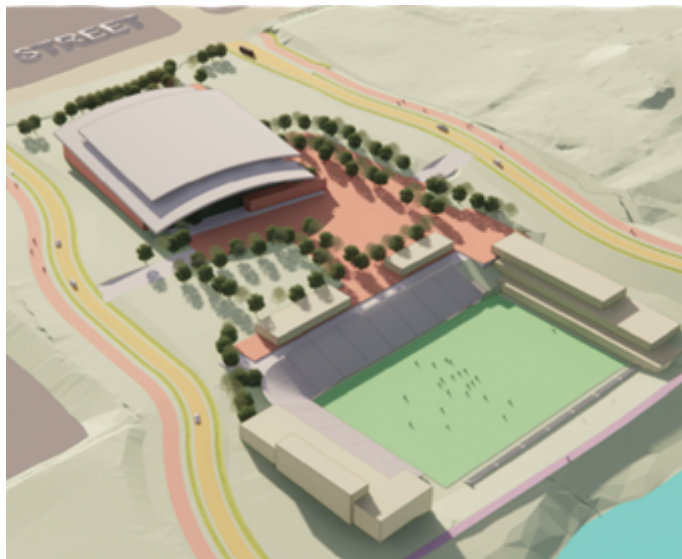
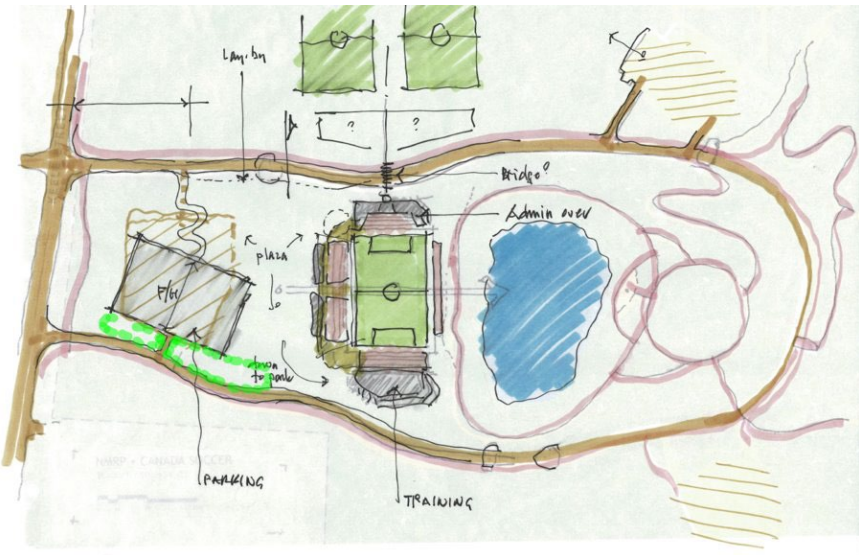






National Soccer Training Centre







The Master Plan

Develop a framework for the long-term development, programming and management of **all 900 acres**.



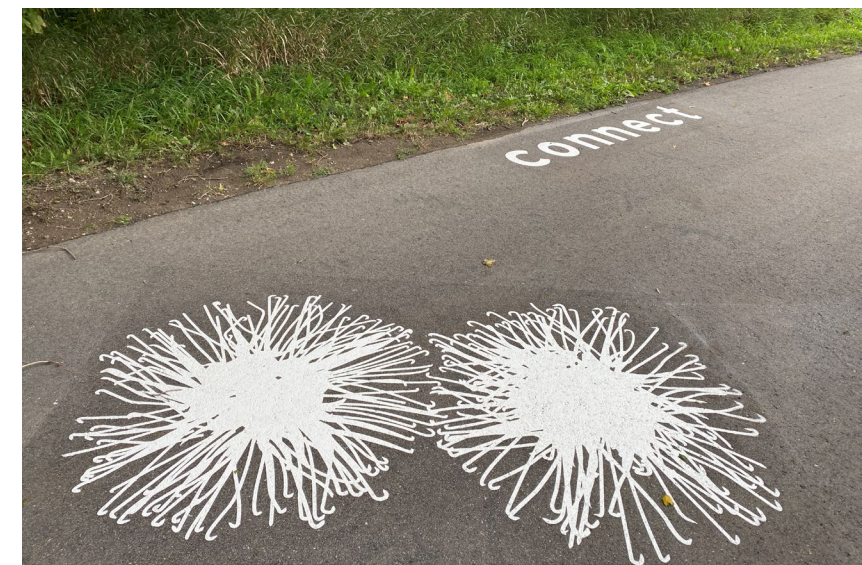
Artistic Site Signage





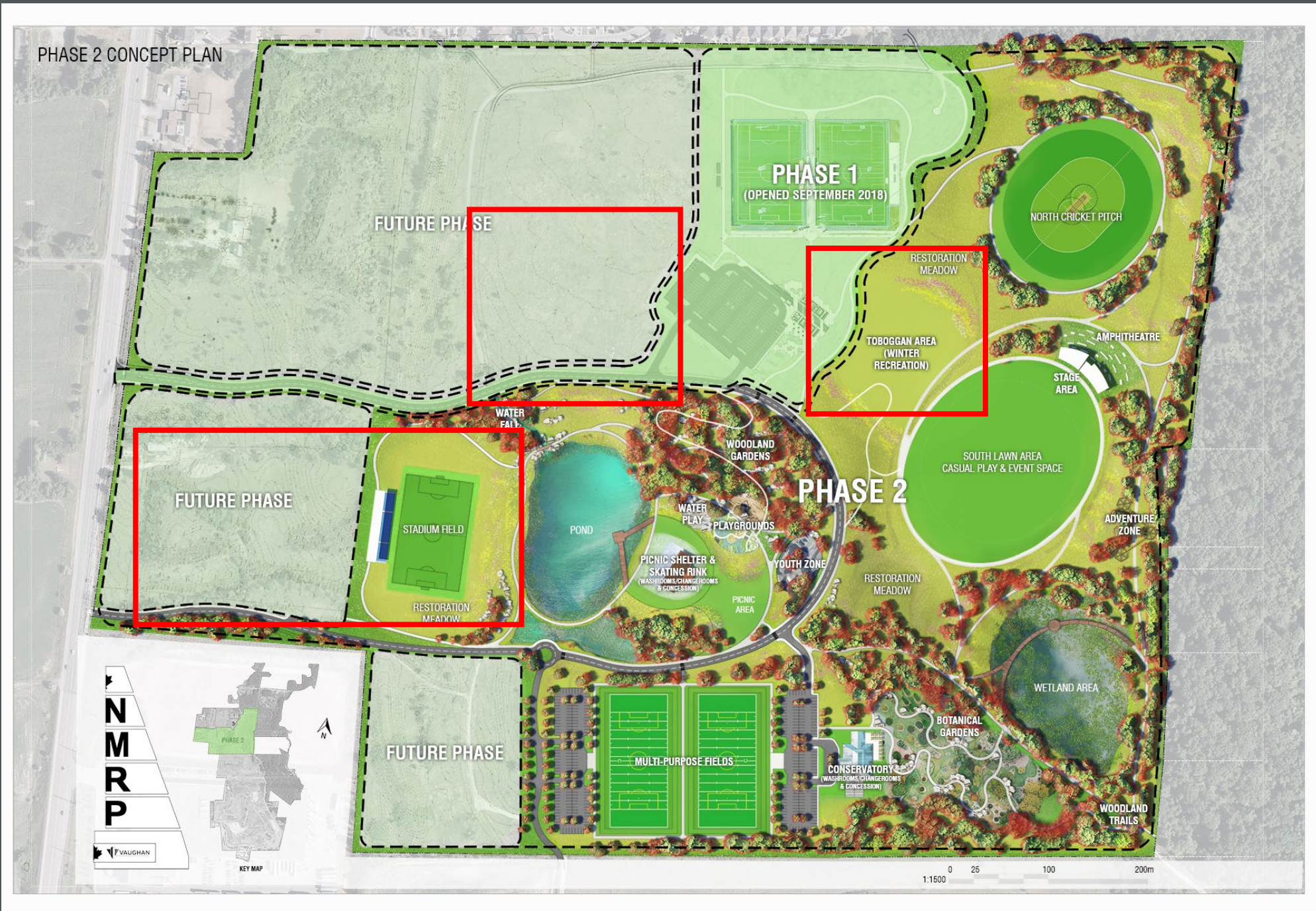


Rendering of Key Message Wall





Partnership Opportunities





Family Recreation Area







Project Timeline

2023

Develop vision for
Family Recreation Area

2023/2024

Preliminary concept design
Start detailed design

2024

Finalize detailed design and
issue tender documents

2025

Advance construction

2026

Complete construction
of Family Recreation Area and
botanical garden components



Next Steps & Timing

- Complete ***Artistic Signage*** installations in **Q4 2023**
- Finalize and report back on ***National Soccer Training Centre*** concept design and feasibility review by end **Q4 2023**
- Start design development of ***Family Recreation Area*** in **Q4 2023**
- Initiate ***Master Plan*** community engagement in **Q1 2024**
- Open sections of the ***Enabling Works*** for public use by **Q2 2024** and fully complete by end **Q3 2024**

Questions & Discussion

For more information, please contact:

Jennifer Cappola-Logullo

Manager, Design & Construction, NMRP Program

jennifer.logullo@vaughan.ca

Jamie Bronsema

Director, Parks Infrastructure Planning & Development

jamie.bronsema@vaughan.ca





VAUGHAN SOCCER CLUB INC.

PO Box 852, 11151 Keele St., Maple, ON, L6A 1S8

T. 905.832.0911 F. 905.832.0624

www.vaughansoccer.com

September 11, 2023

Communication : C 3
Committee of the Whole (Working Session)
September 13, 2023
Agenda Item # 2

Mayor Del Duca and Members of Council

We are writing this letter to express our warmest and sincerest gratitude for the leadership and support that Council has demonstrated over the years and continue to do so for advancing the community's vision for North Maple Regional Park, which is helping address important issues and challenges that our club and community at large are faced with.

As a growing community, the Vaughan SC registrations have consistently increased, and we currently have over 5000 registrants. We feel that our recreational, all abilities and competitive programs play a very important role in the community and help identify Vaughan as a leader for the game of soccer in the Region and Province.

In collaboration with the NMRP staff team, Vaughan SC has had the opportunity to share a common vision for NMRP with the public interest in mind.

As you are aware, our immediate need is for an indoor training space. Vaughan SC envisions that this facility would be a shared space between the city and our club to address the community needs. We currently have to rent many of our indoor facilities outside of the City of Vaughan at significant cost to accommodate our programs and growth. We feel that having an indoor center located at NMRP is aligned with one of the key objectives of the park that promotes active living and building community for years to come, and we are very supportive of the staff report being presented to Council.

We are truly grateful to be working with the Vaughan team and want to thank Council for your continued support.

Sincerely,

President Tony Bartolomeo

On behalf of the Vaughan Soccer Club



September 9, 2023

To: members of Council, Jamie Bronsema and Cam Collyer

It is a pleasure to work with members of Council, Jamie, Cam & their teams in the development process of North Maple Regional Park.

The many dedicated volunteers of Vaughan C.A.R.E.S. have struggled many years to see the NMRP become a reality. The park will be enjoyed by all citizens for many years to come.

After the difficult years with COVID, it has come to our attention how much we need an eco-friendly green space to recharge, rejuvenate and enjoy the natural healing powers of nature.

Thank you, Jamie, for including us in the consultation process and design of the park. We are happy to continue to contribute our ideas for the betterment of the community.

Looking forward to the next stage!

Marcella Di Rocco /gj

*President of Vaughan C.A.R.E.S.
8 Merino Place
P.O. Box 865
Maple, Ontario
L6A 1L1*