The Meadoway & The Multi-use Trail Class Environmental Assessment





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Hydro Corridors Today

- >500 km of transmission corridors in the Toronto Area
- Entire corridor mown multiple times a year
- Thick, non-native fescue grass
- Low biodiversity with poor ecological and hydrological function
- Lacks aesthetic appeal







Reimagining Corridors – Untapped Potential





But Can It be Done? Scarborough Centre Butterfly Trail



- 3.5 km section of the hydro Corridor
- Prior to 2011, a barren ~40 ha area of grass was mowed eight times annually
- Entire section of corridor restored to meadow habitat, with trail improvements
- Revitalized the space, reintroduced native vegetation,



The Meadoway – Community Powered Greenspaces

Builds off of the success of the SCBT

ENVIRONMENT

& EDUCATION

- Restores 200 ha of meadow and completes over 16 linear km of multi-use trail
- Establishes a full link between downtown Toronto and Rouge National Urban Park





FOR

REVITALIZATION

& PUBLIC

REALM

The Meadoway – Core Components



Meadow Restoration





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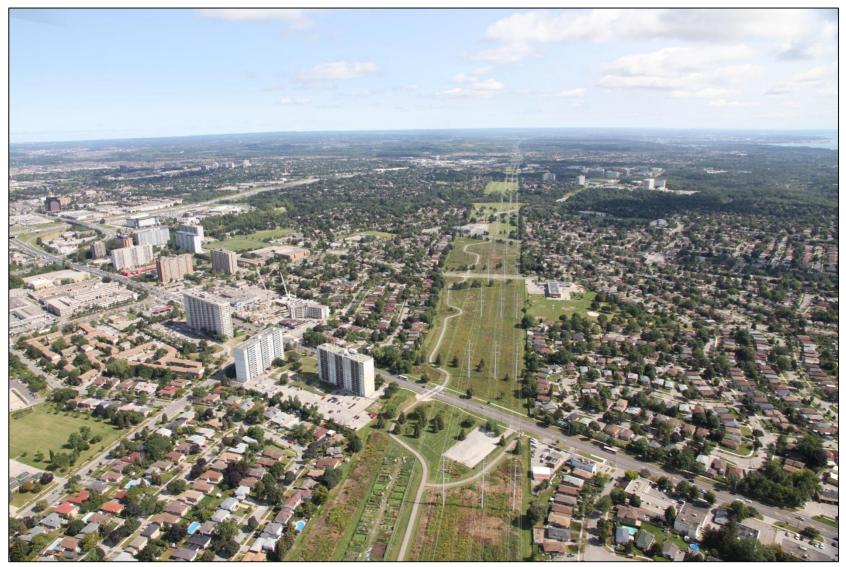
Planning & Design of the Multi-use Trail via Class Environmental Assessment





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Why Plan a Multi-use Trail?

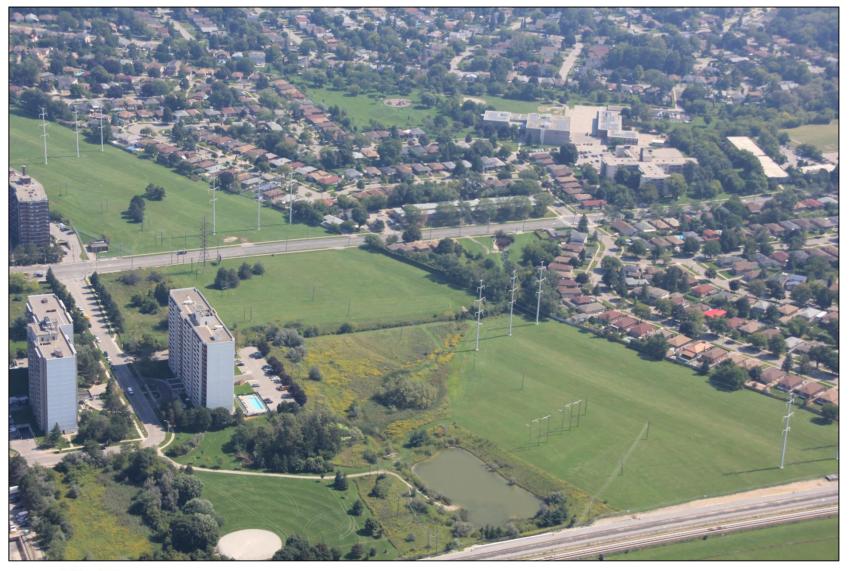




Looking East at Markham Rd.

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The Existing Trail is Fragmented





Kennedy Rd. to Midland Ave.

With Impressive Planning Challenges





Highland Creek at Ellesmere Rd. and Military Trail

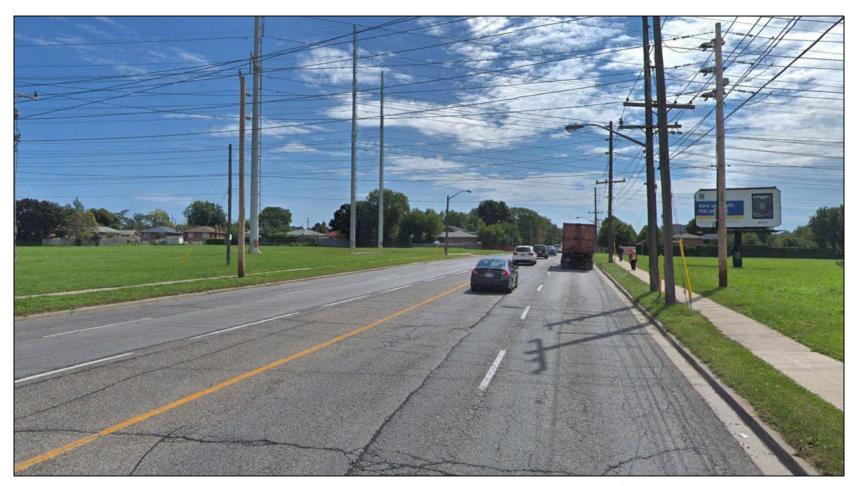
Both Natural and Man-made





TTC Line 3 & GO Stouffville Line (east of Kennedy Rd.)

Both Natural and Man-made



Midland Avenue, a 4-lane, 50 km/h major arterial road



The Meadoway Multi-use Trail Class EA

1. What is an environmental assessment (EA)?

A process used to predict environmental effects before project implementation

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2. What are the benefits of the EA process?

- Minimize or avoid adverse environmental effects before they occur
- Incorporate environmental factors into decision making
- Provide for meaningful public and stakeholder participation

3. Why are we undertaking an EA for The Meadoway?

- Identify and evaluate a range of potential multi-use trail alignments and bridge crossings for sections of the hydro corridor where no trail currently exists
- Select and refine a preferred alignment and connect with existing network

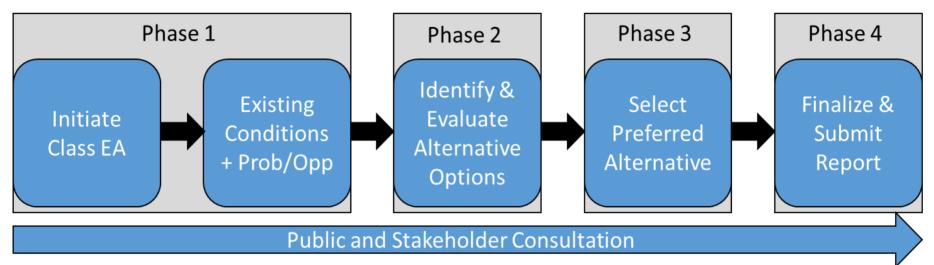
SWC

4. How are we doing it?

- The Municipal Engineers Class Environmental Assessment Schedule C framework
- Technical studies to ensure safety and minimize impact
- Meaningful public and stakeholder engagement



Key Phases of The Meadoway Class EA



- Formally initiated in October of 2018
- Development of guiding principles, objectives, and opportunity statements
- Assessment, analysis, and synthesis of existing conditions



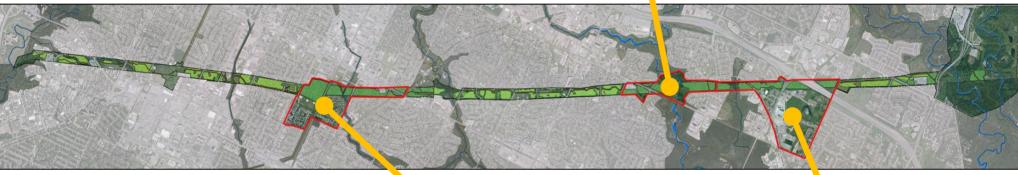
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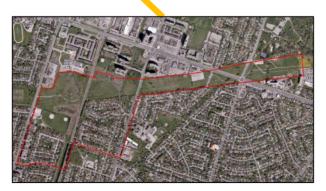
A Focus on "Incomplete" Sections of the Corridor

- 16 linear kilometre trail
- 7 sections
- 4 "Complete"
- 3 "Incomplete"

S5 - Scarborough Golf Club - Neilson Rd.







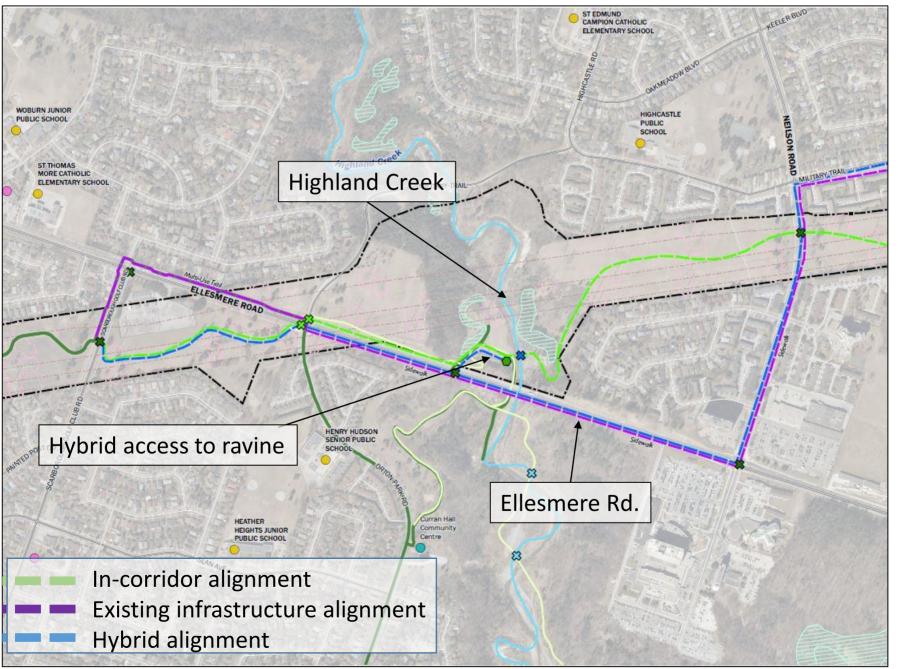
S3 - Kennedy Rd. - Thomson Memorial



S6 - Neilson Rd. – Conlins Rd. www.themeadoway.ca



Section 5 – Scarborough Golf Club to Neilson Rd.

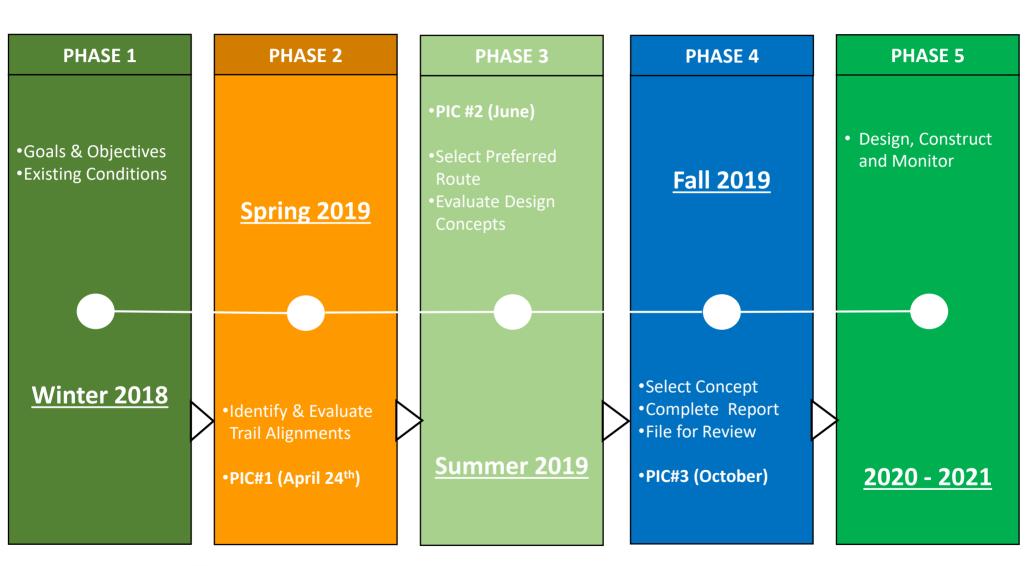


Objectives-based Evaluation

Proposed Objective	Evaluation Criteria
Provide a positive user experience Protect and enhance natural features	 Maximizes interaction and connection to urban greenspace Opportunity to provide education and stewardship Capacity to maximize naturalization/restoration of the hydro corridor Minimizes amount of natural habitat removed/disturbed Minimizes impact to watercourses Minimizes potential for impacts to valley slopes (e.g. erosion)
Provide connections	 Extent of linkages to multi-modal transportation, other trails, and key amenities Length of new trail connection (related to travel distance and time)
Maintain a safe environment for all potential trail users	 Extent and character of trail that has the ability to minimize potential conflict between trail users and vehicles along with other user types Extent of trail that has the ability to meet and/or exceed AAA and AODA for trail design Minimizes potential for concern regarding personal security Minimizes potential for flood risk to trail users
Be good neighbours	 Minimizes potential for operations/maintenance impacts on corridor and roads Minimizes potential for impact on neighbours adjacent to the corridor as well as road users Extent of support/leverage for other infrastructure initiatives
Be cost effective	 Constructability Capital cost Operating and maintenance cost

COMMUNITY POWERED GREEN SPACES

Looking Ahead





Visualization Toolkit Overview





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Guiding Principles



Connections

A seamless east-west connection should be created to link Rouge National Urban Park to Downtown Toronto. The Meadoway will re-establish the original link between the region's ravine systems that run north-south through the corridor.



Community + Public Realm

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The Meadoway will stitch together the surrounding neighbourhoods, creating new connections and enhancing existing links. A wide range of public spaces will be provided for people to socialize, congregate, and support community events.



Natural Environment and Education

The restoration and programming of The Meadoway should increase access for a wide range of users so that they can explore, learn, and enjoy the urban green space. It will become a platform for stewardship, education, and research on natural habitats.



Transportation

Increasing opportunities for alternative, non-vehicular modes of transportation within the Greater Toronto Area will reduce car dependency and equitable access. The corridor will advance the integration of a multi-modal transportation system.



Recreation

The Meadoway will encourage outdoor recreational opportunities along the trail network or adjacent spaces, for a wide range of users and communities or neighbourhoods.

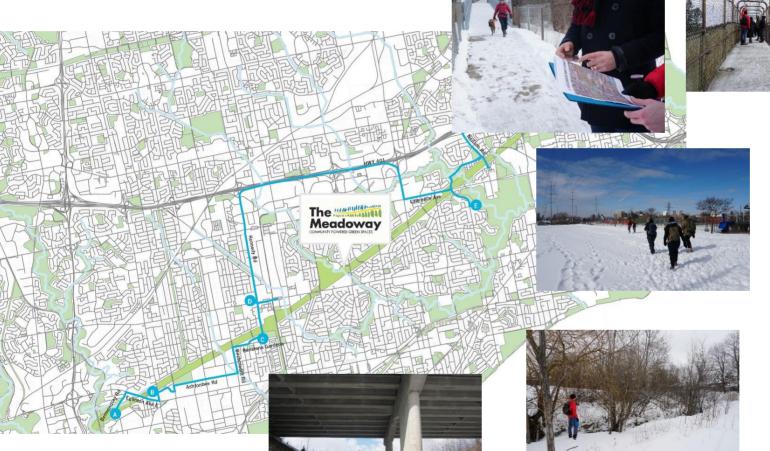


Blueprint for Revitalization

Throughout the process and upon implementation, The Meadoway will serve as a model for how to successfully revitalize and repurpose hydro corridors in both a local and international context.



Field Investigation



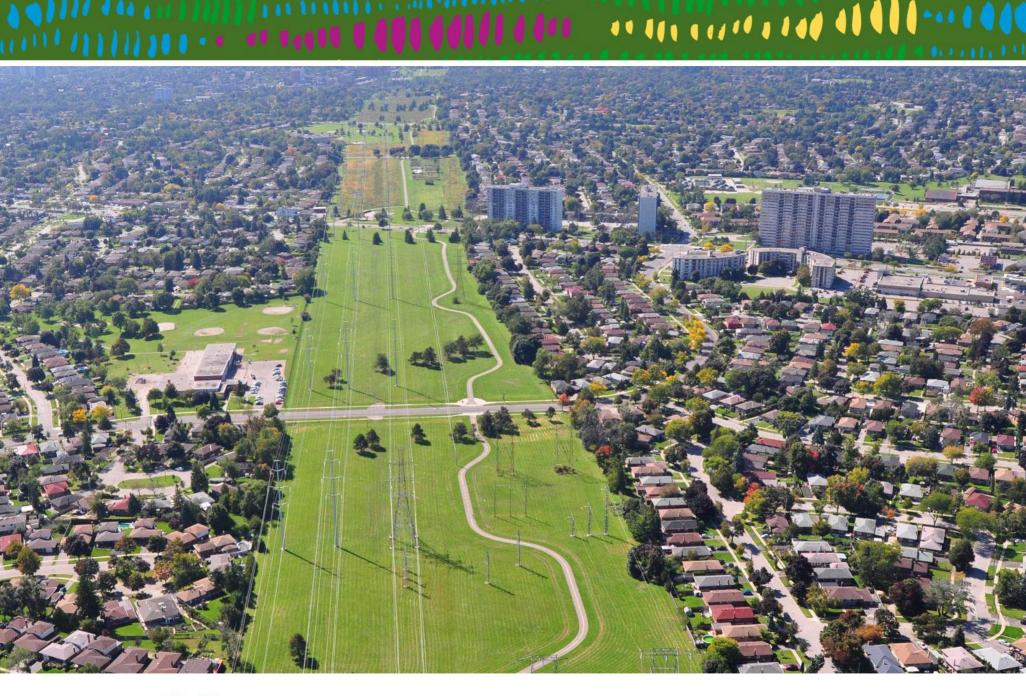


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- Many local schools, libraries, community centres, places of worship
- Opportunity to establish important connections between the wider community and the natural environment



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Existing Conditions: Transit

- Local multi-modal hubs (Kennedy Station, Scarborough Town Centre, etc.
- Future transit improvements: Scarborough subway, Regional Express Rail (RER),
 Eglinton Crosstown and Eglinton East LRT



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Existing Conditions: Cycling

- Toronto Ten-Year Cycling Plan includes new and improved bike routes
- Connection to trails (East Don River Trail, West Highland Creek Trail, Upper Pan Am Path, Rouge Park Vista Trail, etc.)



Existing Conditions: Crossings Lanes of traffic to be crosses

- 31 road crossings, 1 rail, and 6 creek crossings; lanes of traffic identified
- Important to prioritize pedestrian and cyclist safety as crossings are built or upgraded to support multi-use trail usage



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Existing Conditions: Ravine Coverage and Topography

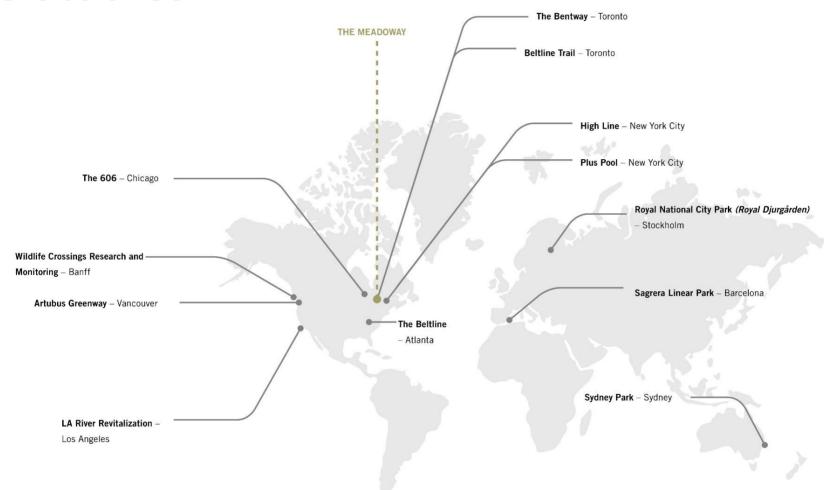
- Important historical ravines and water bodies that were once used for travel and trade can be good storytelling opportunities
- Highlight the changes in topography through planting and trails



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Case Studies





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Case Studies

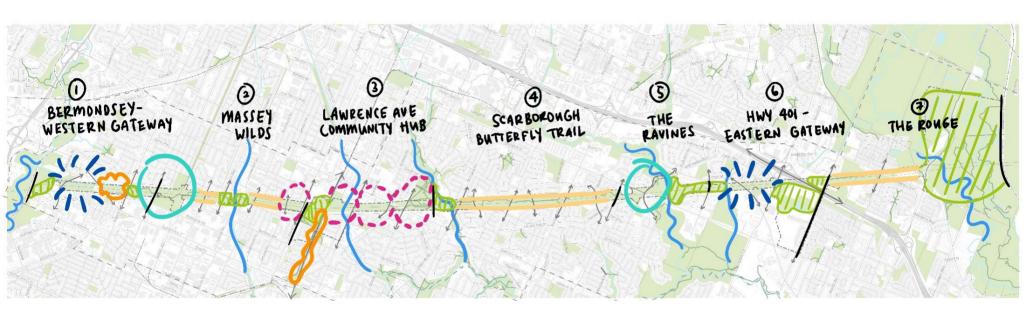




PERKINS+WILL

PERKINS+WILL

How it all comes together!



LEGEND





Passive Meadows





Wild / Immersive Experiences



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Lookout Point



Section 1: Bermondsey-Western Gateway

East Don Trail to Pharmacy Avenue





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Section 1: Bermondsey-Western Gateway

East Don Trail to Pharmacy Avenue













Section 2: Massey Wilds

Pharmacy Avenue to Kennedy Road





Section 2: Massey Wilds

Pharmacy Avenue to Kennedy Road







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Section 3: Lawrence Ave Community Hub

Kennedy Road to Thomson Memorial Park

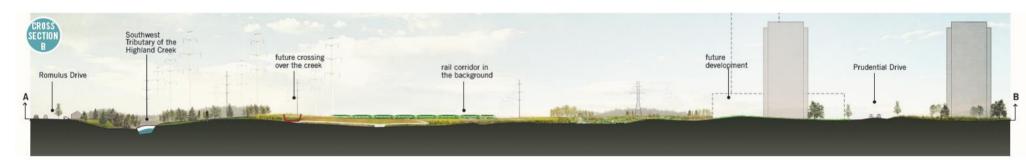




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Section 3: Lawrence Ave Community Hub

Kennedy Road to Thomson Memorial Park









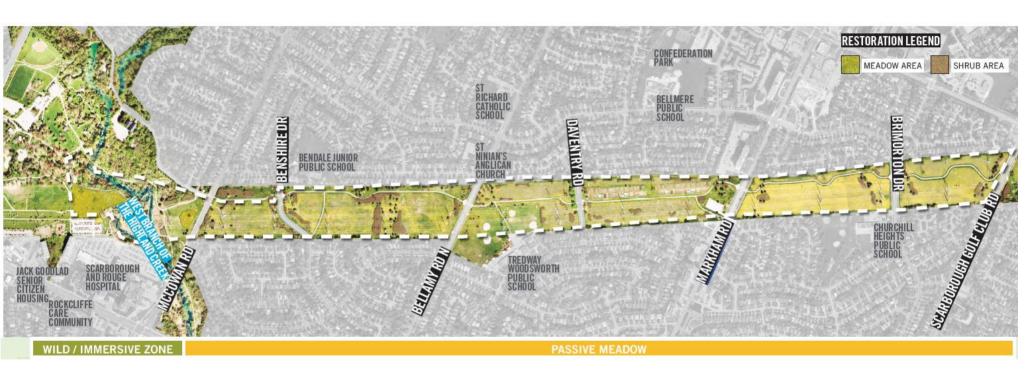




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Section 4: Scarborough Centre Butterfly Trail

Thomson Memorial Park to Scarborough Golf Club Road





Section 4: Scarborough Centre Butterfly Trail

Thomson Memorial Park to Scarborough Golf Club Road











Section 5: The Ravines

Scarborough Golf Club Road to Neilson Road





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Section 5: The Ravines

Scarborough Golf Club Road to Neilson Road









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Section 6: 401 – Eastern Entrance

Neilson Road to Conlins Road





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Section 6: 401 – Eastern Entrance

Neilson Road to Conlins Road







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Section 7: The Rouge

Conlins Road to Rouge National Urban Park





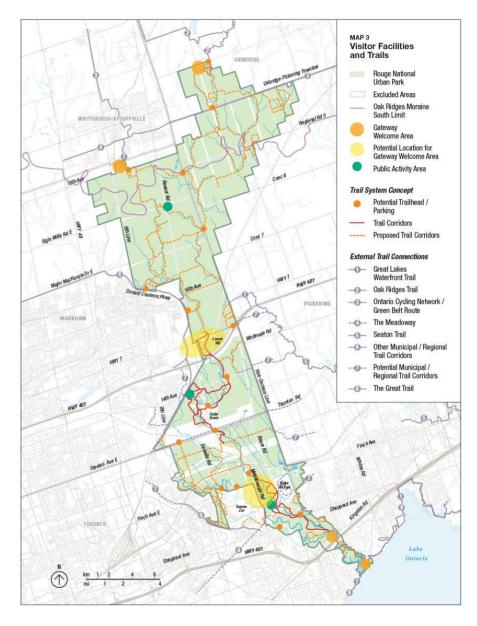
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Section 7: The Rouge

Conlins Road to Rouge National Urban Park







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Public Visioning Workshop: Today

(To be read on both sides of the table)



Draw / interact right on the map!

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QR code to scan with your phone

Precedent Imagery

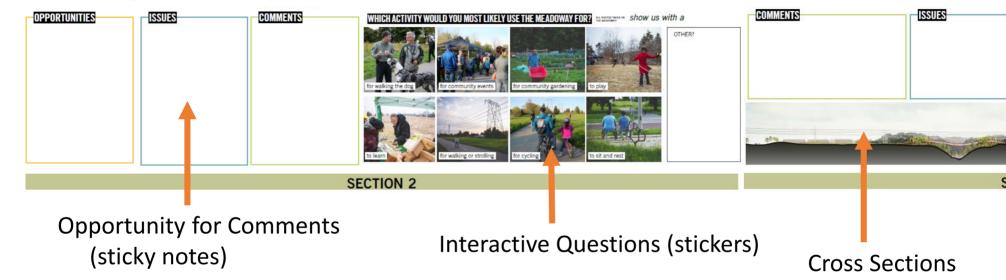
Emerging Vision

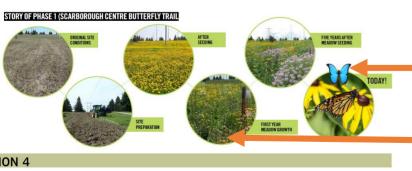


Proposed Zones

Public Visioning Workshop: Today

On the edges of the map (both sides around the table):





Emoji stickers for kids to collect!

Spotlight on meadows / biodiversity



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Next Steps

- Producing a set of visuals renderings and animations
 - Crossings / Bridges
 - Viewpoints
 - Etc.
- Public Meeting 2 / 3
 - June 2019
 - October 2019





