

Active Transportation Master Plan Cycling Advisory Committee Meeting #1



IBI GROUP

City of Brampton

Brampton Active Transportation Master Plan

November 17th, 2016

Agenda

- | | |
|---|----------|
| 1. Welcome | 5 mins |
| 2. Introductions | 5 mins |
| 3. ATMP – Scope, Direction & Objectives | 15 mins |
| 4. Background Review | 10 mins. |
| 5. Project Visioning | 20 mins. |
| 6. Discussion | 40 mins |
| 7. Next Steps | 10 mins |

Study Understanding

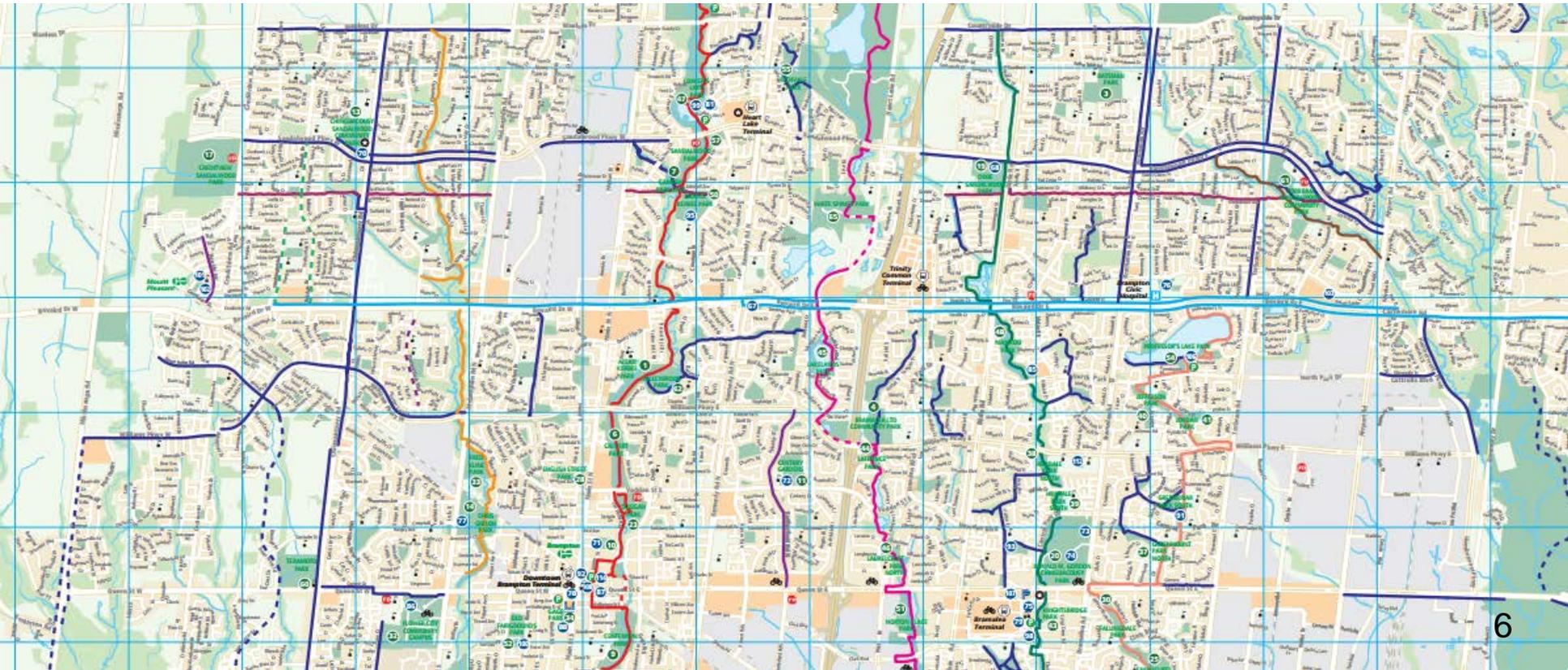
- Use strong building blocks that are already in place
- Focus on prioritizing the network & selecting the “right” facilities
- Not just about cycling – it’s about “mobility”





Research and assess active transportation initiatives currently being implemented within the City to provide the basis of an active transportation strategy

Background Review



Research and assess active transportation initiatives currently being implemented within the City to provide the basis of an active transportation strategy



Background
Review

Key Activities:

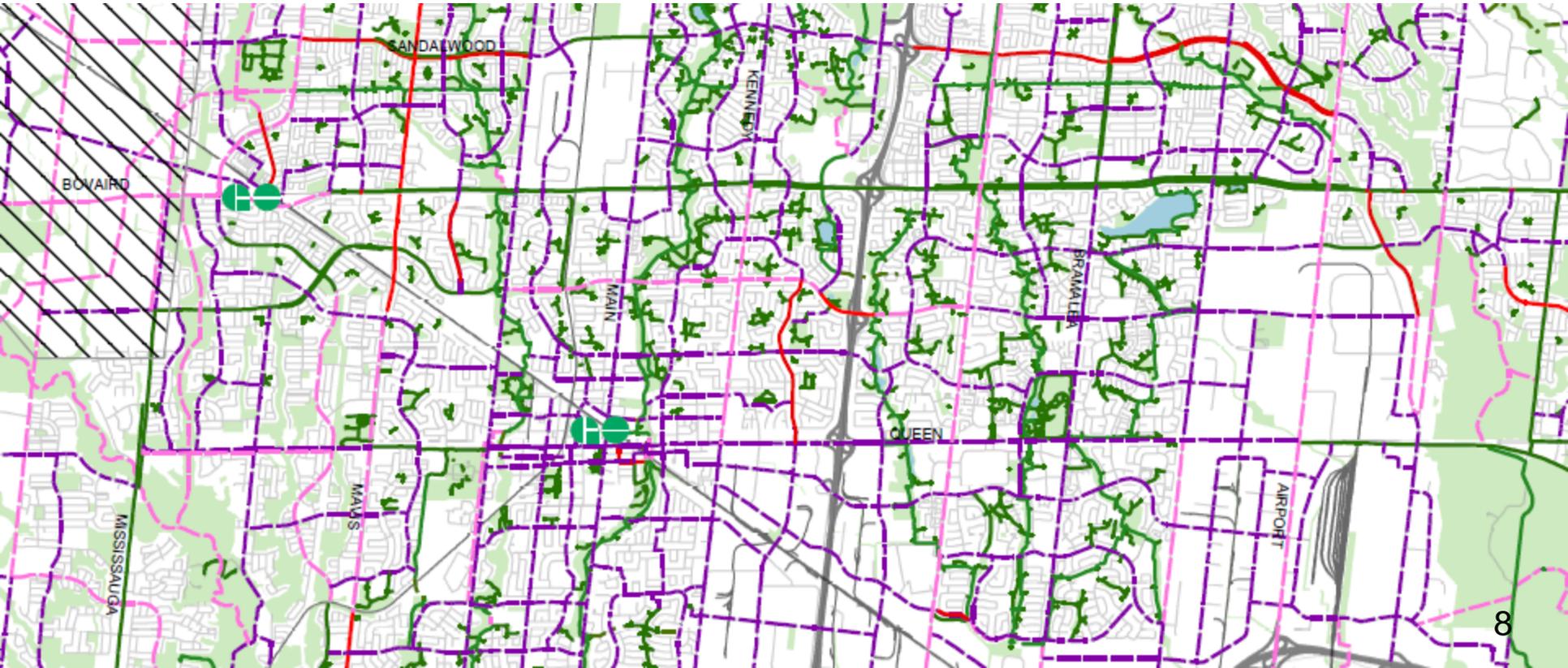
- Background Research
- Cycling tour with staff / stakeholders
- Survey of staff and stakeholder institutional barriers

Deliverables:

- Background Study Report with maps
- WALK Application

Establish a comprehensive active transportation network that will encourage travel by walking and cycling

Active
Transportation
Network



Establish a comprehensive active transportation network that will encourage travel by walking and cycling



Key Activities:

- Network review with staff, stakeholders
- PIC #1

Deliverables:

- Review candidate network proposed through TMP
- Facility type Review
- Intersection improvement identification

City of Toronto Cycling Network Plan

Toronto Cycling App
Summary of 2015 Ridership

Legend

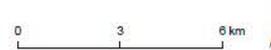
Ridership Heat Map

- High : 3334.27

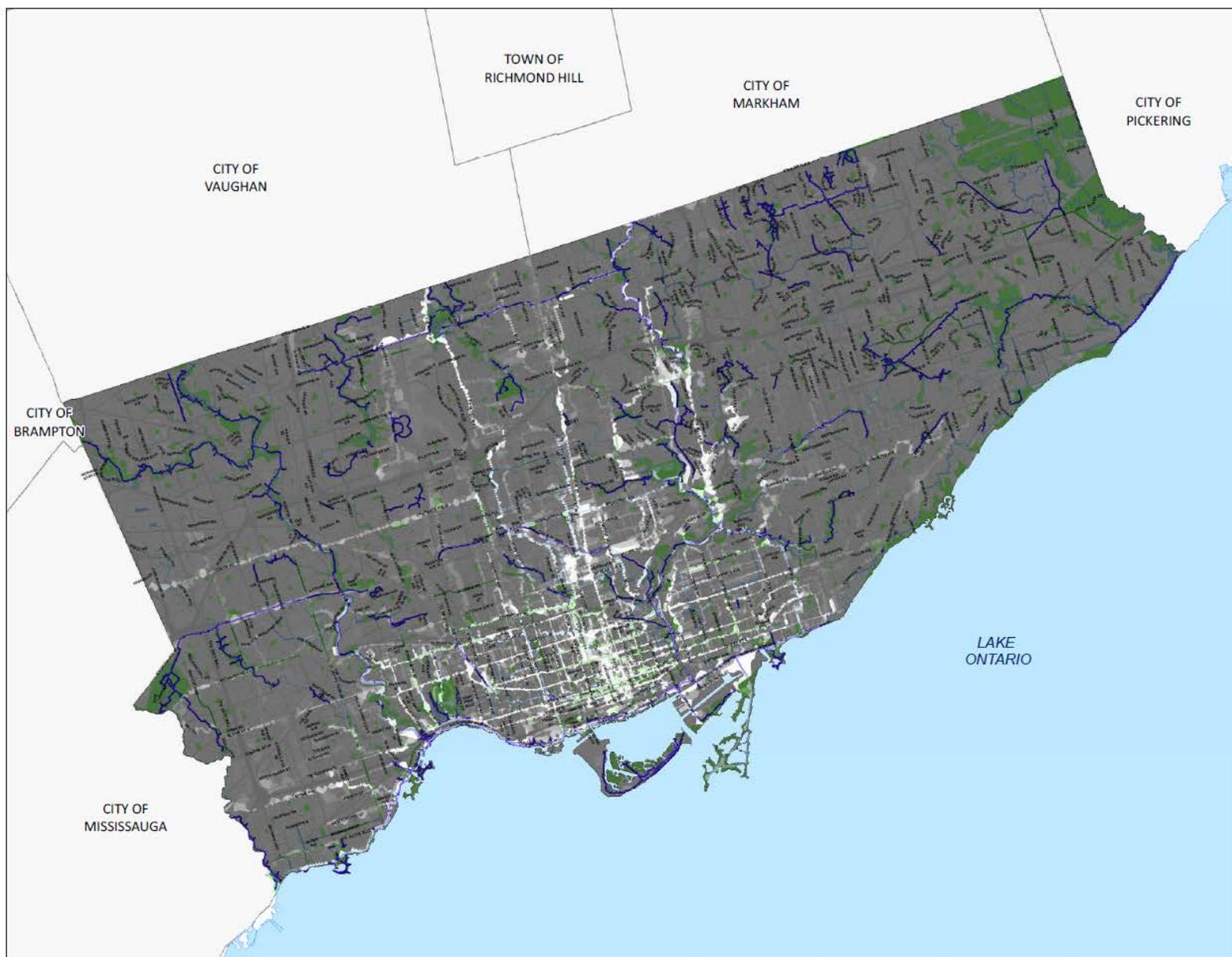


Existing Cycling Network

- Bike Lane | Cycle Tracks
- Trails | Boulevard Trails
- Quiet Street Routes
- Rail Lines
- Freeways
- Major Roads
- Green Spaces



Data source: City of Toronto / IBI Group, 2016
Projection: NAD 1983 MTM 3
Date: July 2016
Cartography: Vélo Québec / IBI Group

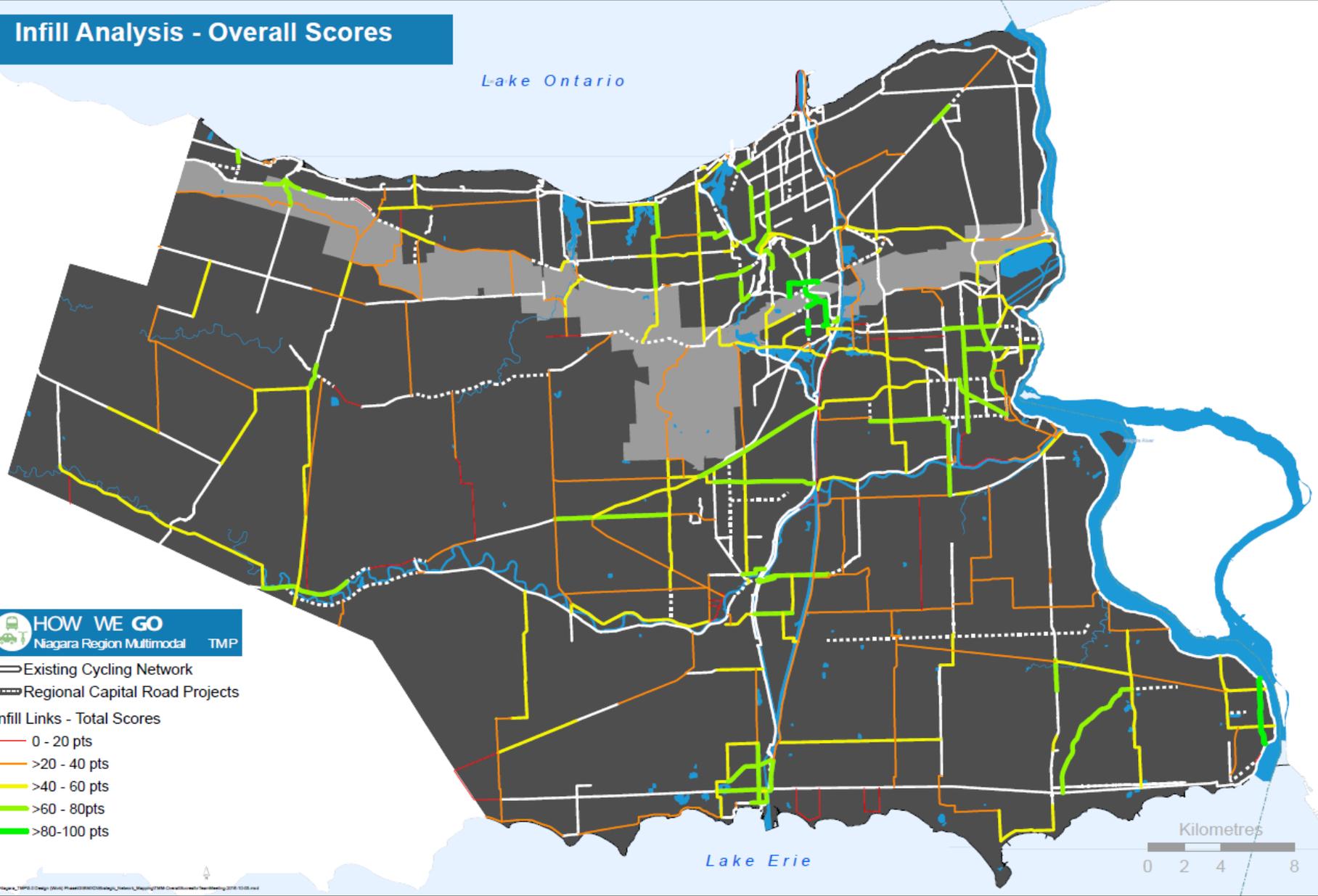


Infill Analysis - Overall Scores

Lake Ontario

HOW WE GO
Niagara Region Multimodal TMP

-  Existing Cycling Network
-  Regional Capital Road Projects
- Infill Links - Total Scores**
-  0 - 20 pts
-  >20 - 40 pts
-  >40 - 60 pts
-  >60 - 80pts
-  >80-100 pts

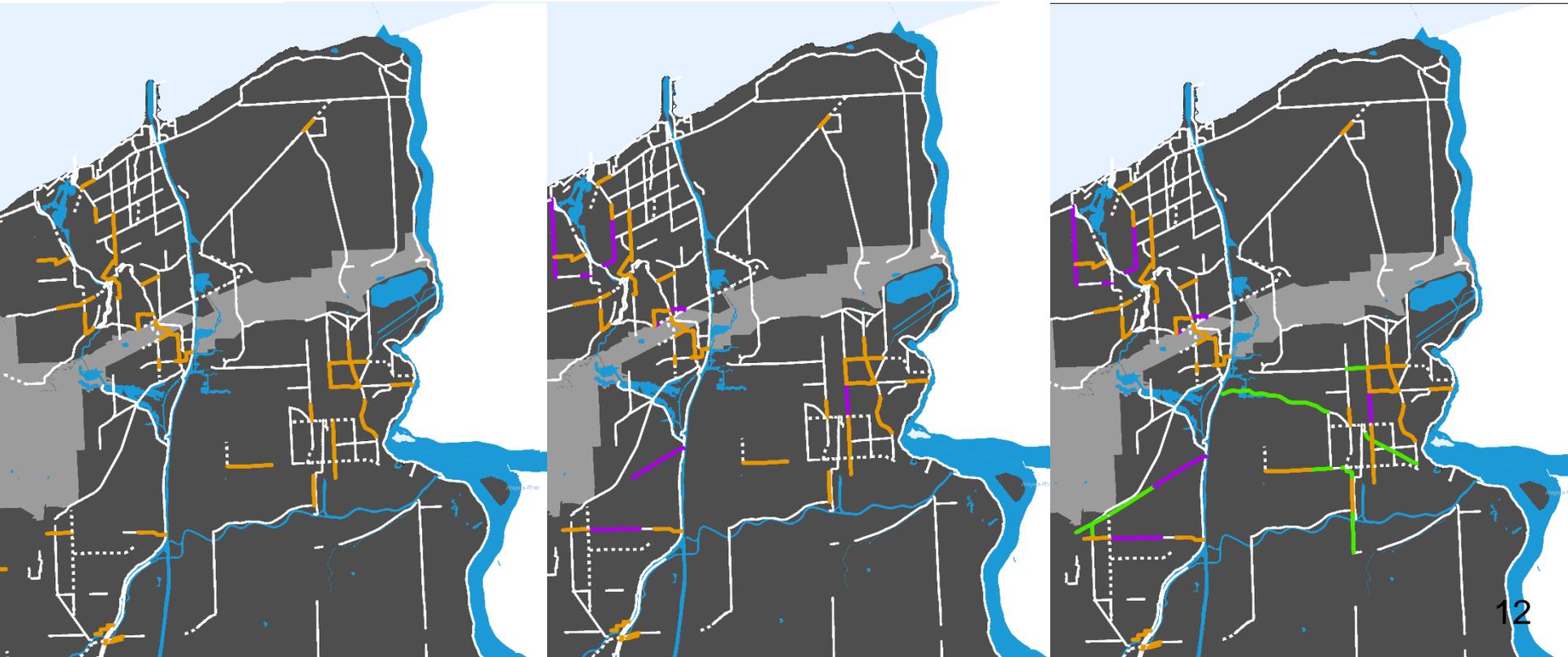


Kilometres

0 2 4 8

Lake Erie

Develop an implementation strategy which will guide staff in the delivery of an active transportation network



Develop an implementation strategy which will guide staff in the delivery of an active transportation network



Deliverables:

- 5-Year Construction Program
- Fix-it Program
- Bicycle Parking Review & Strategy
- Organizational Update
- Maintenance Guidelines

Strengthen active transportation policies, to make walking and cycling a viable, safe and attractive mode of travel

Policy &
Process
Review



Strengthen active transportation policies, to make walking and cycling a viable, safe and attractive form of mobility



Policy &
Process
Review

Key Activities:

- Network review with staff, stakeholders
- PIC #2

Deliverables:

- Alignment of current policies & practices with best practices

Improve programming, expand established programs and develop new programs to encourage, educate and support active transportation within the city

Programs & Promotion



Improve programming, expand established programs and develop new programs to encourage, educate and support active transportation within the city



Programs &
Promotion

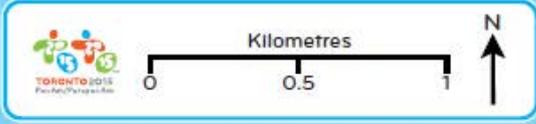
Deliverables:

- Community AT Promotional Program
- Public-facing Network Map

Ontario Place West Channel (OPW) Triathlon



-  Competition venue
-  Spectator entrance/exit
-  Pre-bookable accessible parking
-  Accessible transit stop
-  Spectator transit stop
-  Streetcar stop
-  Cycle parking
-  Taxi stand
-  Spectator walking route
-  Road closed to vehicles
-  Cycling Route
-  Running Route
-  Swimming Route



Create a framework to measure and assess the progress of active transportation in the City

Monitoring & Evaluation



Create a framework to measure and assess the progress of active transportation in the City



Monitoring & Evaluation

Deliverables:

- Performance indicators – review & refine
- Monitoring program

Highway 7 Active Transportation Facilities

Enhanced separation is needed to improve cyclist perceptions of safety along Highway 7.

35% of cyclists do not feel safe riding along Highway 7

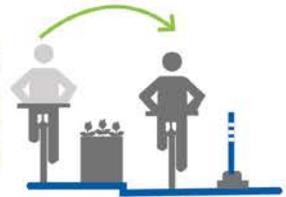


Preferences for types of separation



43%

of cyclists observed riding on sidewalks may shift to the bike lane if better separation is provided



Pedestrians are generally happy with streetscaping facilities, but requested improvements at intersections.

Allow pedestrians to complete one of the two crossing phases during the vehicular protected left phase to reduce wait times.



Provide a dedicated phase for left turns from the side street to reduce conflicts



Cyclists are using a variety of techniques to complete a left turn from Highway 7 onto a side street.



23% use the in-boulevard bike boxes to make a two-stage left turn

13% make a vehicular left by merging across traffic lanes

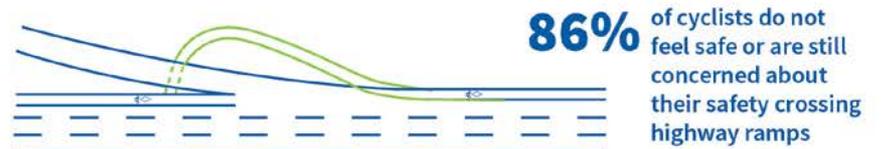
31% use the pedestrian crosswalks to cross in two stages

33% use all three techniques

This is likely due to a variety of factors including the additional delay for cyclists arriving on a red signal. To improve the crossing of wide roads, consider designs that make it easier for cyclists to cross on the near-side of the intersection.

Highway ramp crossings are stressful for cyclists and drivers.

Driver behaviour at ramp conflict zones



One potential improvement is to consider a jug-handle design that allows cyclists to cross closer to a 90° angle.

Overall consultation & engagement meetings:

- 3 TAC Meetings
- 2 Public Open Houses
- 3 Cycling Advisory Committee Meetings
- 3 additional project meetings:
 - Pop-up event
 - Focus group
 - Additional team meeting(s)

Other engagement elements:

- Project website
- Public-facing network map
- Communication strategy for the ATMP

Discussion

What is the **overall vision** that should drive this project?

What is the **overall vision** that should drive this document?

- Potential Key words: safety, accessibility, connectivity, convenience, efficient, affordable, inclusive, integration, attractiveness

What is the **overall vision** that should drive this project?

Active transportation is recognized as an **important element** of an **integrated mobility system** in Brampton.

Active transportation is a **safe and efficient** mode choice in Brampton.

Active transportation is **“the new normal”**

Background Review



Pertinent Documents:

- Brampton Official Plan (2006) – Review underway
- Pathways Master Plan (2002)
- Pedestrian Safety Plan (2010)
- Sustainable Community Design Guidelines (2013)
- Bicycle Facility Implementation Plan (2013)
- Active Transportation Planning Documents of adjacent municipalities
- Metrolinx Discussion Paper for the Regional Transportation Plan Update (2015)
- TMPU including Technical Report #5 – AT (2015)
- 2016-2018 Strategic Plan (2015)

Preliminary Network Analysis



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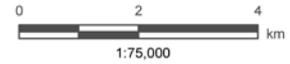
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- School
- Existing In Right-Of-Way (On-Road or In-Boulevard) Facility
- Existing Off-Road Trail
- Candidate In Right-Of-Way (On-Road or In-Boulevard) Facility
- Candidate Off-Road Trail
- Existing Facility
- Candidate Facility
- Watercourse
- Road
- Rail Line
- 500m Buffer Around School Sites
- Waterbody
- Wooded Area
- Brampton Municipal Boundary

Active Transportation Facilities Adjacent to Existing Schools

Brampton ATMP
City of Brampton



Notes
1. Coordinate System: NAD 1983 UTM Zone 17N

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Date: October, 2016

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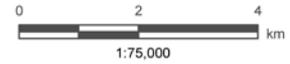
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- Minor Transit Station
- Major Transit Station
- Existing In Right-Of-Way (On-Road or In-Boulevard) Facility
- Candidate In Right-Of-Way (On-Road or In-Boulevard) Facility
- Existing Off-Road Trail
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- - - Candidate Off-Road Trail
- - - Existing In Right-Of-Way (On-Road or In-Boulevard) Facility
- Watercourse
- Road
- Rail Line
- 800m Buffer Around School Sites
- Waterbody
- Wooded Area
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Active Transportation Facilities Adjacent to Existing Transit Stations

Brampton ATMP
City of Brampton

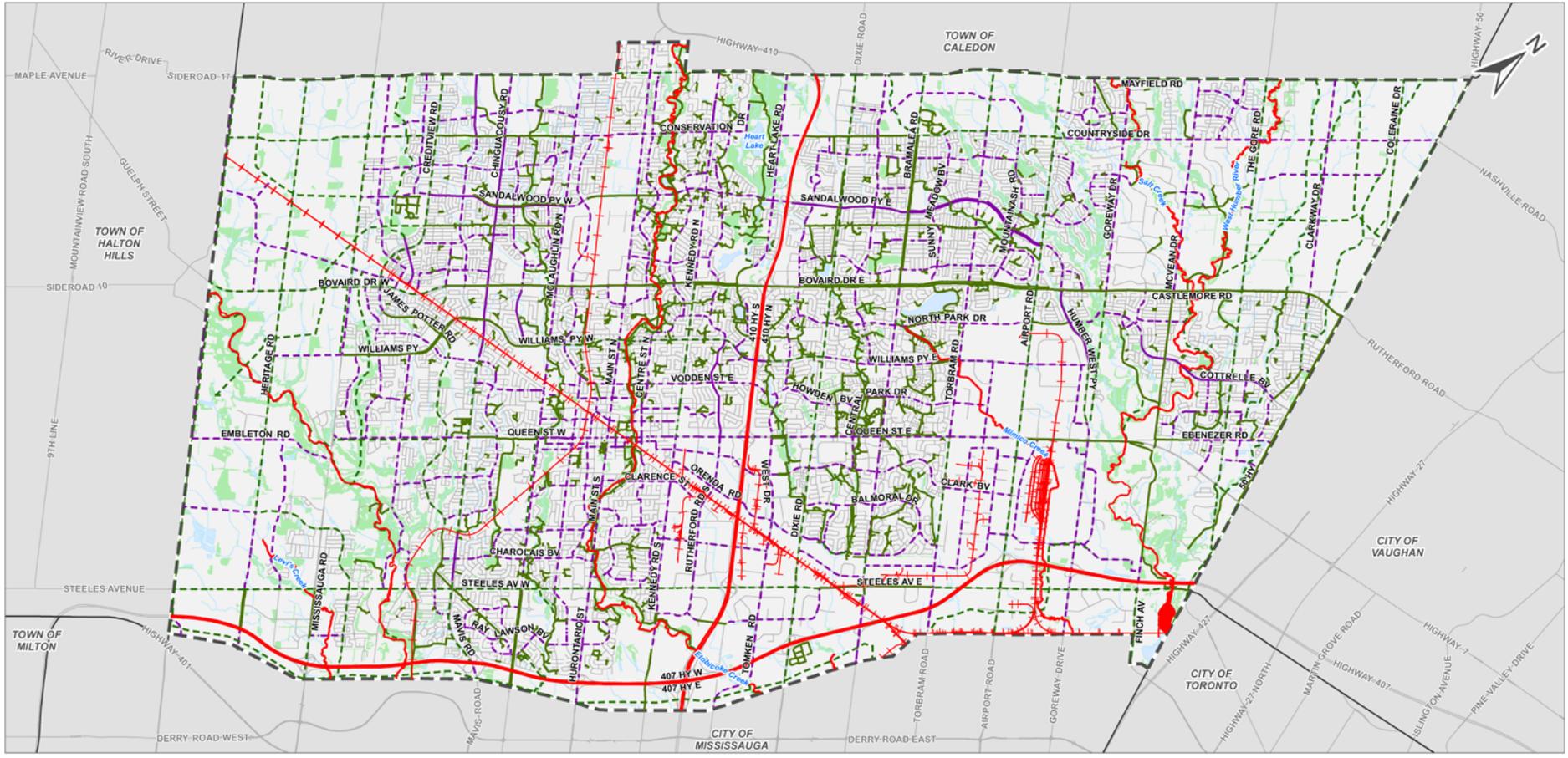


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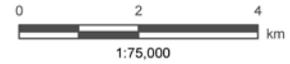


- Network Barrier
- Existing In Right-Of-Way (On-Road or In-Boulevard) Facility
- Existing Off-Road Trail
- - - Candidate In Right-Of-Way (On-Road or In-Boulevard) Facility
- - - Candidate Off-Road Trail
- Watercourse
- Road
- Waterbody
- Wooded Area
- Brampton Municipal Boundary

Active Transportation Facilities Network Barriers

Brampton ATMP
City of Brampton

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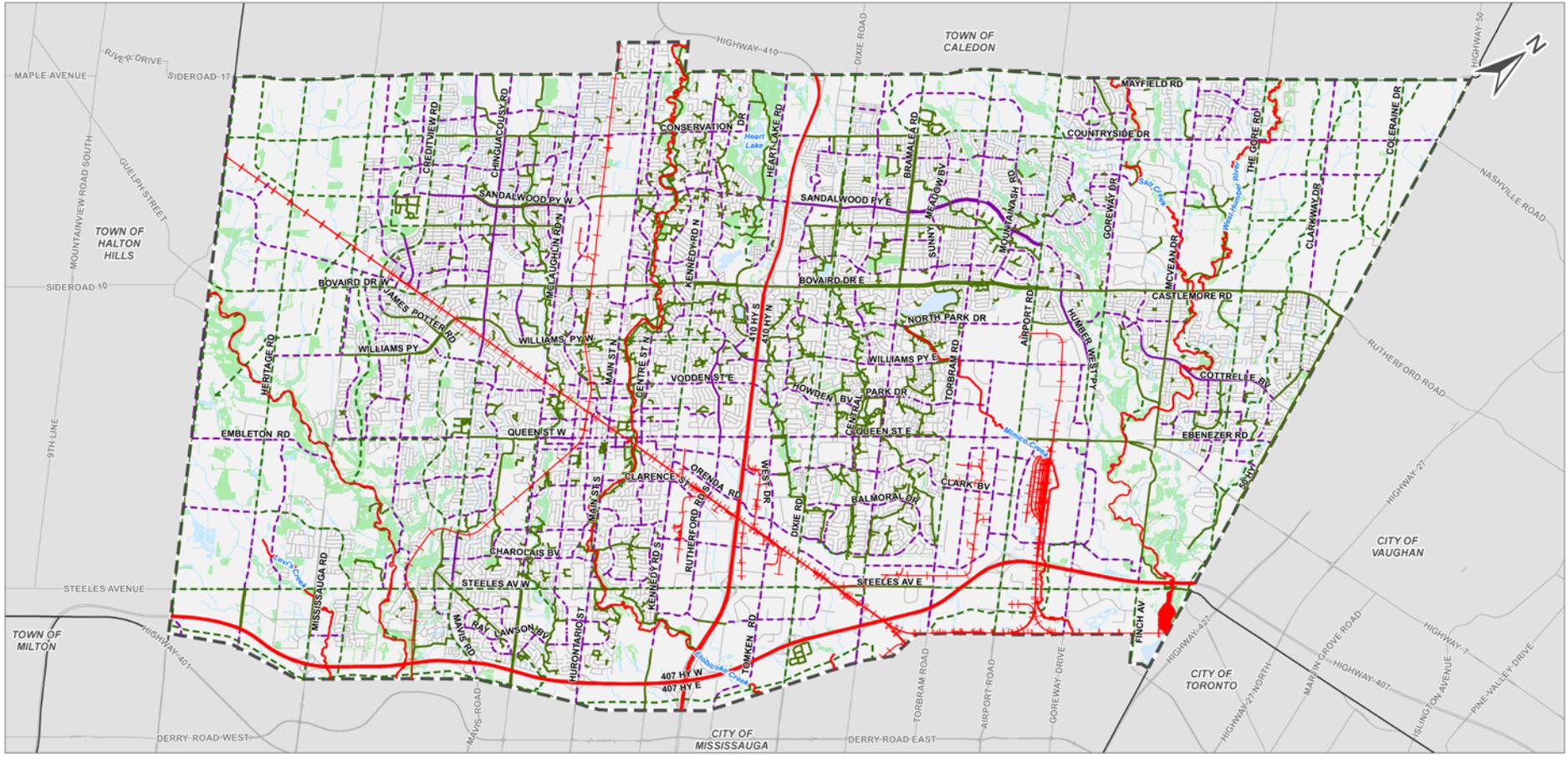
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Date: October, 2016

Discussion

Developing a more connected network is a top priority for this project. **What do you feel are the key barriers to overcome in achieving a connected network?** Barriers could be related to infrastructure (transportation and/or land use), jurisdictional issues, public support, political will, etc.

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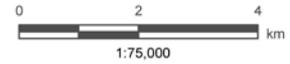


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Active Transportation Facilities Network Barriers

Brampton ATMP
City of Brampton

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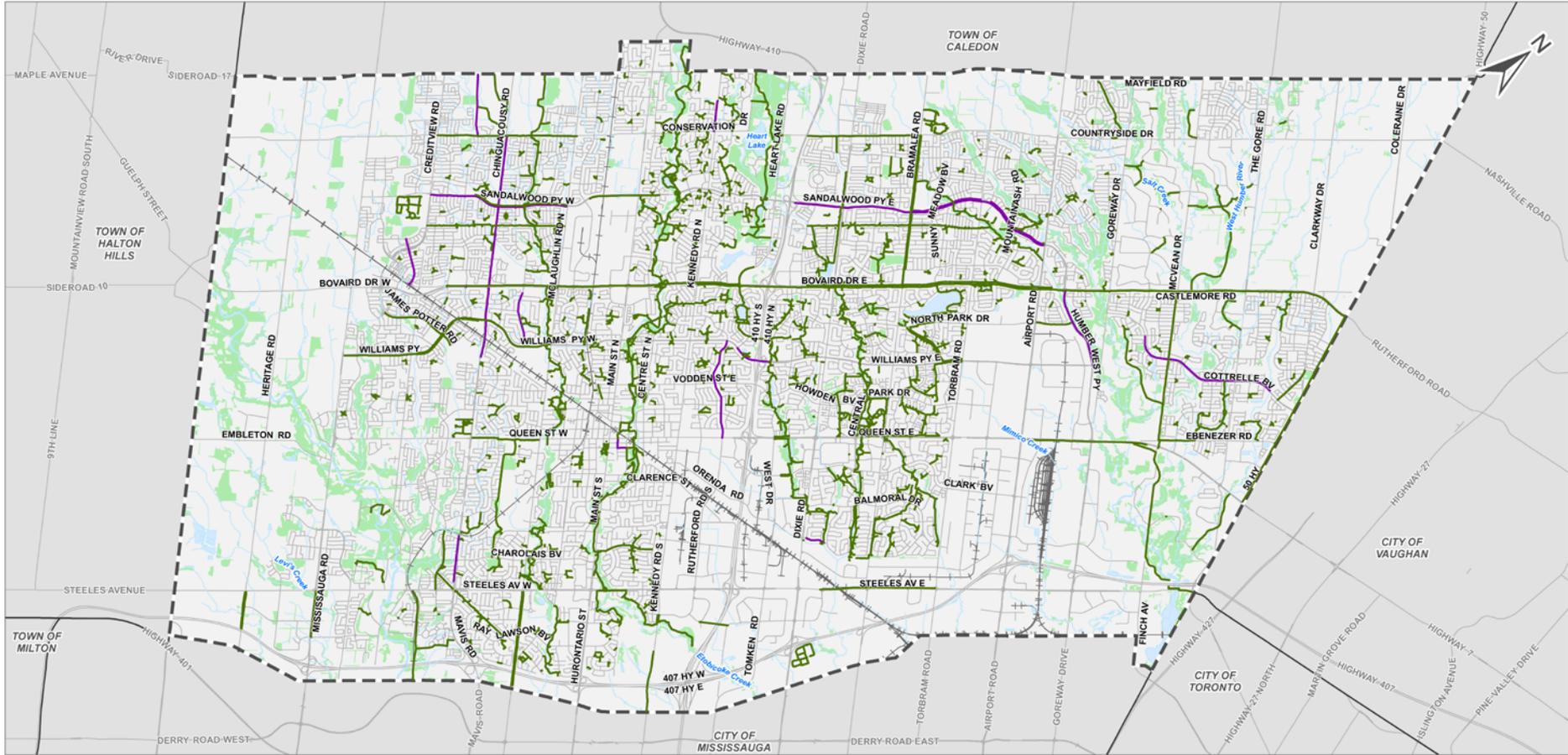
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Date: October, 2016

Discussion

The Active Transportation Master Plan could identify several “signature projects” – major pieces of infrastructure that will provide key cycling connections. **If you could identify one signature project, what would it be?**

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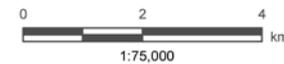


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Existing Active Transportation Facilities

Brampton ATMP
City of Brampton



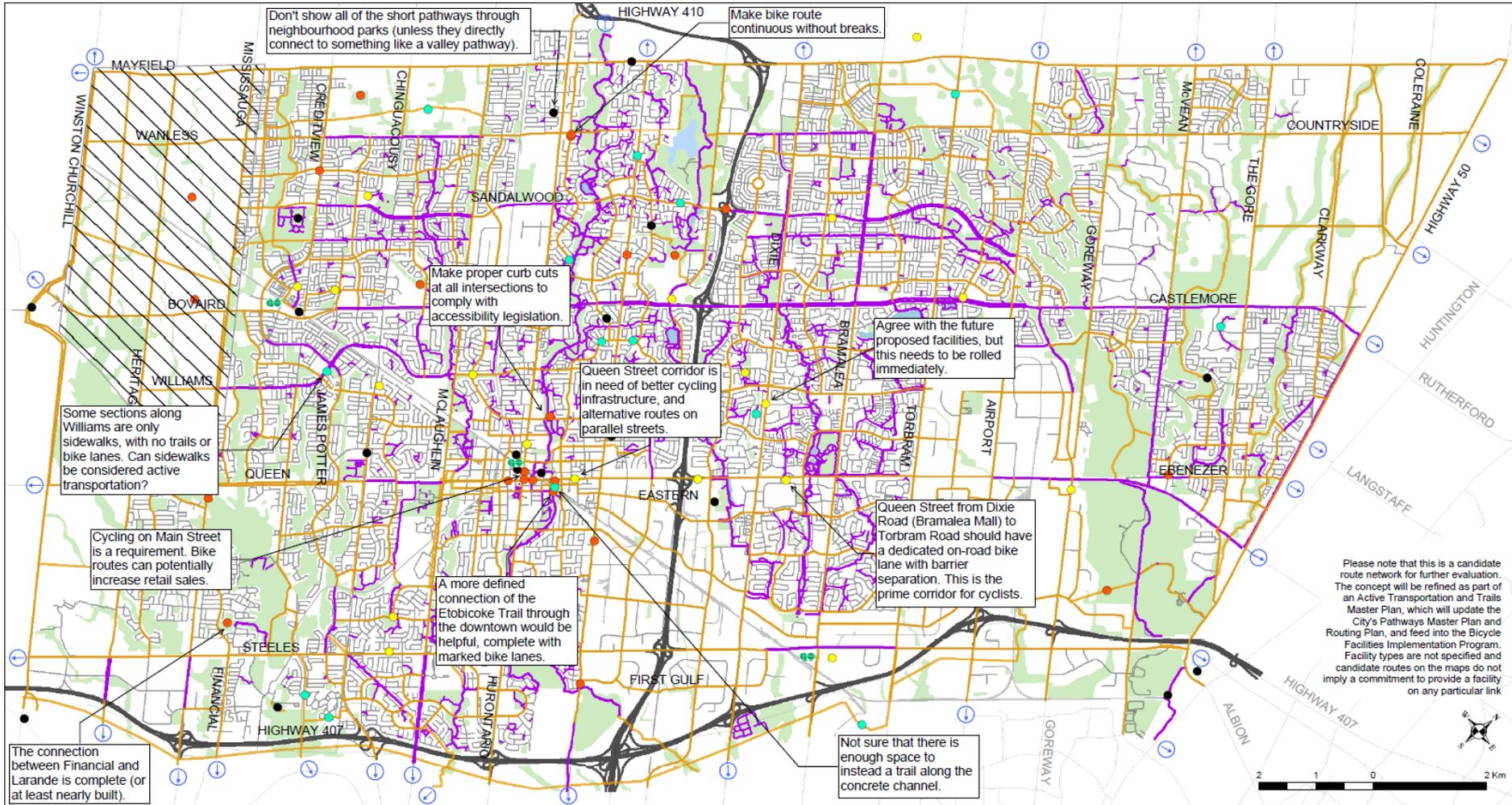
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Date: October, 2016

Discussion

We've prepared a map of the existing cycling network and proposed/candidate cycling network from the 2015 Transportation Master Plan (TMP). **Please review these maps and identify any incorrect / missing existing network pieces. Are there any other proposed links that you would like to re-visit through the ATMP process?**

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Legend

- Existing Facilities
- Future Facilities
- ← Inter-Municipal Connections

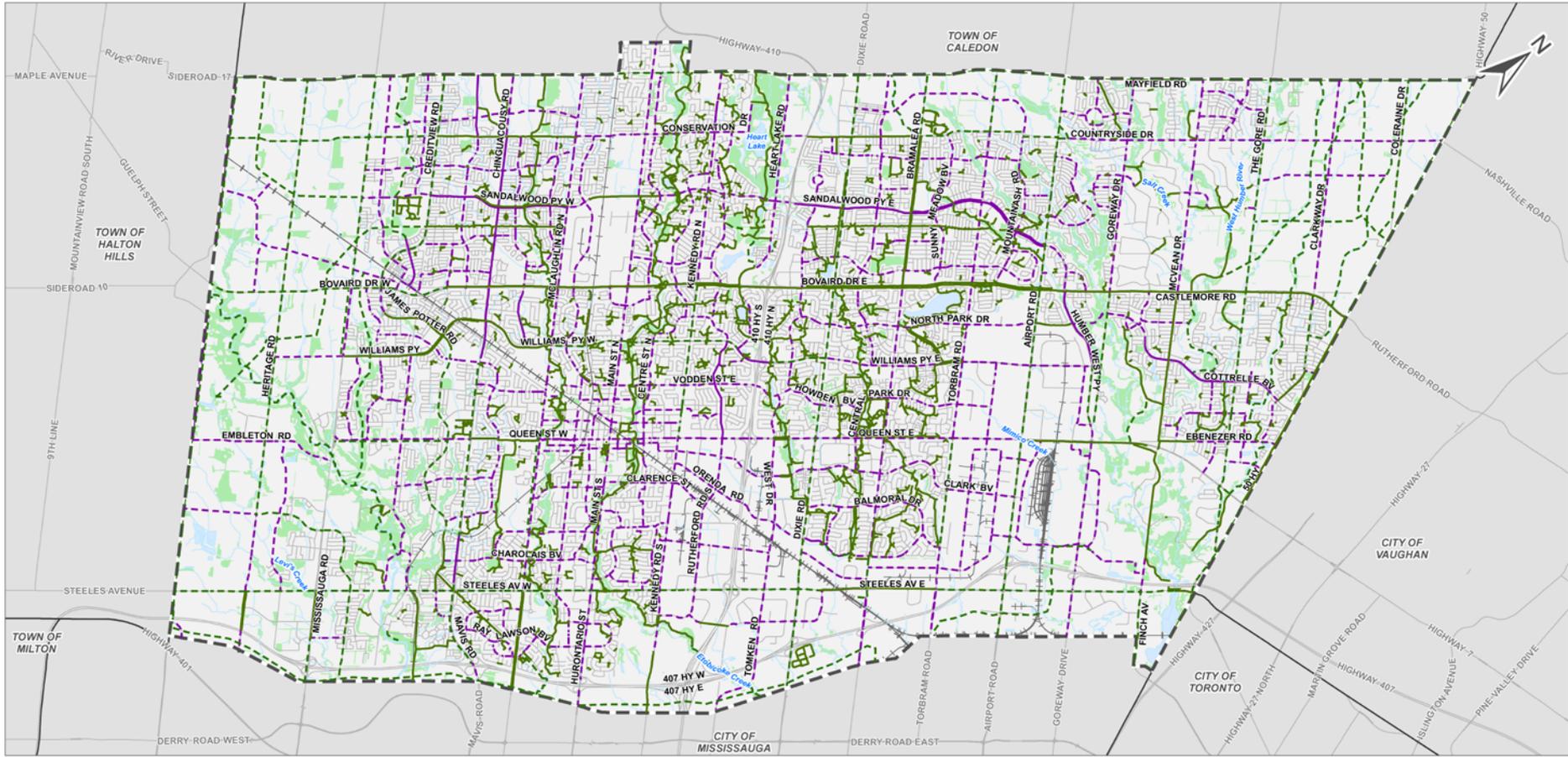
- GO Train Station
- P Carpool Lot
- Conceptual Road Network for use in the Development Charges Background Study

Metroquest Phase 2 Results

- Agree
- Disagree
- Alternate Suggestion

Figure 12
Online Tool Phase 2 Results: Existing and Recommended Future Active Transportation Facilities

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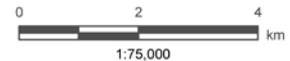


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Existing and Candidate Active Transportation Facilities

Brampton ATMP City of Brampton

Notes
1. Coordinate System: NAD 1983 UTM Zone 17N



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Date: October, 2016

Thank you!