



September 20, 2016

Ms. Angela Gibson
Acting Director, Transportation Services
York Region
17250 Yonge Street
Newmarket, On L3Y 6Z1
Email: angela.gibson@york.ca

**RE: LAKE TO LAKE ROUTE IMPLEMENTATION
IN MARKHAM
(YORK REGION PRESENTATION) AND
YORK REGION LAKE TO LAKE TRAIL IMPLEMENTATION
(CITY STAFF PRESENTATION) (6.3)**
[York Region Presentation](#) [City Staff Presentation](#)

Dear Ms. Gibson:

This will confirm that at a meeting held on September 13, 2016, Council of the City of Markham adopted the following resolution:

- “1) That the presentation provided by Angela Gibson, Acting Director, Transportation Services, York Region entitled “Lake to Lake Route Implementation in Markham” be received; and,
- 2) That the presentation provided by Brian Lee, Deputy Director of Engineering, entitled “York Region Lake to Lake Implementation – City of Markham Staff Presentation” be received; and,
- 3) That staff be directed to review the on-road section, to determine if it can be transitioned into an MUP system separated from traffic in the first phase, or identify improvements for future phases; and,
- 4) That the Lake to Lake Route implementation for the Markham section be endorsed in principle subject to funding; and,
- 5) That Markham’s funding share of the construction of Lake to Lake Route through Markham (\$1,415,690.21) be considered under the 2017 Capital Budget process; and,

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- 6) That Markham's funding share of \$1,415,690.21 be funded 35% from Development Charges and 65% from non-DC Growth Reserve; and,
- 7) That the Operations Department's operating budget include the funds in the maximum amount of \$88,000 in the 2018 Operating Budget to cover annual operations and maintenance requirement for the Lake to Lake MUP Route through City of Markham upon completion of construction; and,
- 8) That the Region of York be authorized to design and tender the Lake to Lake MUP route in Markham; and,
- 9) That the Mayor and Clerk be authorized to execute further agreement(s) with York Region for the cost sharing and implementation of the project; and,
- 10) That the Regional Municipality of York be advised accordingly; and further,
- 11) That staff be authorized and directed to do all things necessary to give effect to this resolution."

If you have any questions, please contact Brian Lee, Director of Engineering, at 905-477-7000 ext. 4838.

Yours sincerely,



Kimberley Kitteringham
City Clerk

KK:mbp

A person is riding a bicycle on a paved path that runs alongside a body of water. The sky is overcast with grey clouds. The path is lined with trees on the right side. The person is wearing a dark jacket and a red jacket draped over their shoulders.

Lake to Lake Route Implementation in Markham

Presentation to

City of Markham

Development Services Committee (DSC)

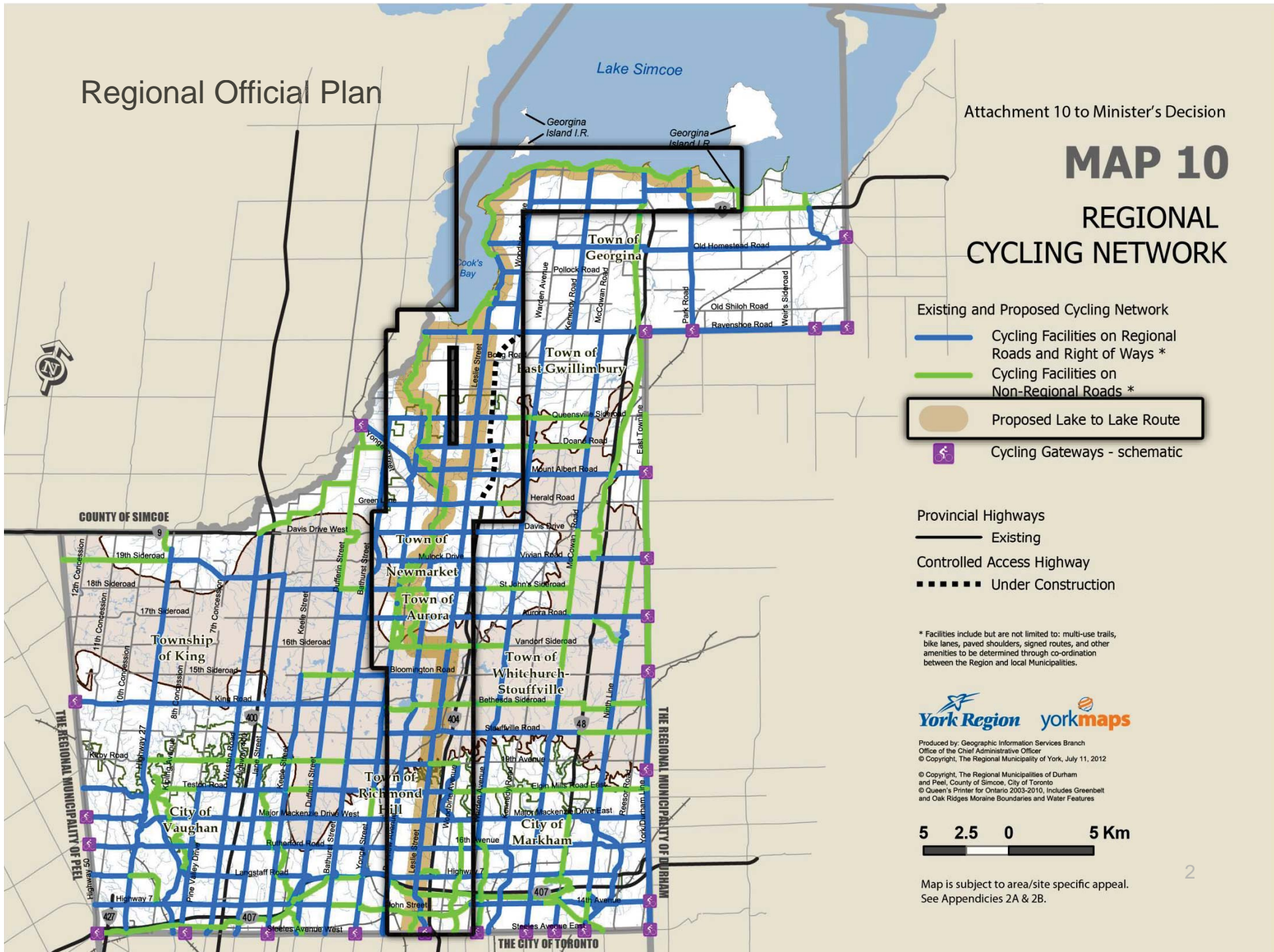
Stephen Collins

Acting Commissioner, Transportation Services

September 6, 2016



MAP 10 REGIONAL CYCLING NETWORK



Existing and Proposed Cycling Network

- Cycling Facilities on Regional Roads and Right of Ways *
- Cycling Facilities on Non-Regional Roads *
- Proposed Lake to Lake Route
- Cycling Gateways - schematic

Provincial Highways

- Existing
- Controlled Access Highway
- Under Construction

* Facilities include but are not limited to: multi-use trails, bike lanes, paved shoulders, signed routes, and other amenities to be determined through co-ordination between the Region and local Municipalities.



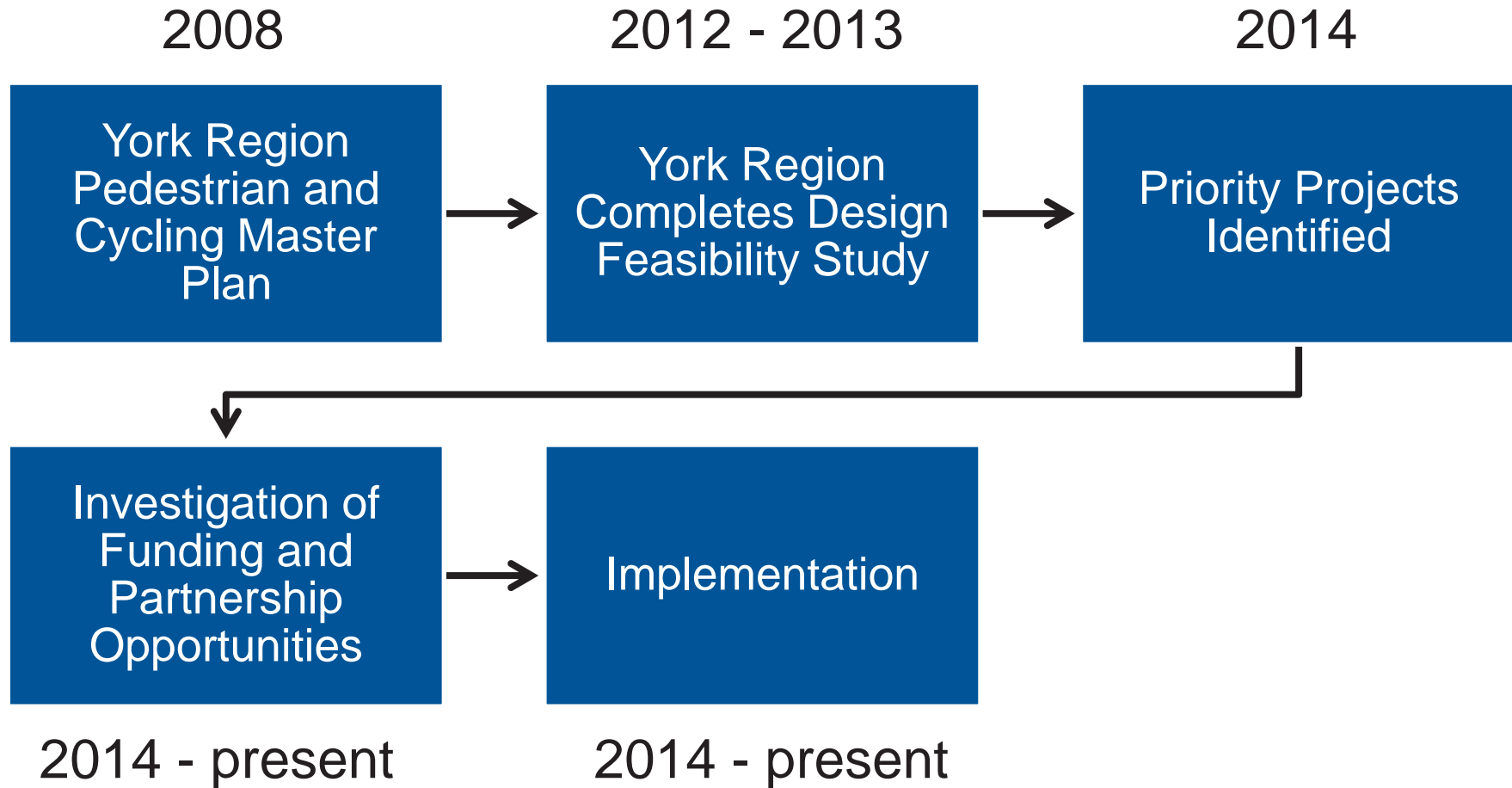
Produced by: Geographic Information Services Branch
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© Copyright, The Regional Municipalities of Durham and Peel, County of Simcoe, City of Toronto
© Queen's Printer for Ontario 2003-2010, Includes Greenbelt and Oak Ridges Moraine Boundaries and Water Features

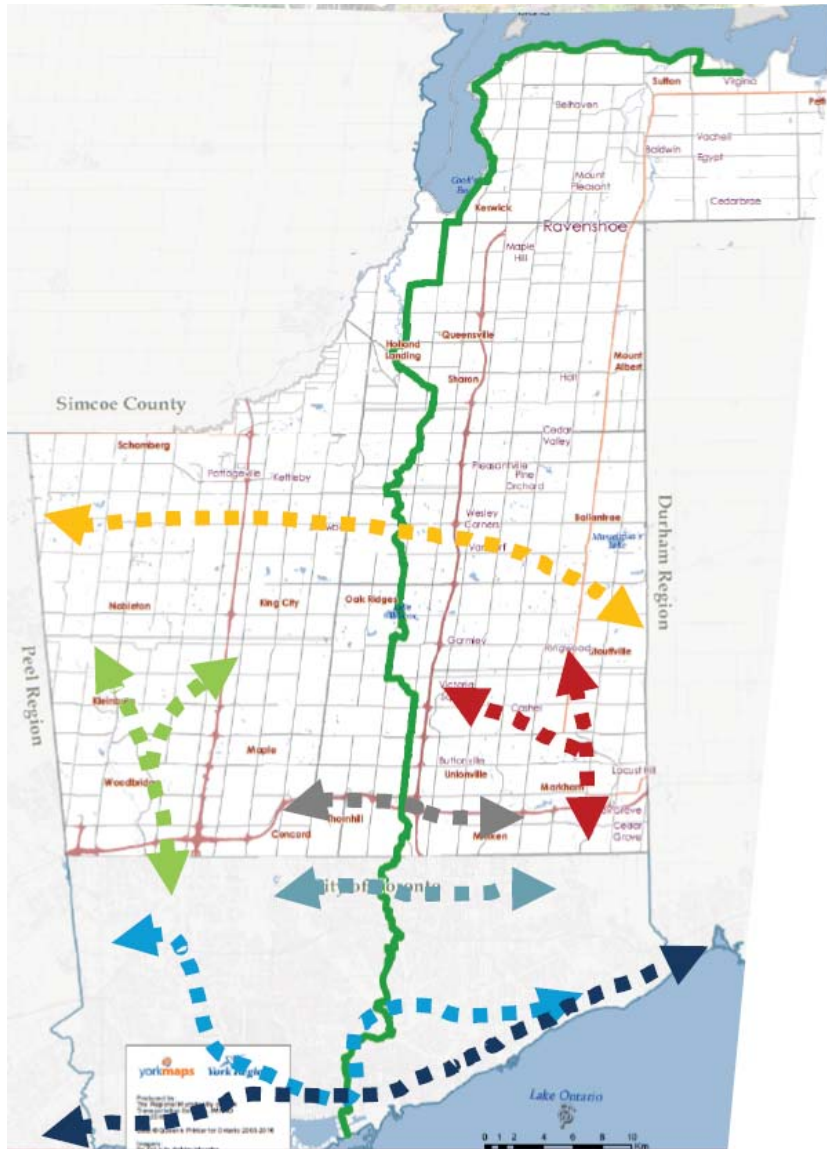


Map is subject to area/site specific appeal.
See Appendices 2A & 2B.

Where are we now?



About Lake to Lake Route



Major Connecting Routes



Greenbelt Route/Oak Ridges Trail

Connecting the Golden Horseshoe & Oak Ridges Moraine



Humber River Trail

Linking the William Granger Greenway to Lake Ontario



Rouge Valley Trail

Linking the Rouge River Valley System to Lake Ontario



407 Hydro Corridor Trail

Future East-West Corridor connecting Vaughan and Markham



Pan Am Path

Legacy of Pan Am Games, linking Pickering to Brampton



Waterfront Trail

From East to West, continuous trail along Lake Ontario

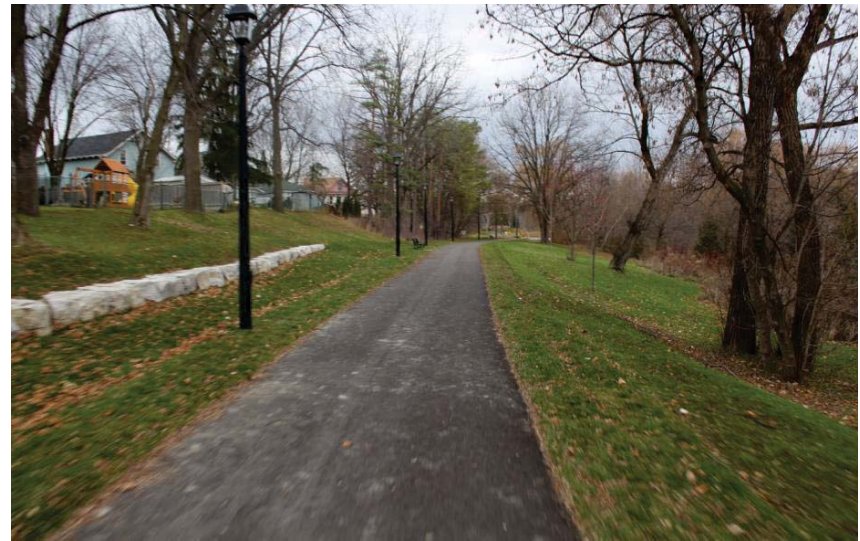


Finch Hydro Corridor Trail

East-West Corridor Linking North York and Scarborough

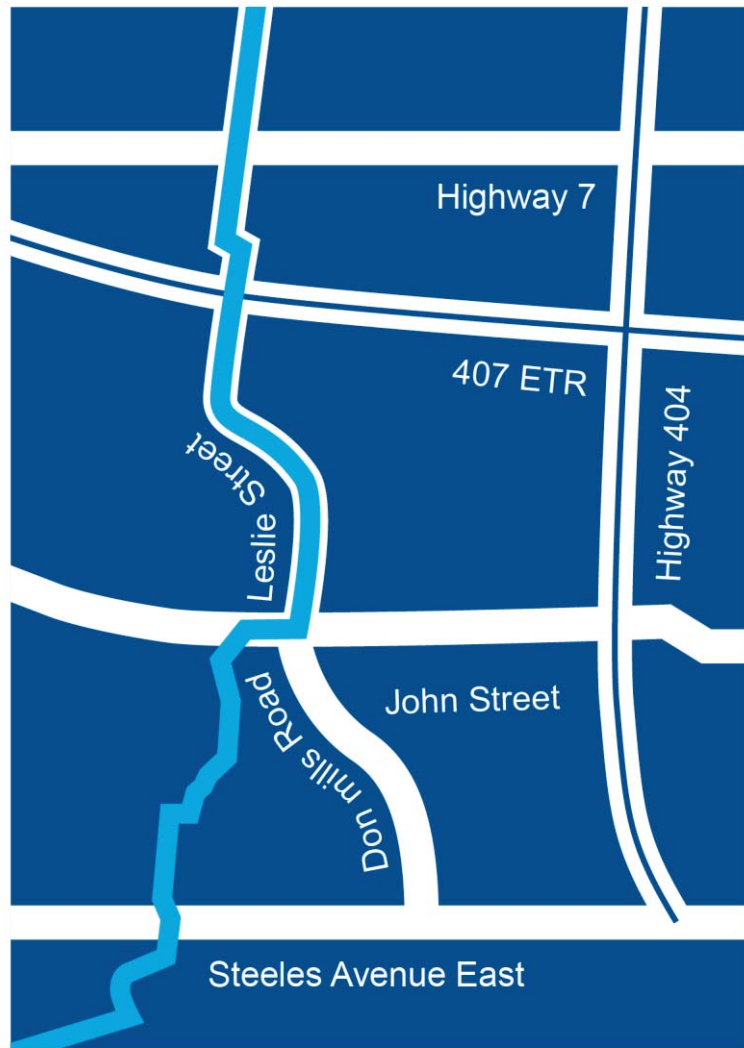
Lake to Lake Route proposed length

$$\begin{array}{c} \mathbf{92\ km} \\ \text{YORK REGION} \end{array} + \begin{array}{c} \mathbf{29\ km} \\ \text{TORONTO} \end{array} = \begin{array}{c} \mathbf{121\ km} \\ \text{TOTAL} \end{array}$$



2/3 of the Route is already built

Lake to Lake Route in Markham



Example signage

Facility Types in Markham



Upgraded to multi-use path



Upgraded to paved trail



Wayfinding signage

Status Update - Lake to Lake in Markham

- York Region has started detailed design
 - Kick-off meeting held Feb 3, 2016 with Stantec Consulting
 - Current at 30% design, completion anticipated in early 2017
 - Construction start anticipated in Spring 2017 (subject to availability of funds)
- York Region was successful in its application to MTO for the Ontario Municipal Cycling Infrastructure Fund
 - \$325,000 Provincial commitment
 - Construction must be completed by March 2018
 - Need partnership with Markham

Funding Breakdown

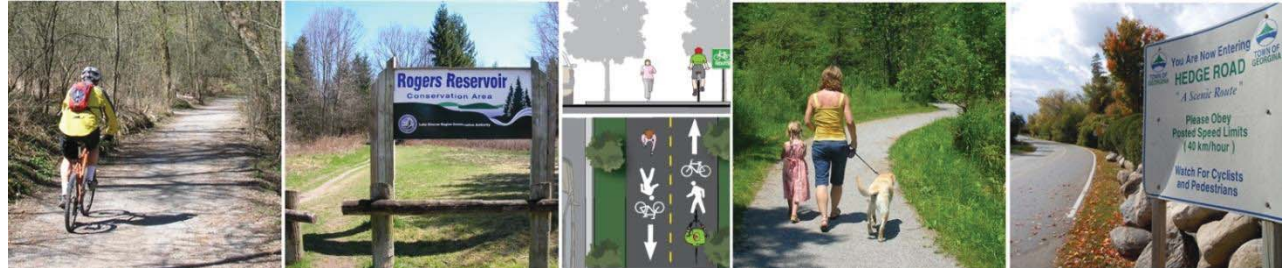


Proposed Funding for Design and Construction



Lake to Lake

CYCLING ROUTE and WALKING TRAIL





York Region Lake to Lake Trail Implementation

City of Markham Staff Presentation

PRESENTATION TO
DEVELOPMENT SERVICES COMMITTEE

September 6, 2016



Lake to Lake Route

- In 2008, the York Region Pedestrian and Cycling Master Plan was adopted by Council.
- The cycling route and walking trail will extend from Lake Simcoe at the northern edge of the York Region through the City of Toronto to Lake Ontario.
- In Markham, the main N-S spine will extend from Highway 7 to Steeles Avenue and will provide access to Richmond Hill and Toronto MUP networks.



MUP Program in Markham

Last 5 Years

- Completing main spine of *Rouge Valley Trail* (Toogood Pond to 14th Avenue)
- Since 2013, City Council has approved approximately \$5.5M for the *Rouge Valley Trail* (for about 5.4km of MUP)
- Various MUP constructions with Regional & City road projects, (e.g. Woodbine By-Pass, Markham Road, Warden Avenue, Main Street Markham)

Next 5 Years

- Need to focus on N-S routes & feeder trails
- Need to advance trail system in Thornhill & Milliken
- Identify other routes to fill gaps or to meet demands
- Provide Auxiliary facilities (e.g. bike parking, signage)
- Offer education and promotion on Markham's MUPs and trail system

Lake to Lake CPAC Endorsement

February 18, 2016

- York Region staff made a presentation to CPAC on the Lake to Lake Route
- The presentation discussed details of the route in Markham, time schedule of implementation, and the potential cost-sharing

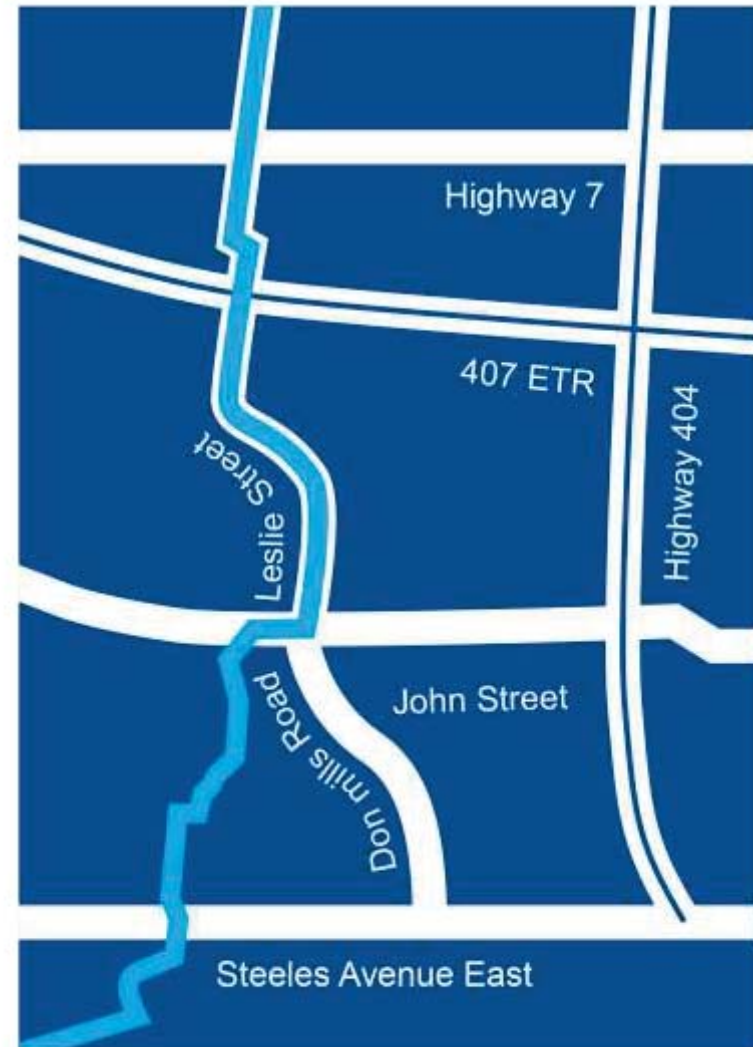
March 24, 2016

- CPAC recommended that the City support the Lake to Lake Route implementation through Markham
- CPAC requested Council to include funding of the Lake to Lake Route in the 2017 capital budget



Benefits of Lake to Lake Route in Markham

- Main N-S MUP spine through Thornhill
- Serves as a commuting and recreational route for cyclists and pedestrians
- Provides access into Richmond Hill and Toronto MUP networks
- Permits further MUP connection to serve Thornhill community
- Funding partnership with York Region to expand Markham's MUP system



Source: York Region

Lake to Lake Implementation – Cost Estimates

Project Estimate Capital Costs

	Total Project Estimate	MTO Grant	York Region Share (50%)	Markham Share
Design & Construction (Concrete)	\$ 2,731,500	\$ 325,000	\$ 1,203,250	\$ 1,203,250
York Region Engineering Fees (12%)	\$ 327,780	-	\$ 163,890	\$ 163,890
City of Markham Internal Fees (2%)	-	-	-	\$ 24,065
HST Impact (1.76%)	-	-	-	\$ 24,485.21
Approximate Total Project Funding Required (Markham):				\$1,415,690.21

- The Markham share of design & construction costs be funded from Development Charges (35%) and Non-DC Growth (65%) subject to Council Approval.
- The draft 2017 Capital Budget has included \$1.4million for this project.

Lake to Lake Implementation – Cost Estimates

Estimated City of Markham Annual Maintenance Costs

	MUP Distance	Winter Maintenance (Plowing Only)	Summer Maintenance
MUP along Leslie St. & John St.	2.1km	\$ 12,000	\$ 7,000
MUP over bridge crossings (may require loading and hauling)	1.0km	\$ 60,000	\$ 5,000
MUP within German Mills Settlers Park	1.1km	Off-road trails are not maintained in winter	\$ 4,000
TOTAL	4.2km	\$ 72,000	\$ 16,000

- The estimated annual maintenance cost of the Lake to Lake MUP (Markham Section) is approximately **\$ 88,000**.
- York Region is considering assumption of all MUP within arterial roads. If approved, the Region would assume \pm \$50,000 of the above estimated annual Operations & Maintenance costs.

Next Steps

- Staff has included the Markham's share (\$1,415,690.21) for the 2017 Capital Budget request.
- Council consideration of funding in the 2017 Capital Budget process.
- Region completes design in early 2017.
- Region and City execute agreement(s) for the cost sharing and implementation of the project.
- Region tenders March/April 2017.
- Construction:
 - starts late spring 2017
 - Completion summer 2018

Draft Resolution

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Draft Resolution (Continued)

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7. That the Region of York be authorized to design and tender the Lake to Lake MUP route in Markham;
8. That the Mayor and Clerk be authorized to execute further agreement(s) with York Region for the cost sharing and implementation of the project;
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