

Capital Planning and Delivery Update

Transportation Services Presentation to
Committee of the Whole

Salim Alibhai

Thursday, October 1, 2015



Population and Employment Growth

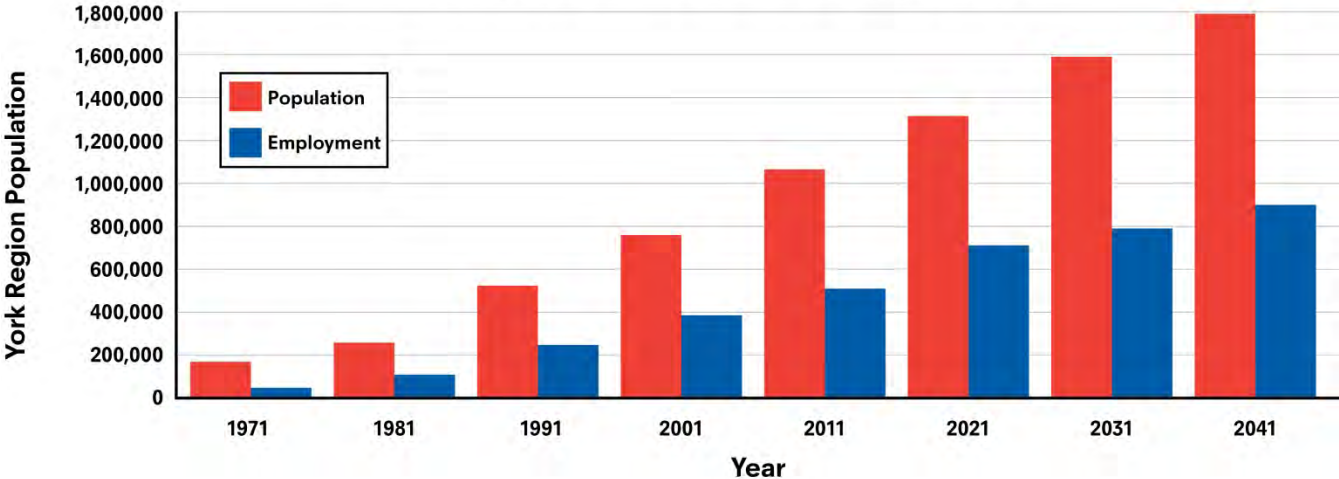
York Region's population is expected to grow from



York Region's employment is expected to grow from



York Region Population Growth - 1971 to 2041



York Region is growing rapidly

Traffic Congestion is top of mind for York Region residents



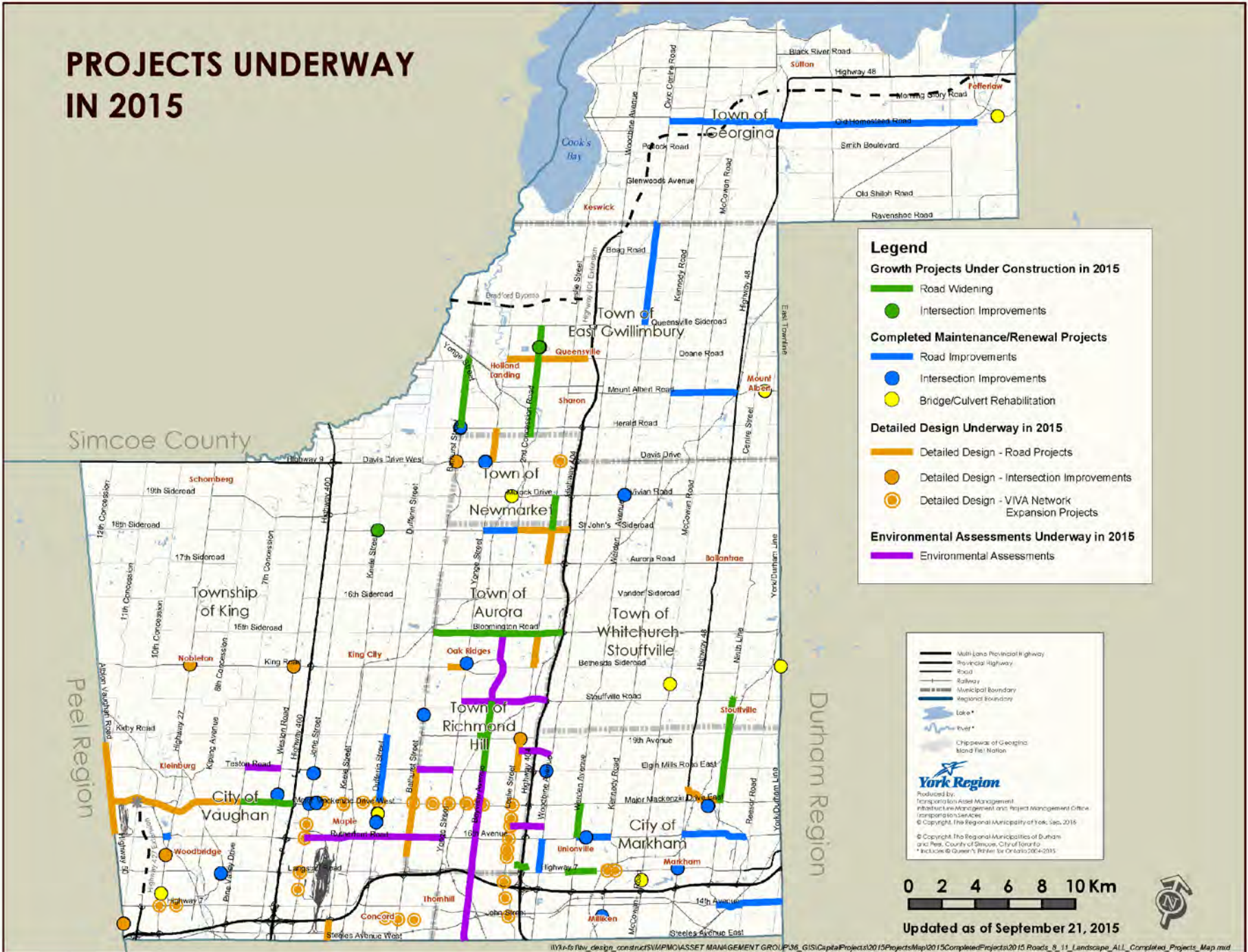
With continued growth comes increasing congestion

\$1.5 Billion 10-Year Roads Capital Budget



Funds Growth Program and the State of Good Repair Program

PROJECTS UNDERWAY IN 2015



Legend

Growth Projects Under Construction in 2015

- Road Widening
- Intersection Improvements

Completed Maintenance/Renewal Projects

- Road Improvements
- Intersection Improvements
- Bridge/Culvert Rehabilitation

Detailed Design Underway in 2015

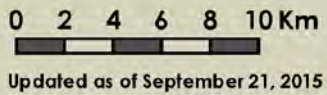
- Detailed Design - Road Projects
- Detailed Design - Intersection Improvements
- Detailed Design - VIVA Network Expansion Projects

Environmental Assessments Underway in 2015

- Environmental Assessments

Multi-Lane Provincial Highway
 Provincial Highway
 Road
 Railway
 Municipal Boundary
 Regional Boundary
 Lake
 River
 Chippewas of Georgina
 Second Nation

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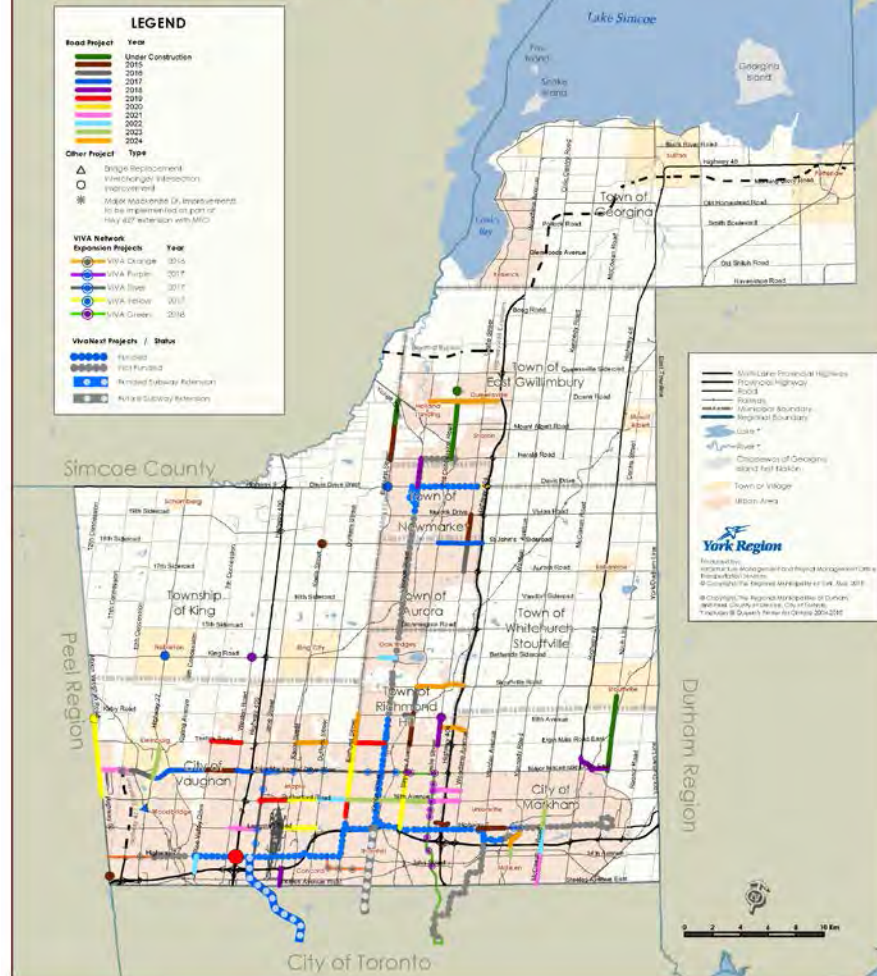
\$1.2 Billion Growth Program



Improve capacity of the Regional Road network

2015 10-YEAR ROADS AND TRANSIT CAPITAL CONSTRUCTION PROGRAM

APPROVED BY COUNCIL FEBRUARY 26, 2015



Numerous growth projects are planned for the next 10 years

Growth Project Phases and Timeline

Growth projects take 8 to 10 years from start to finish



In 2015, staff are working on over 40 growth projects

Growth Program - Construction



2015 GROWTH PROJECTS: CONSTRUCTION



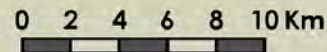
Legend
Growth Projects Under Construction in 2015

- Road Widening
- Intersection Improvements

- Multi-Lane Provincial Highway
- Provincial Highway
- Road
- Railway
- Municipal Boundary
- Regional Boundary
- Lake*
- River*
- Chippewak of Georgian Bay Nation

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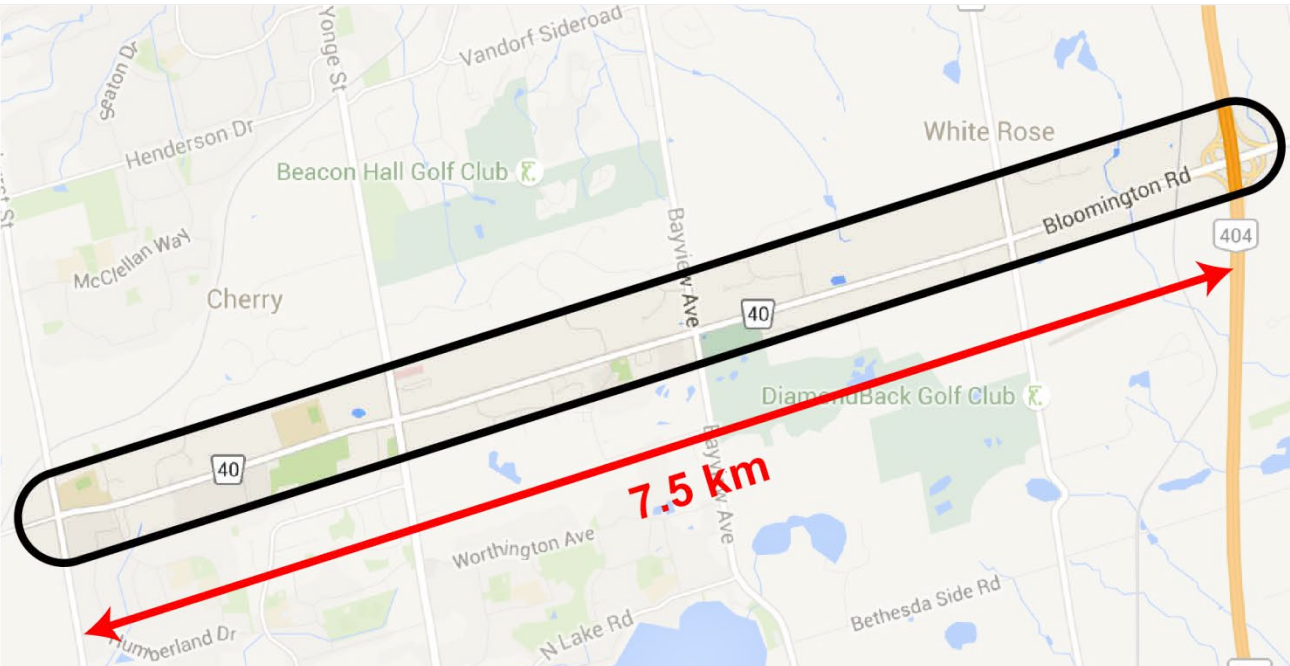
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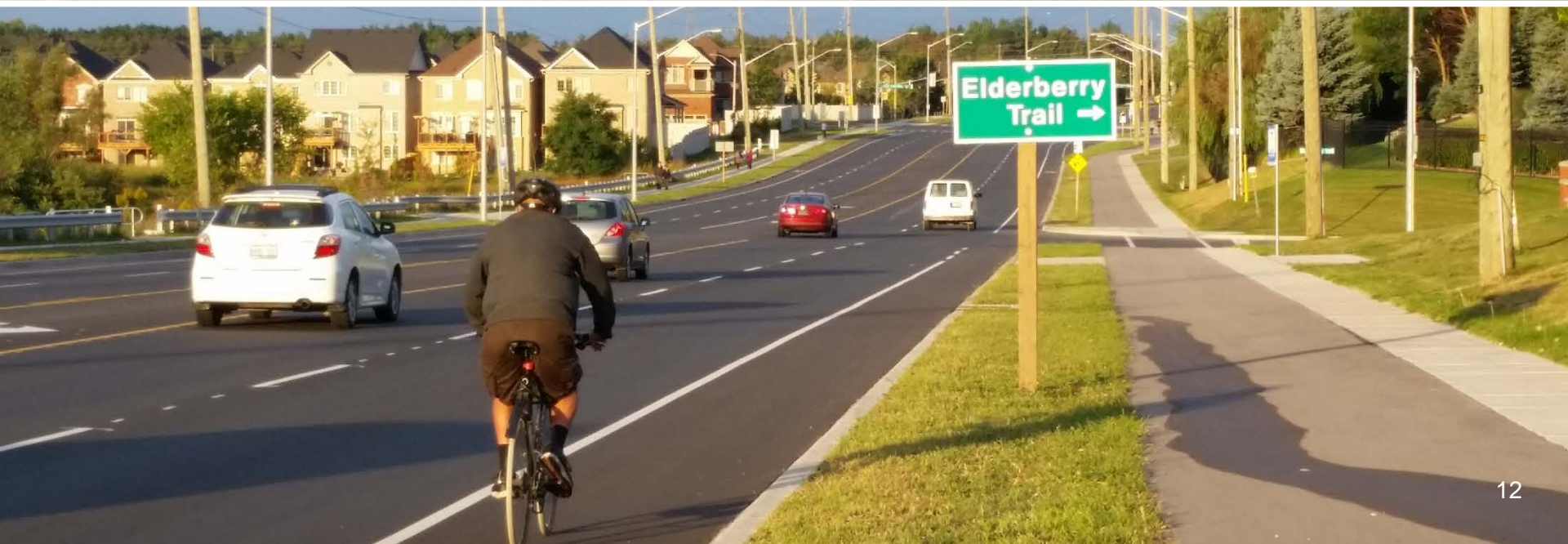


Updated as of September 21, 2015

Bloomington Road

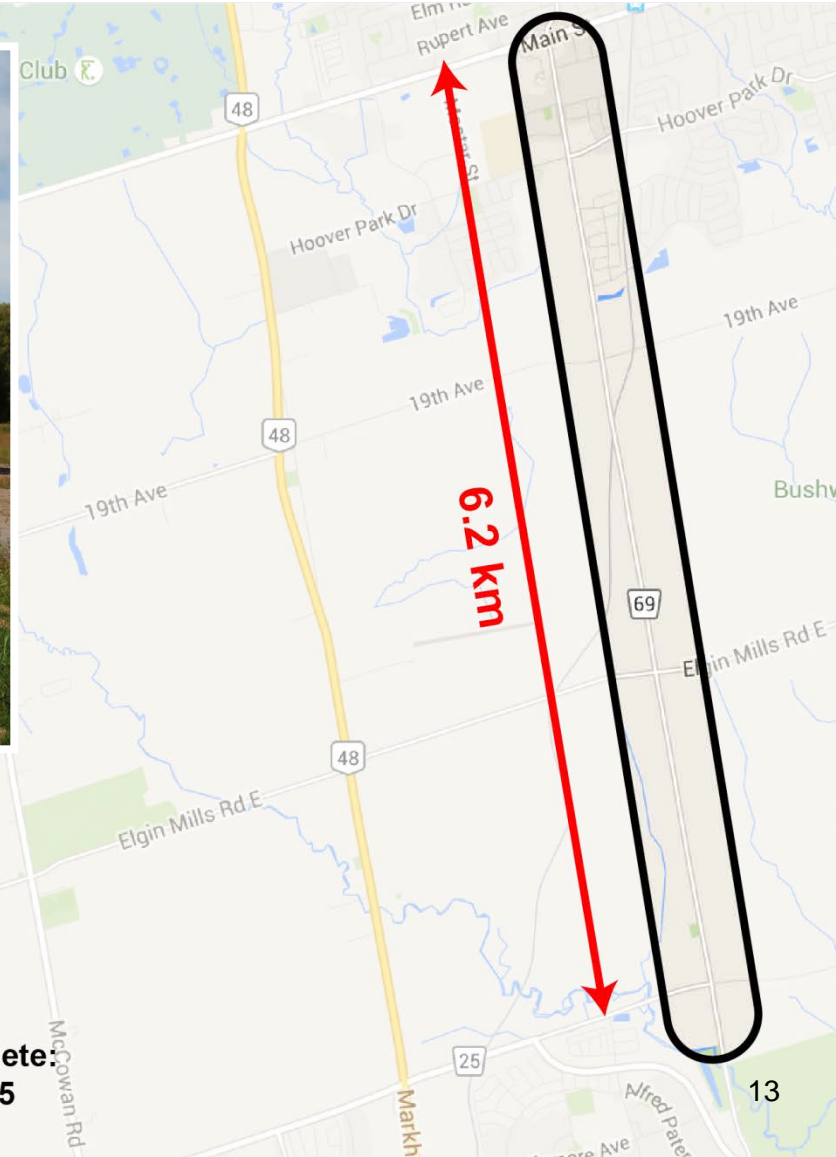
Bathurst Street to Highway 404

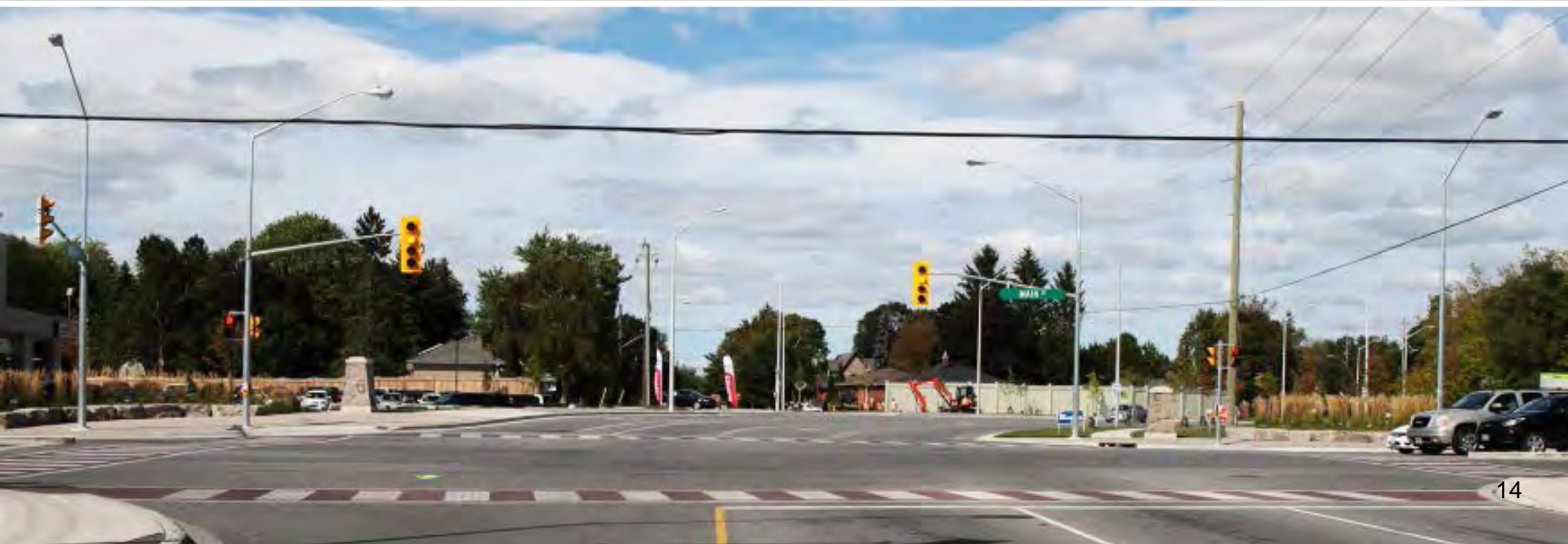




Ninth Line

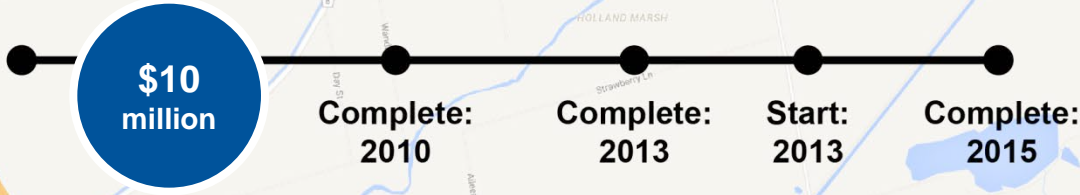
Major Mackenzie Drive to Rupert Avenue





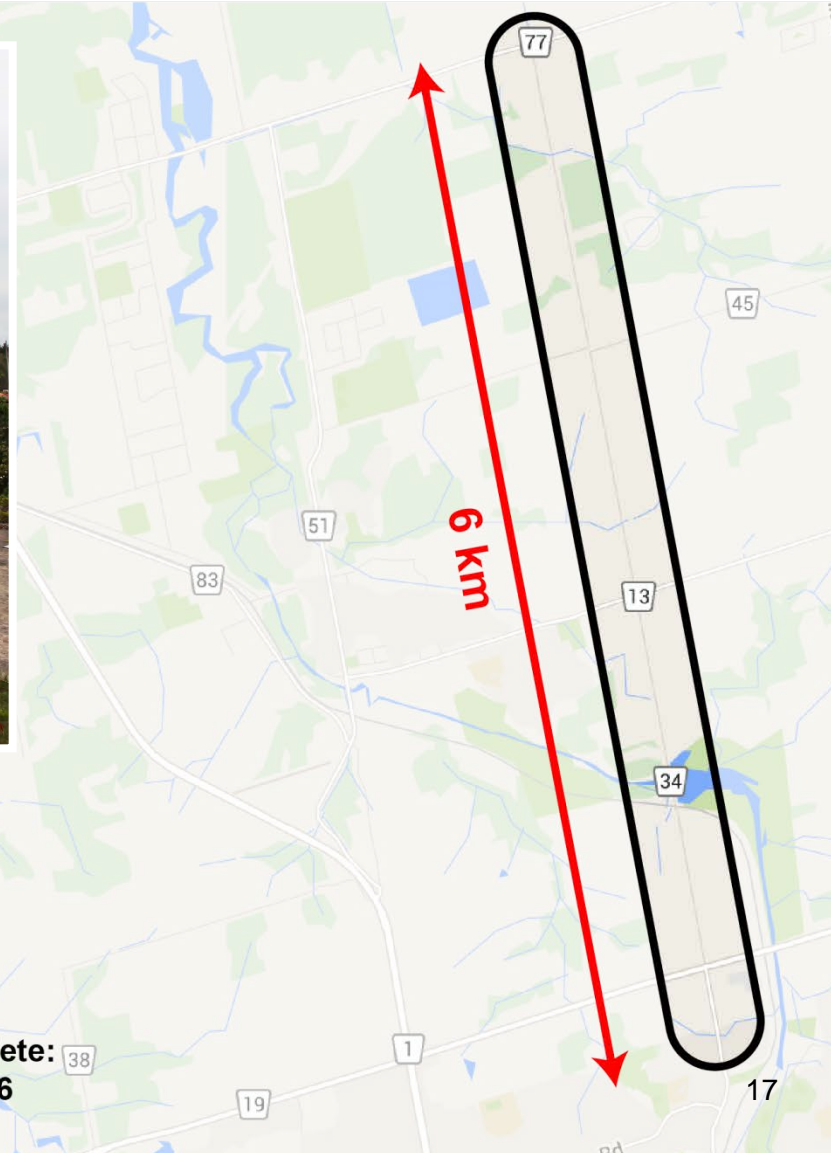
Bathurst Street

1km North of Morning Sideroad to Highway 11





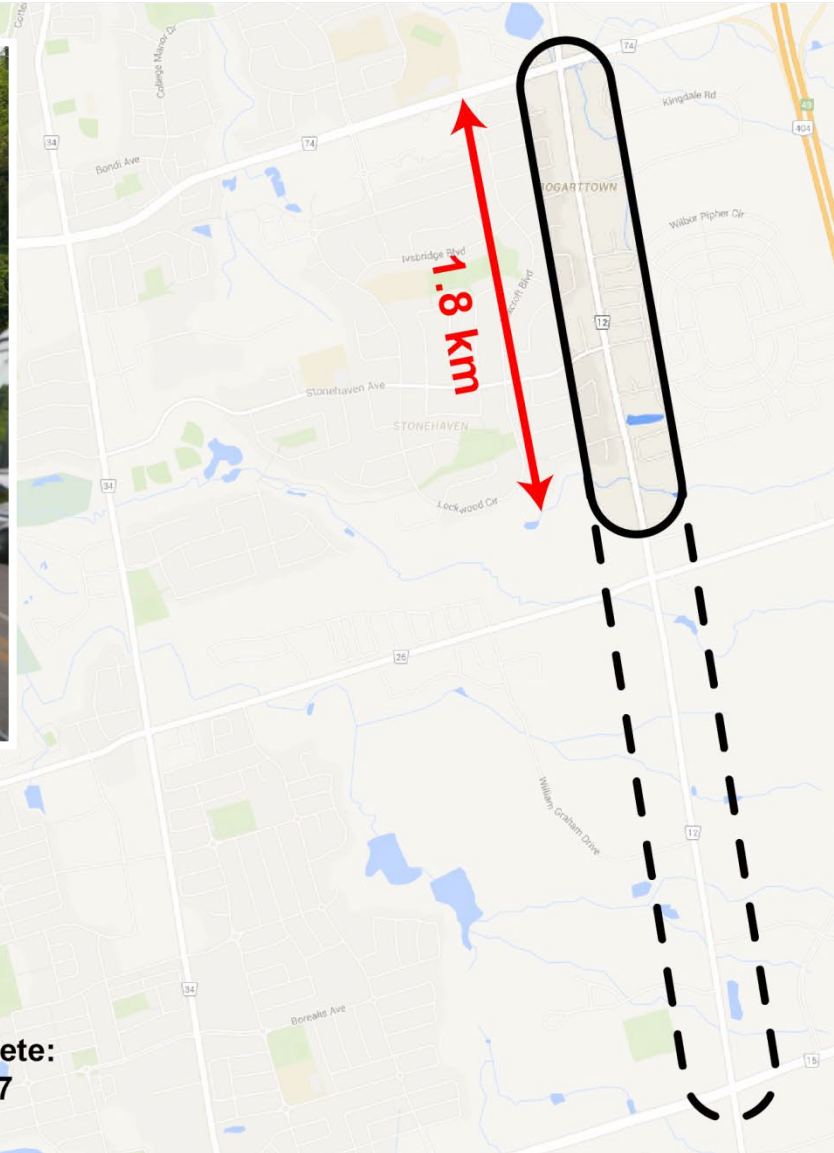
2nd Concession/Main Street North Bristol Road to Queensville Sideroad





Leslie Street

Broughton Lane to Mullock Drive



Roundabout

Keele Street and Lloydtown-Aurora Road



\$4.4 million

Complete: 2012

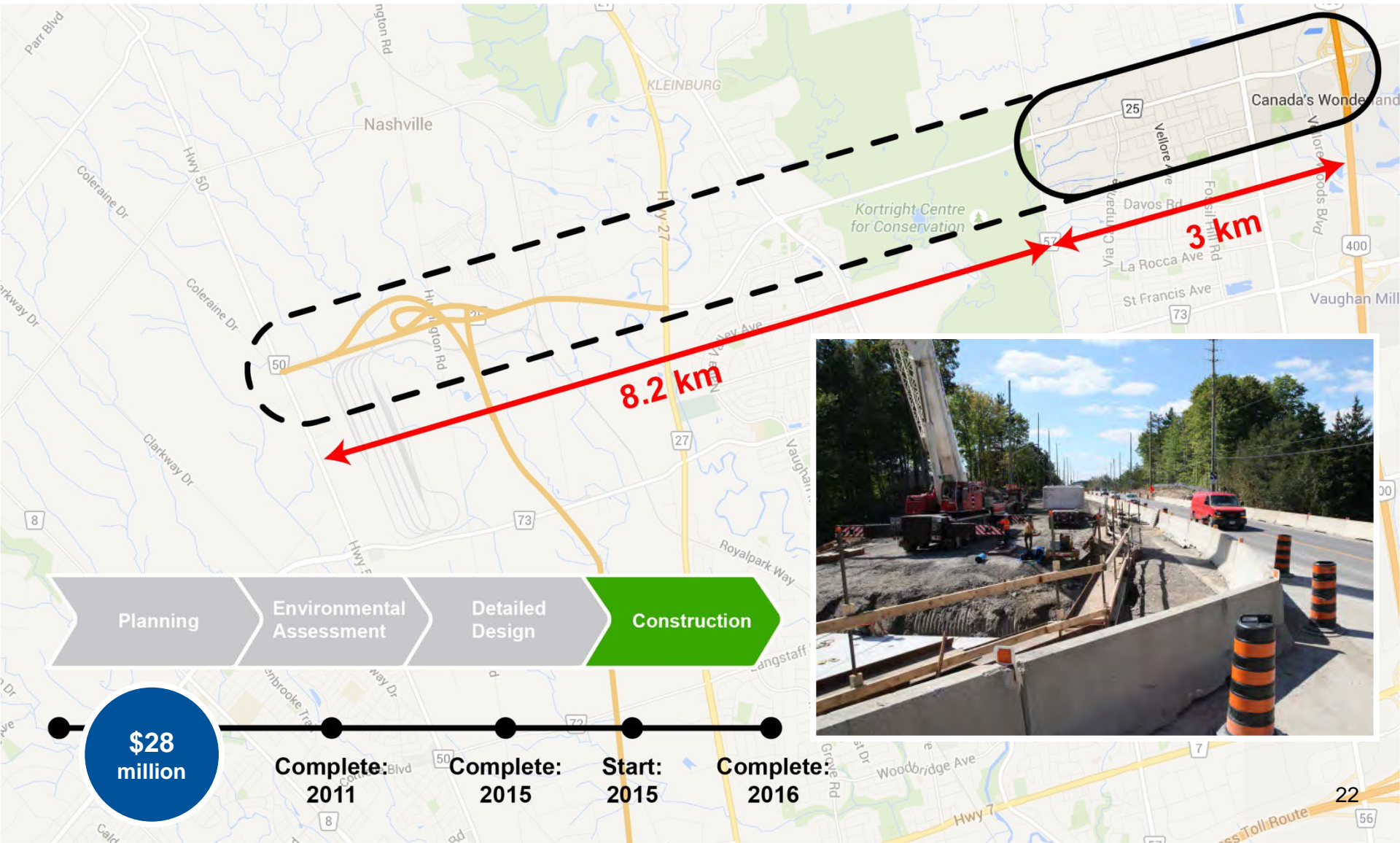
Complete: 2015

Start: 2015

Complete: 2016



Major Mackenzie Drive Pine Valley Drive to Highway 400



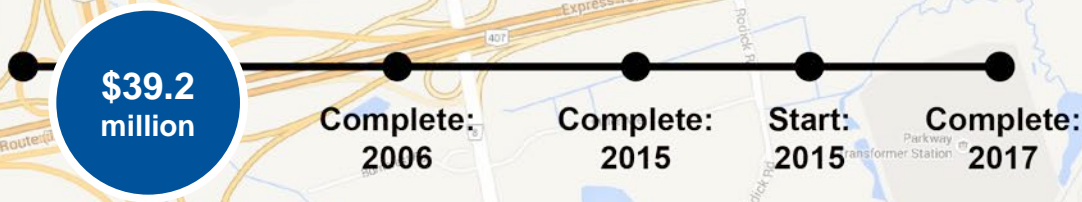
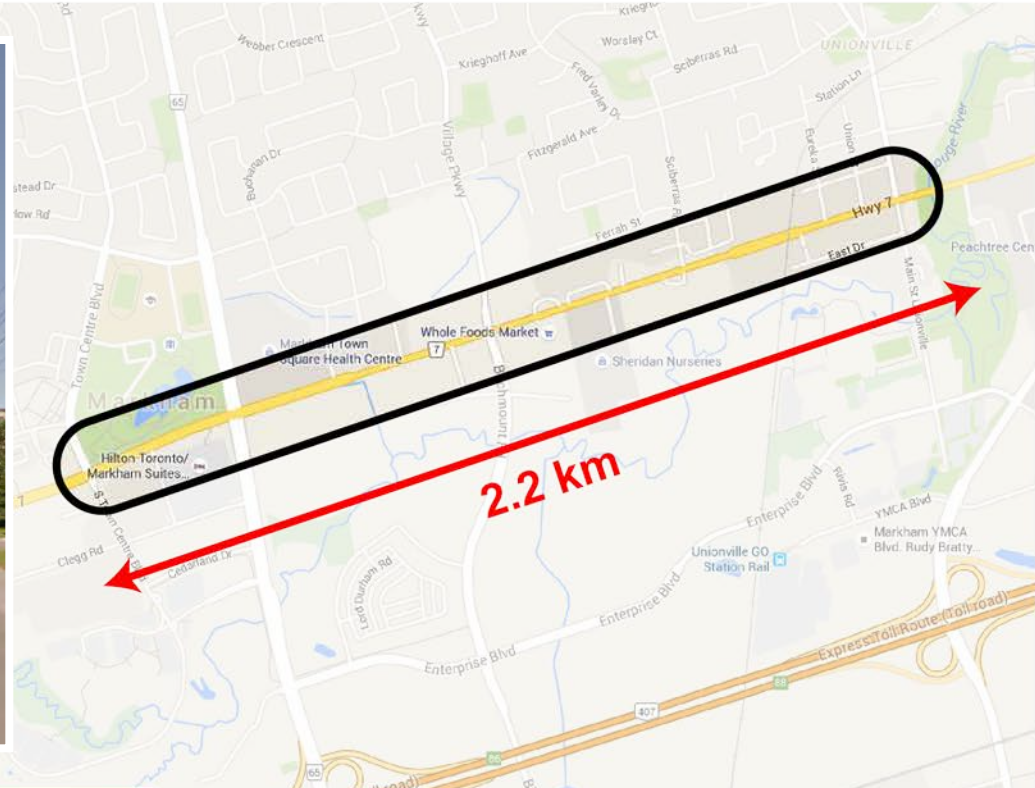
\$28 million

Complete: 2011 Complete: 2015 Start: 2015 Complete: 2016



Highway 7

Town Centre Boulevard to Sciberras Road





Bathurst Street

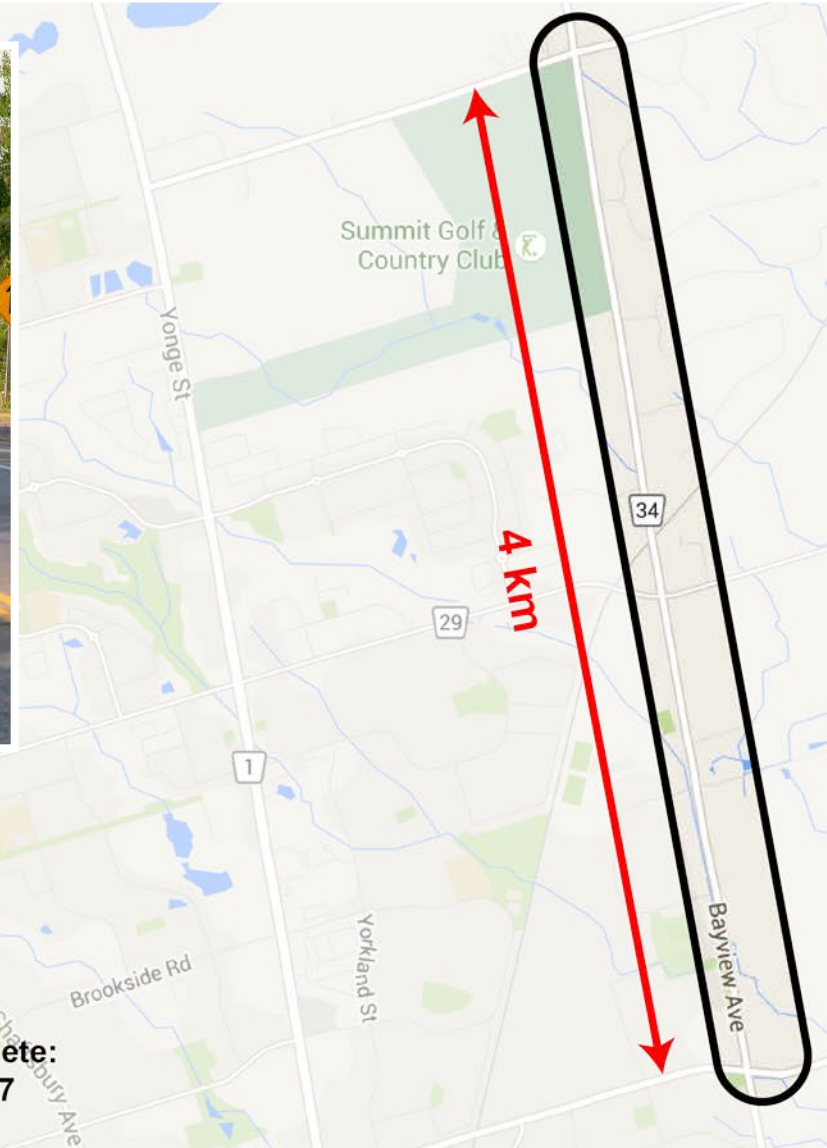
Green Lane to 1km north of Morning Sideroad





Bayview Avenue

Elgin Mills Road to Stouffville Road



19th Avenue

Linda Margaret Crescent to Bayview Avenue



\$4 million

Complete: 2001

Complete: 2015

Start: 2015

Complete: 2017

Growth Program - Detailed Design



2015 GROWTH PROJECTS: DETAILED DESIGN



Legend

Detailed Design Underway in 2015

- Detailed Design - Road Projects
- Detailed Design - Intersection Improvements
- Detailed Design - VIVA Network Expansion Projects

Multi-Lane Provincial Highway
 Provincial Highway
 Road
 Railway
 Municipal Boundary
 Regional Boundary
 Lake*
 Ever*
 Chippewas of Georgina
 Anishinabe Nation

York Region

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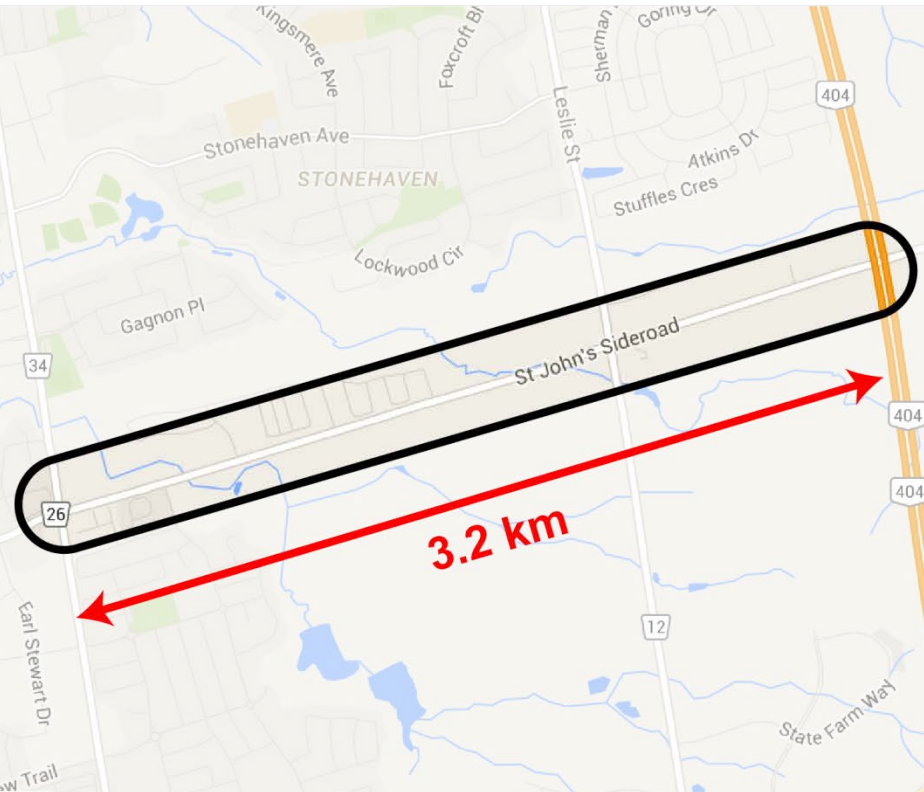
0 2 4 6 8 10 Km

Updated as of September 21, 2015



St. John's Sideroad

Bayview Avenue to Highway 404

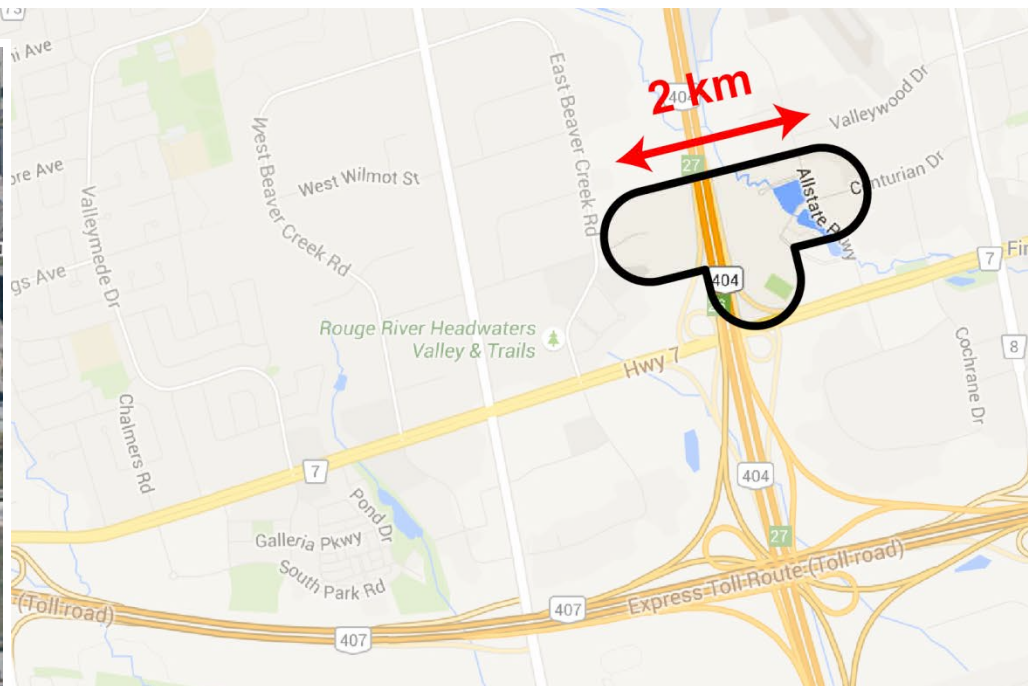
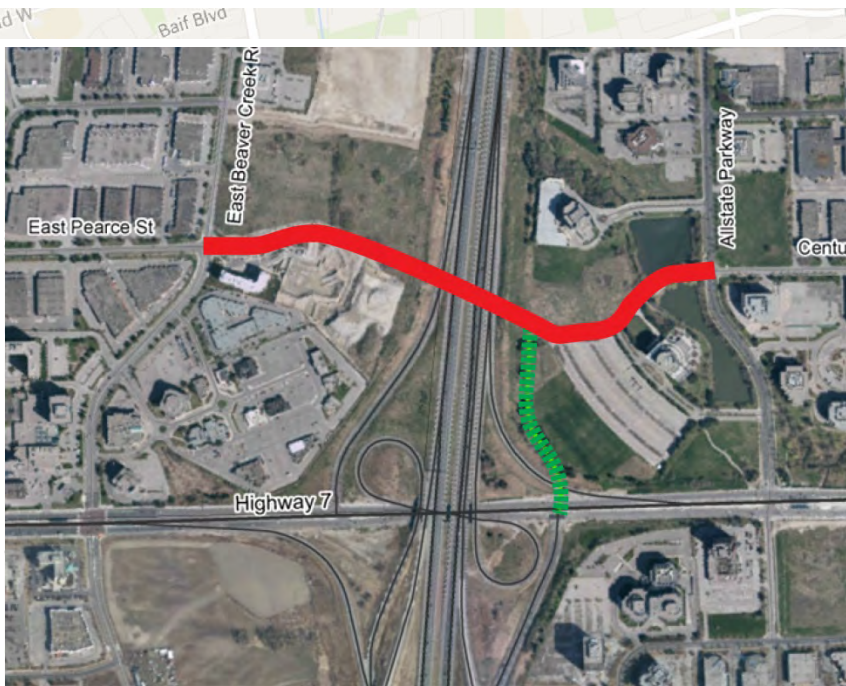


Leslie Street

Wellington Street to Broughton Lane



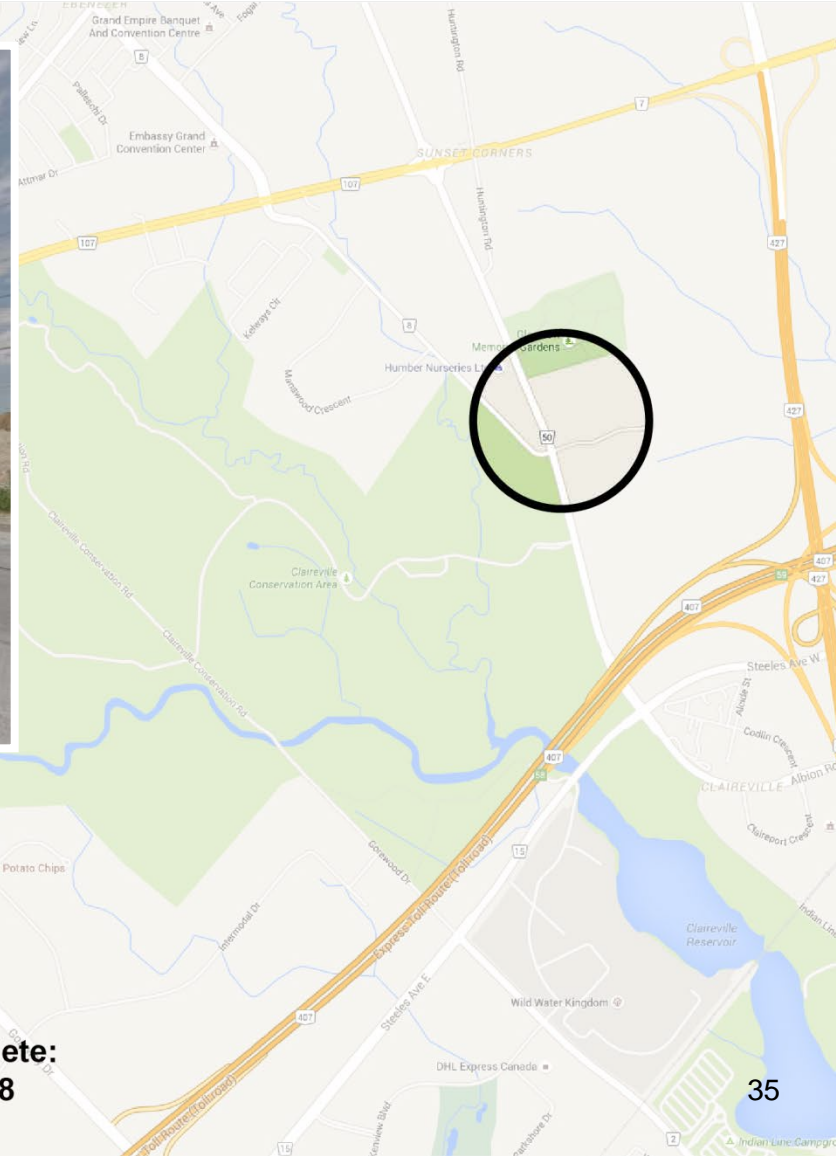
Highway 404 Midblock Crossing North of Highway 7 and Northbound Off Ramp Extension



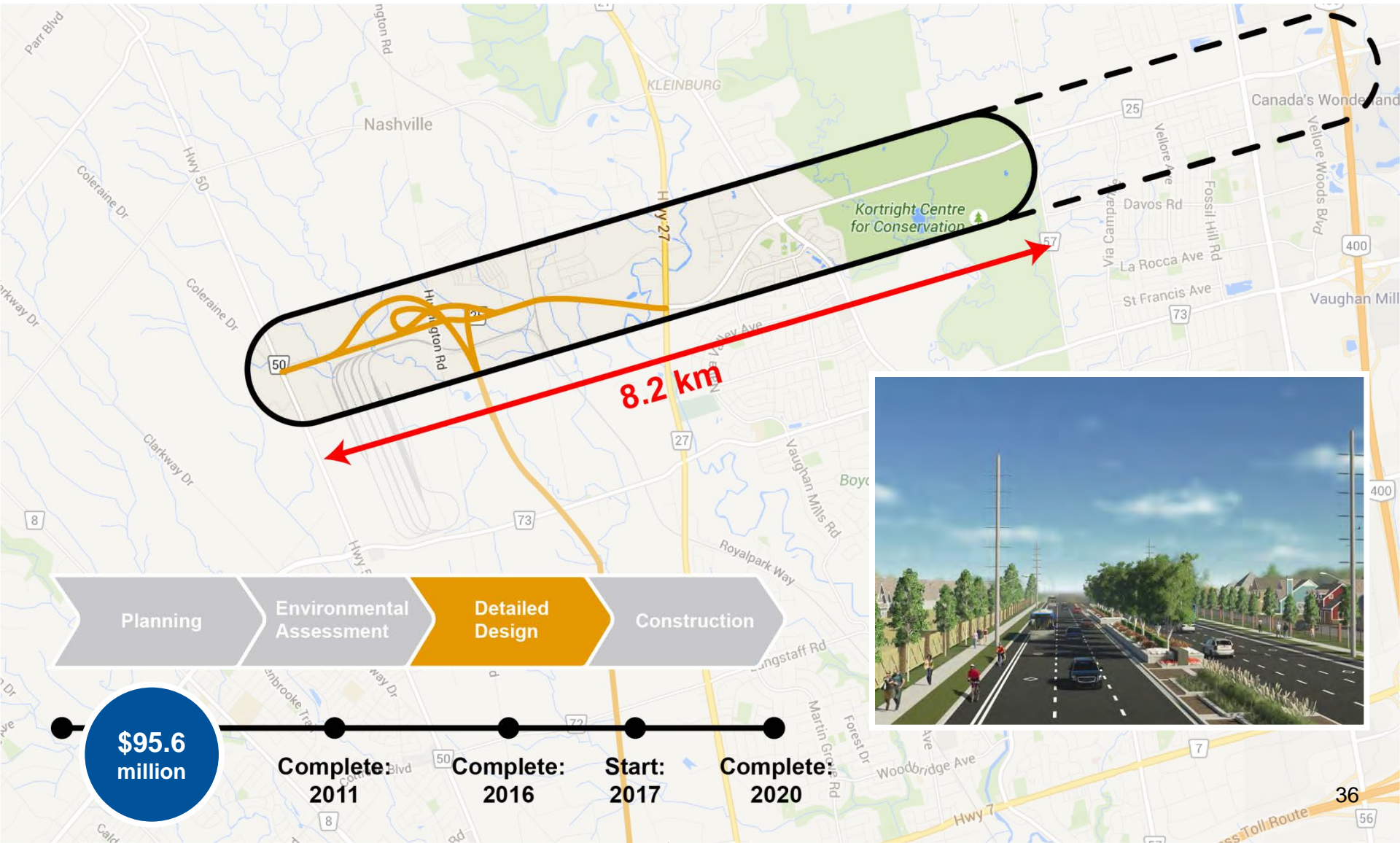
\$65 million

Complete: 2005/2008 **Complete: 2015** **Start: 2016** **Complete: 2018**

Highway 50 at Gore Road



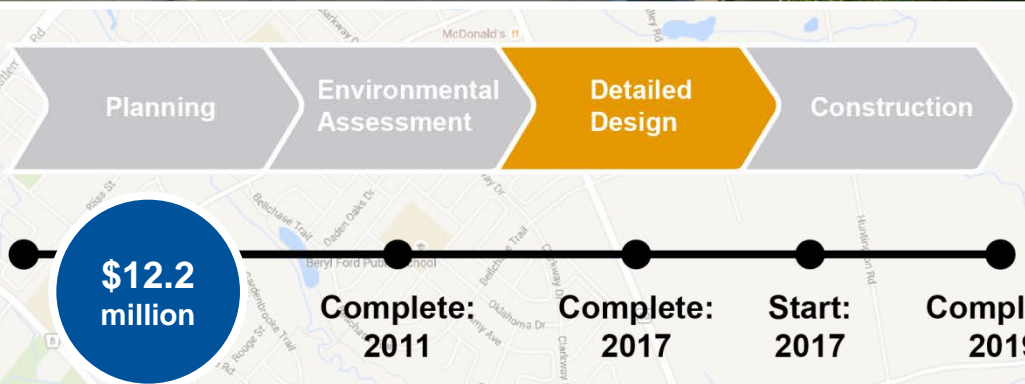
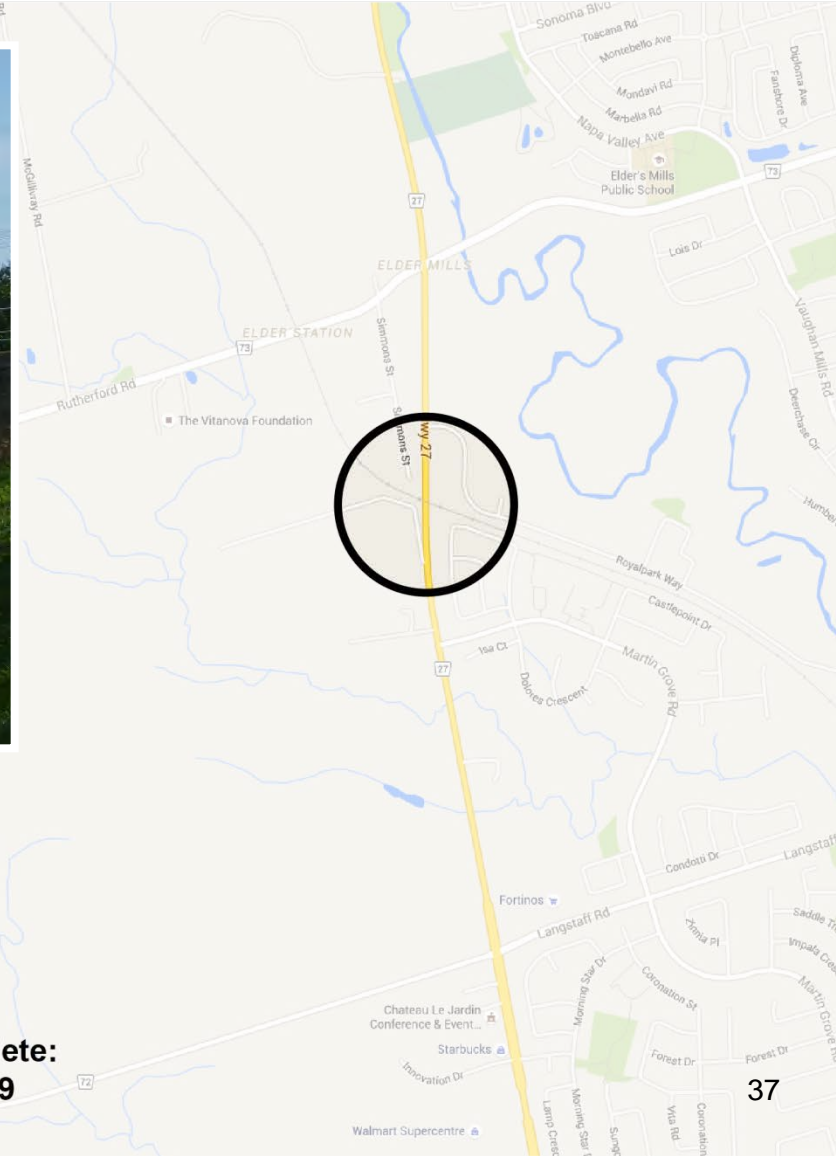
Major Mackenzie Drive Highway 50 to Pine Valley Drive



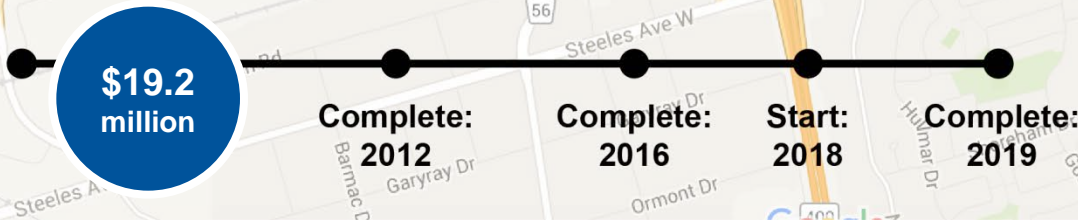
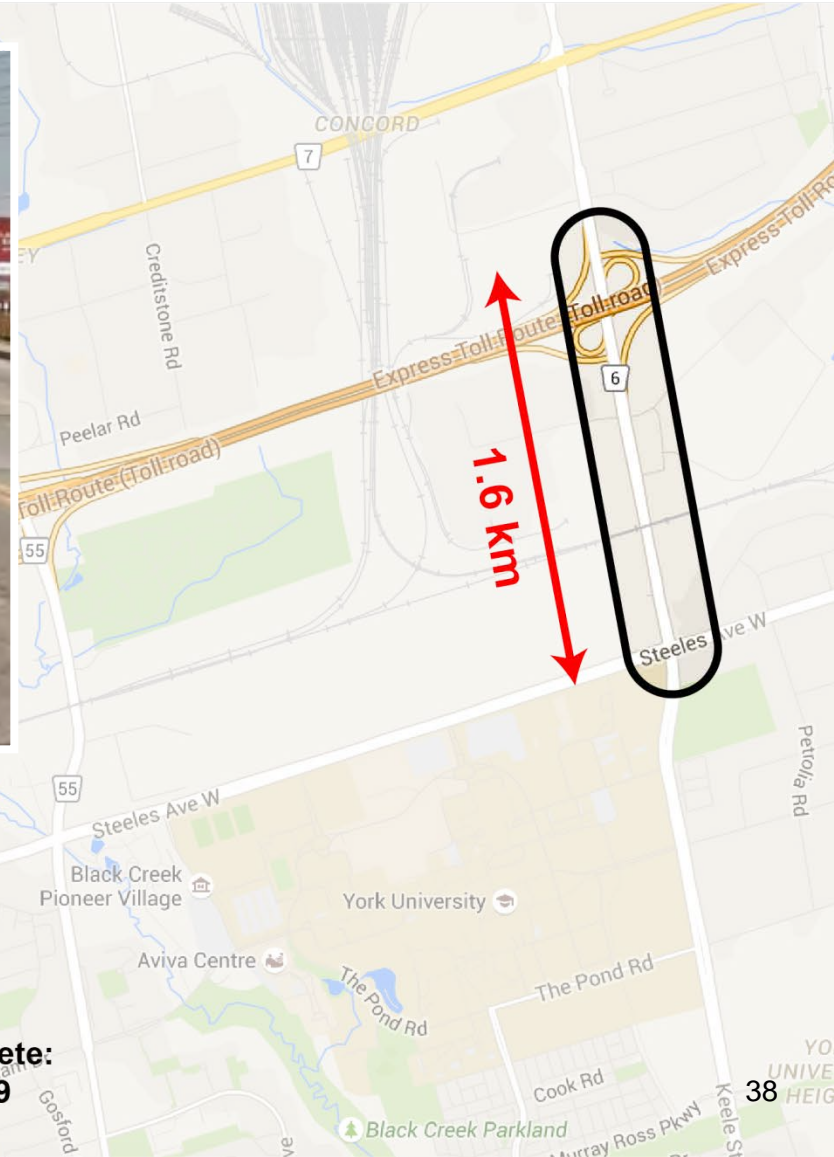
\$95.6 million

Complete: 2011 **Complete: 2016** **Start: 2017** **Complete: 2020**

Highway 27 – CP Bridge Replacement south of Rutherford Road

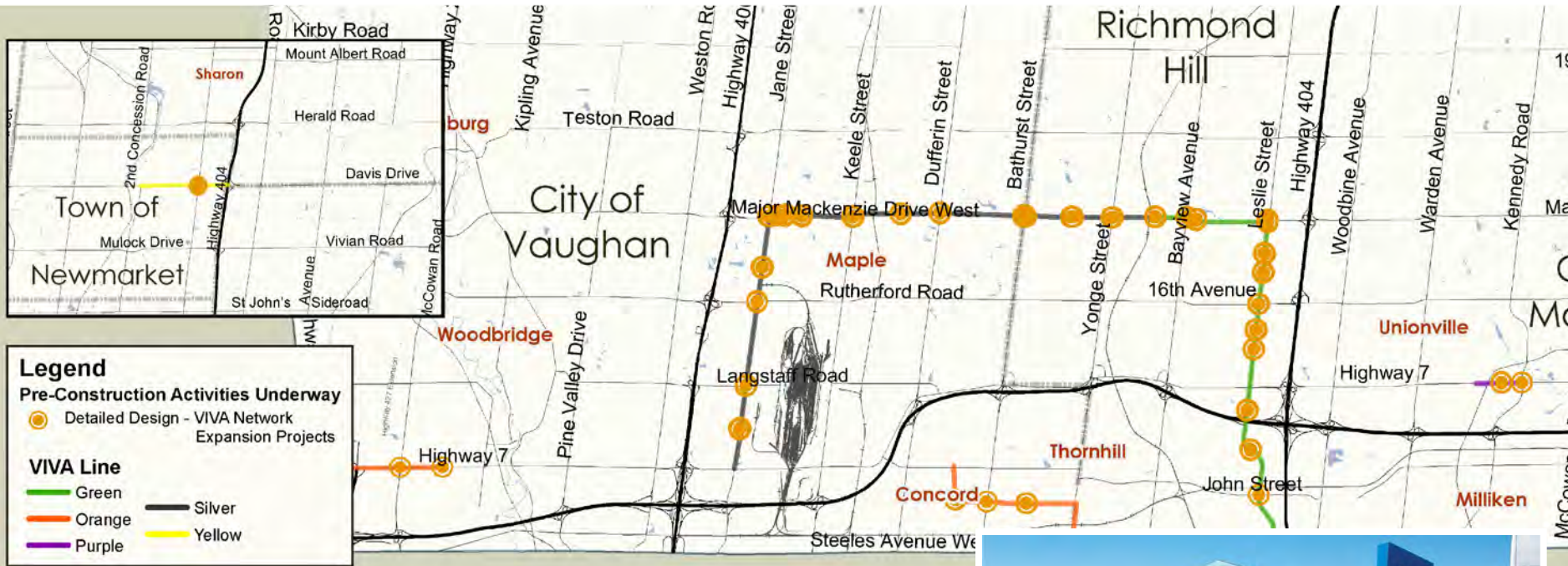


Keele Street Steeles Avenue to Highway 407

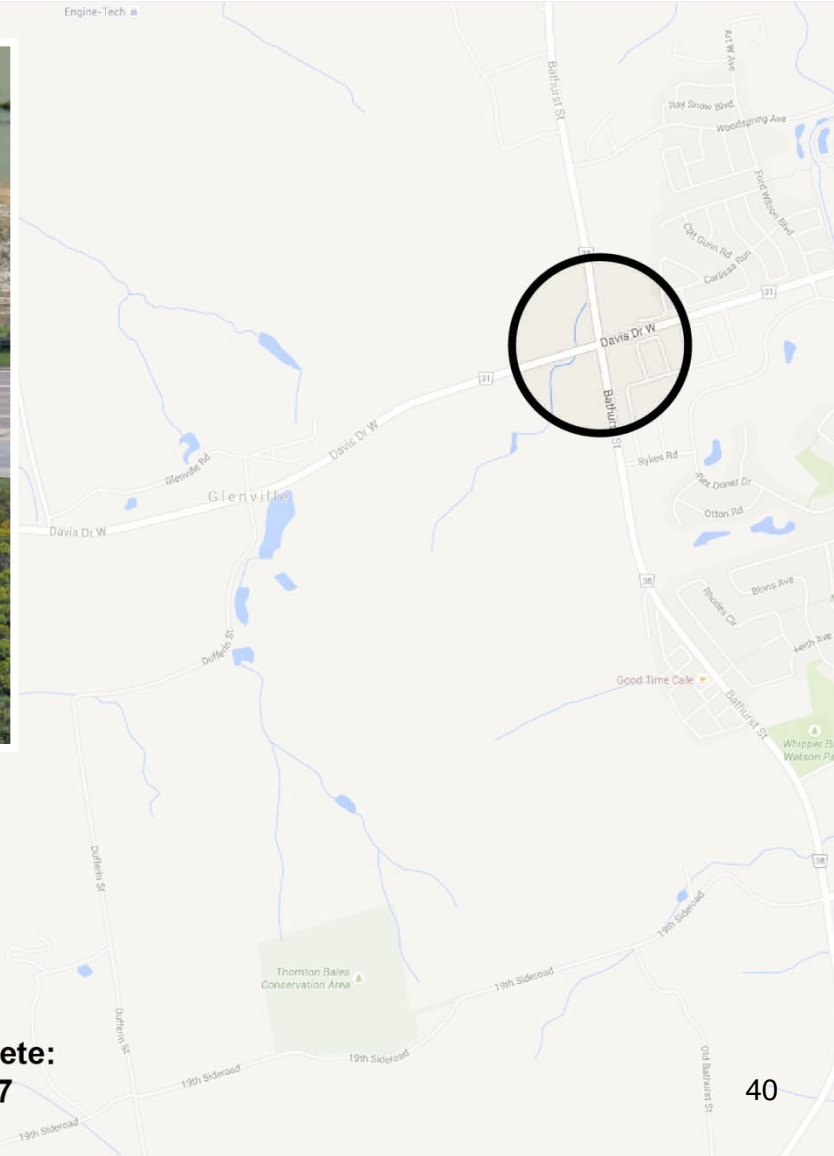
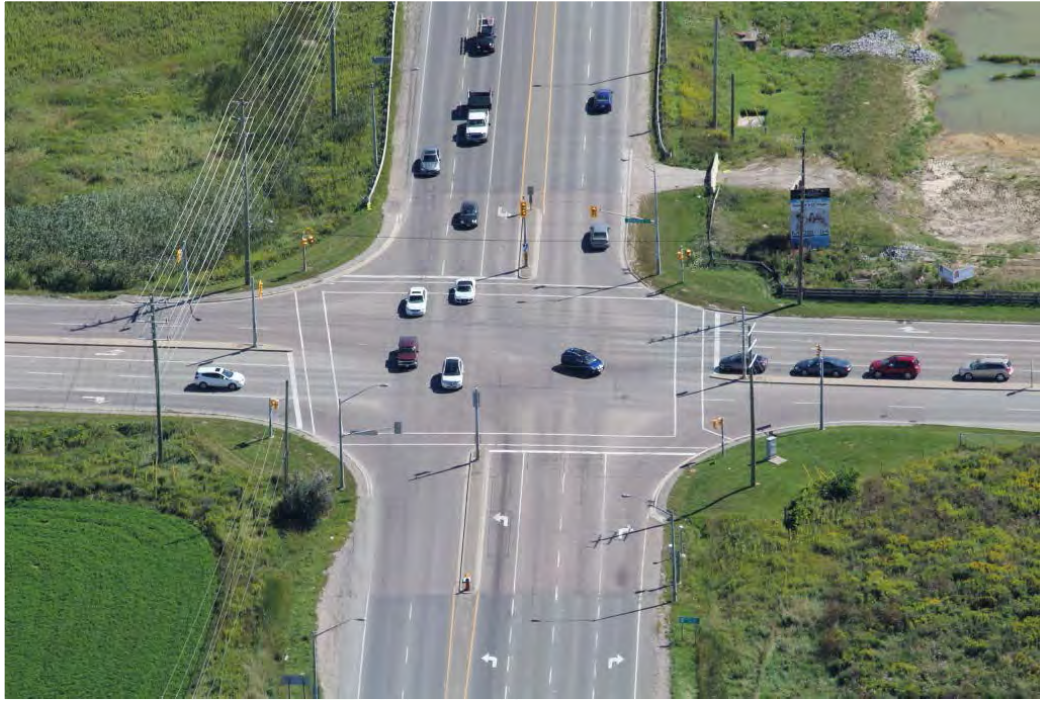


vivaNext Expansion Program

Purple, Orange, Yellow, Silver and Green



Intersection Improvements Bathurst Street and Davis Drive



Intersection Improvements

King Road at Highway 27

King Road at Weston Road



\$7.4 million

Complete: 2015

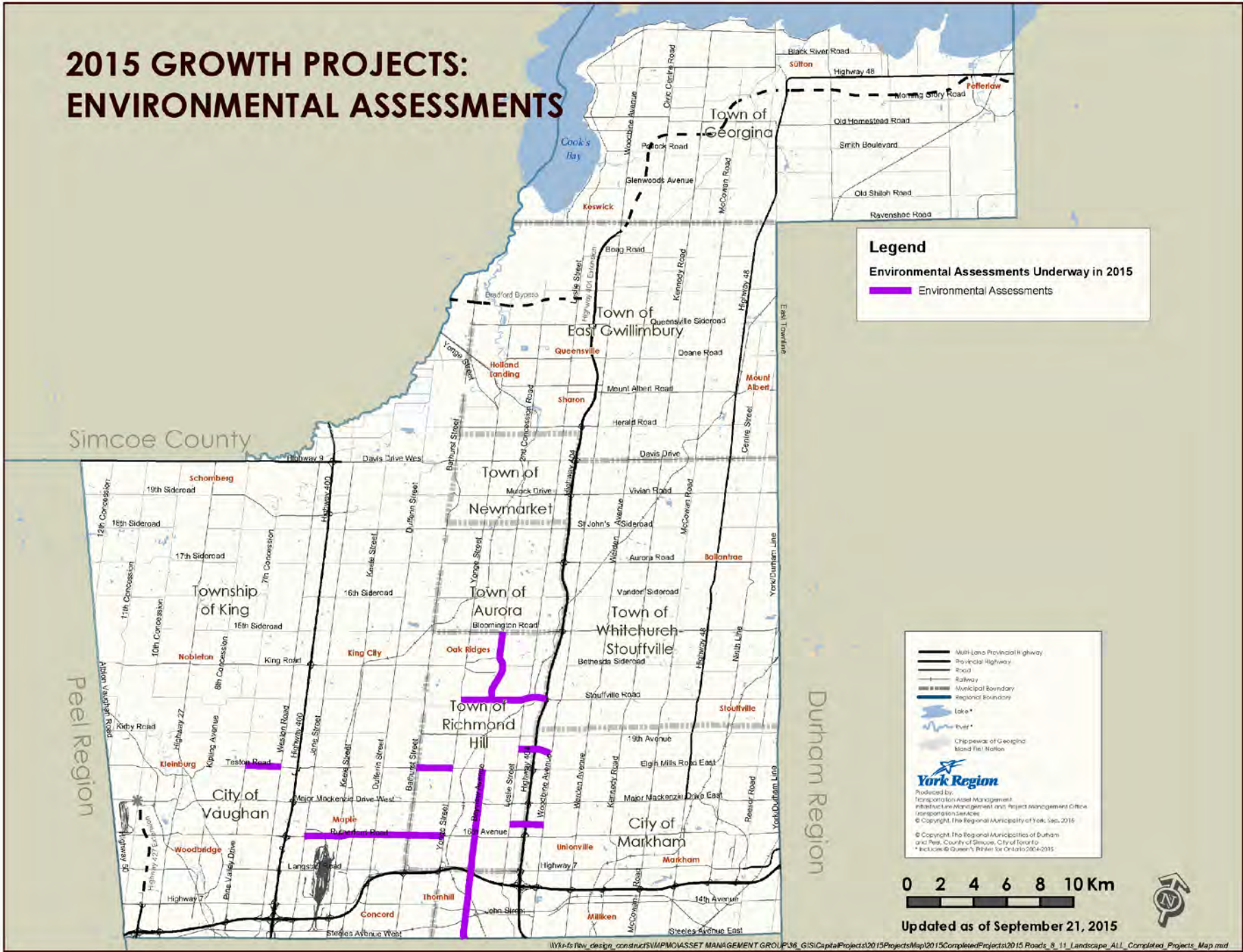
**Start: 2017
2018**

**Complete: 2017
2018**

Environmental Assessment



2015 GROWTH PROJECTS: ENVIRONMENTAL ASSESSMENTS



Legend

Environmental Assessments Underway in 2015

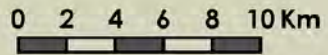
- Environmental Assessments

- Multi-Lane Provincial Highway
- Provincial Highway
- Road
- Railway
- Municipal Boundary
- Regional Boundary
- Lake *
- Water *
- Chippewas of Georgina Band First Nation

York Region

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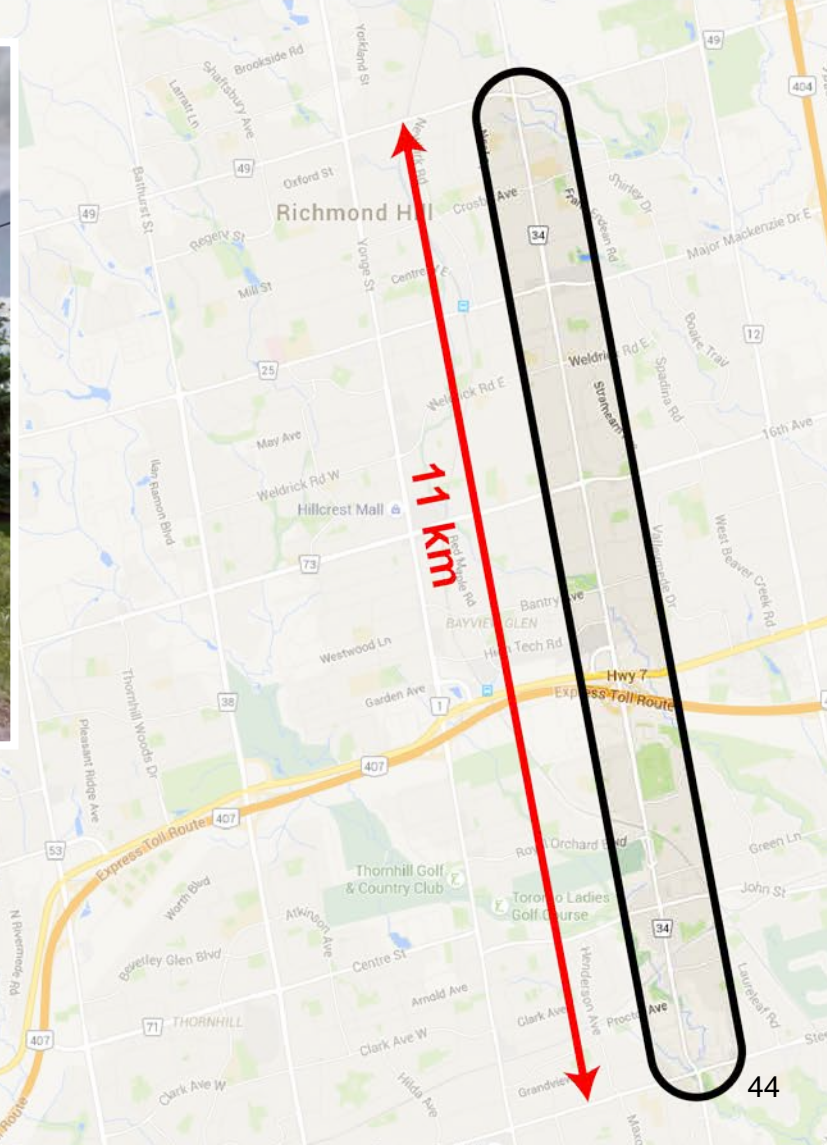
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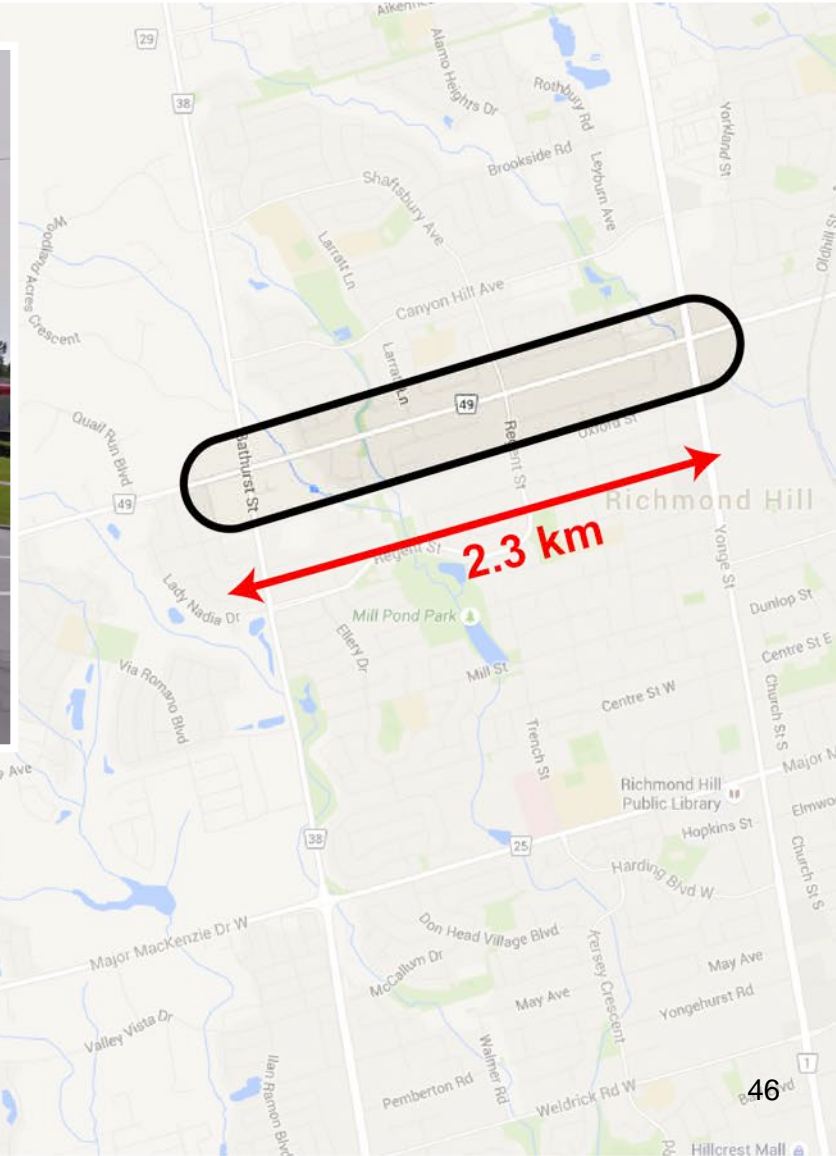
Bayview Avenue Steeles Avenue to Elgin Mills Road



Bayview Avenue Stouffville Road to Bloomington Road

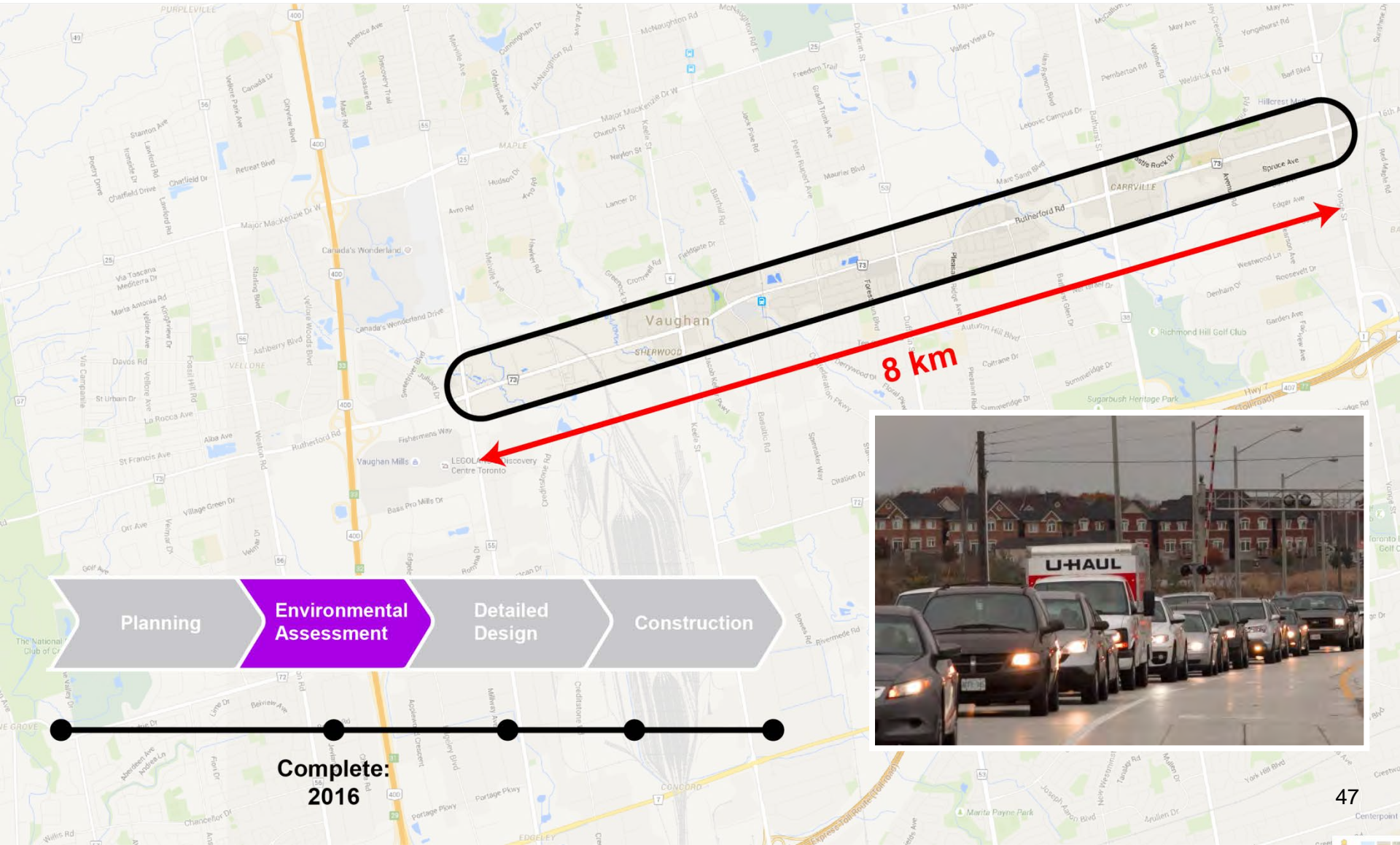


Elgin Mills Road Bathurst Street to Yonge Street



**Complete:
2016**

Rutherford Road / Carrville Road Jane Street to Yonge Street



Planning

Environmental Assessment

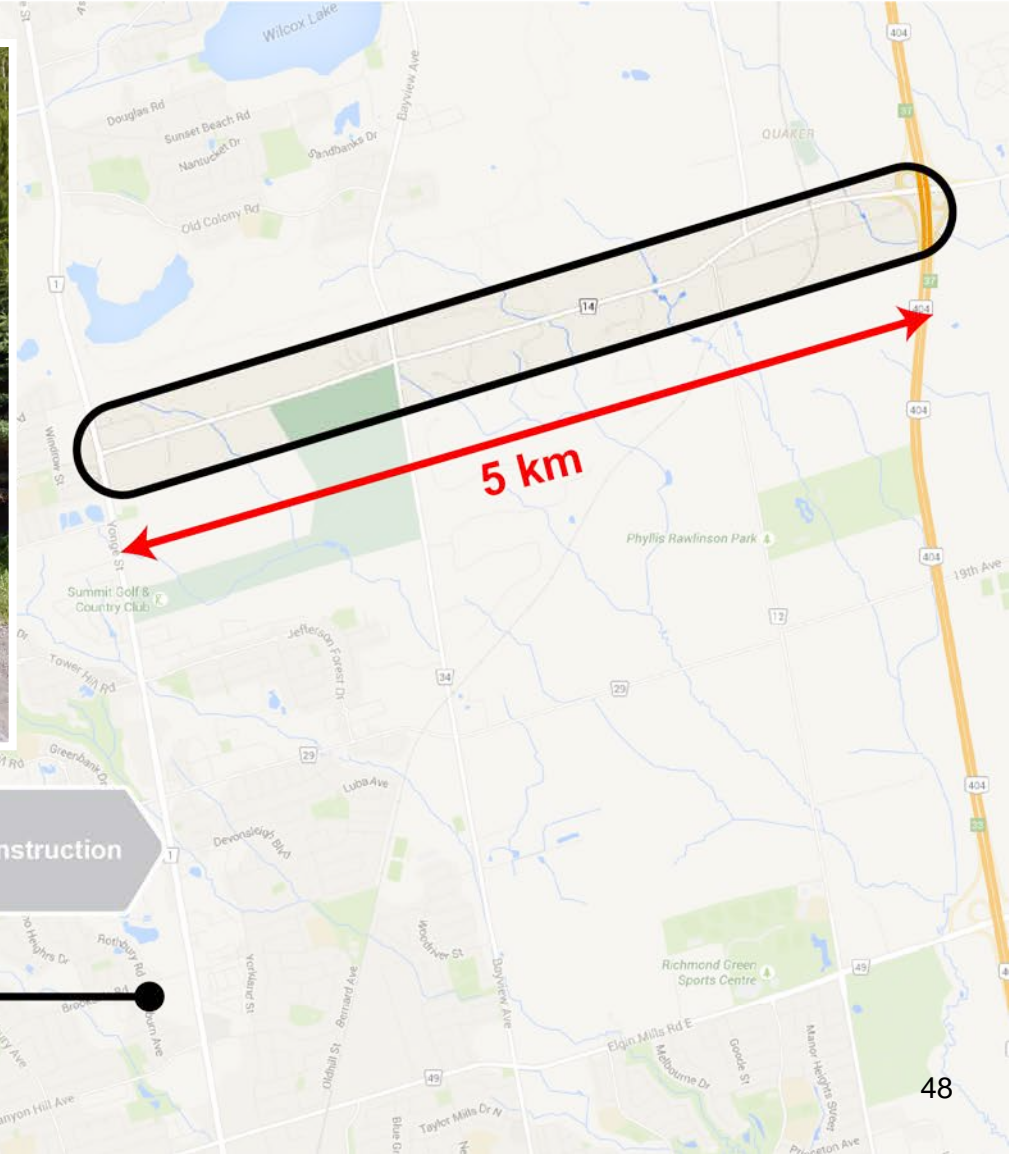
Detailed Design

Construction

**Complete:
2016**

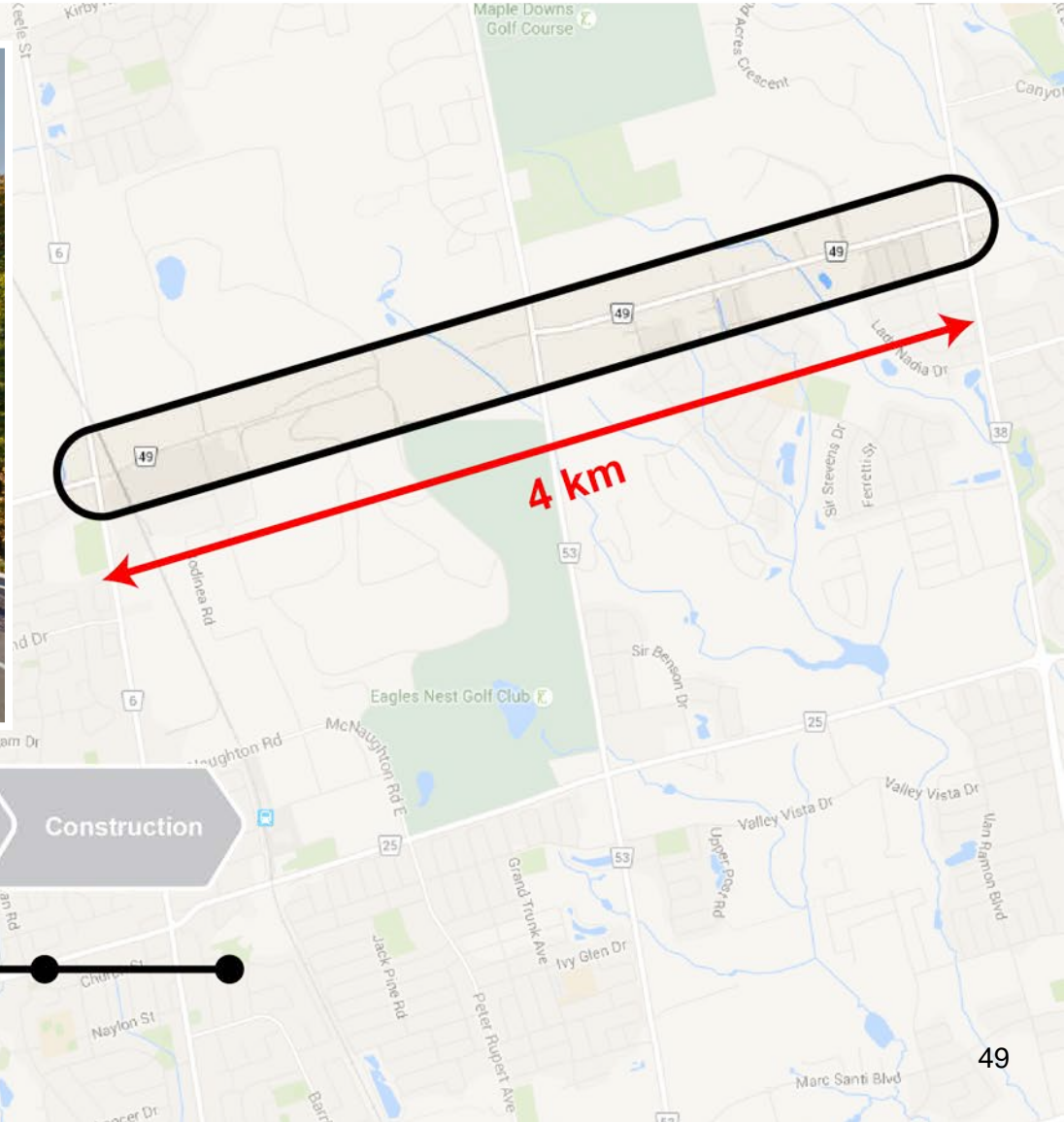


Stouffville Road Yonge Street to Highway 404



Teston Road

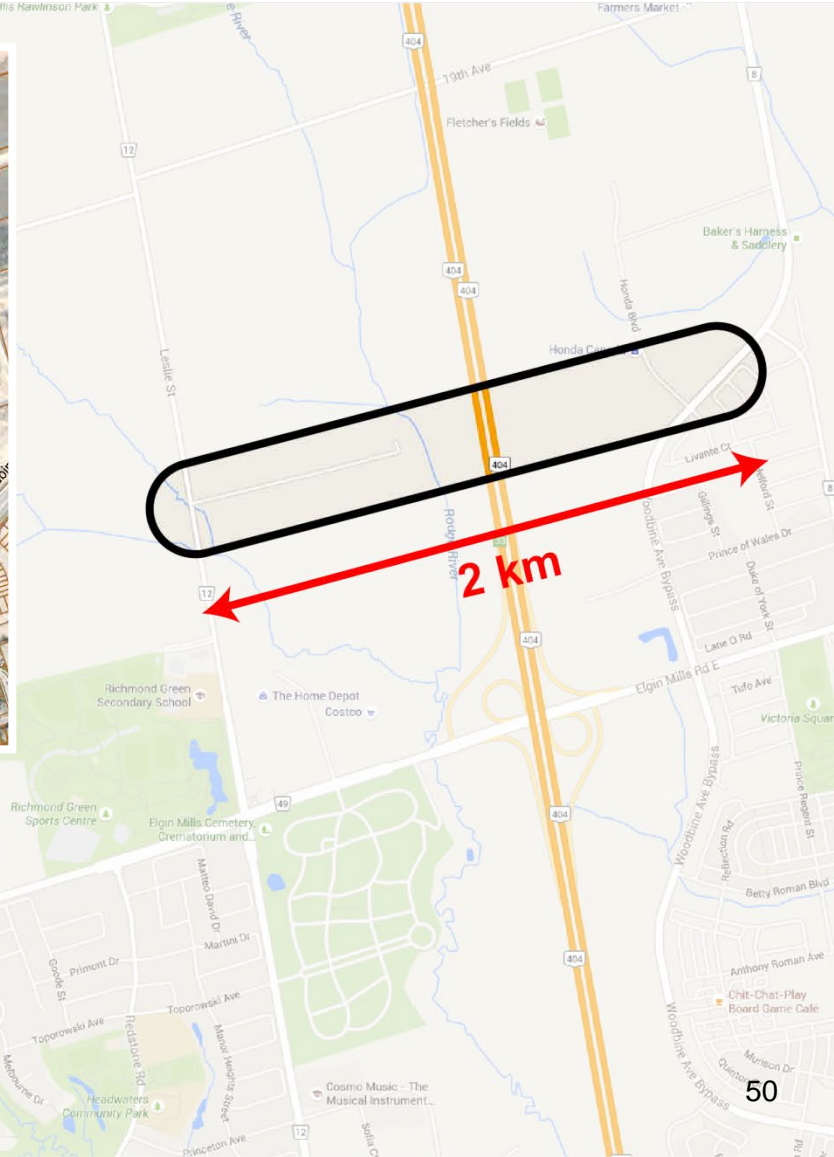
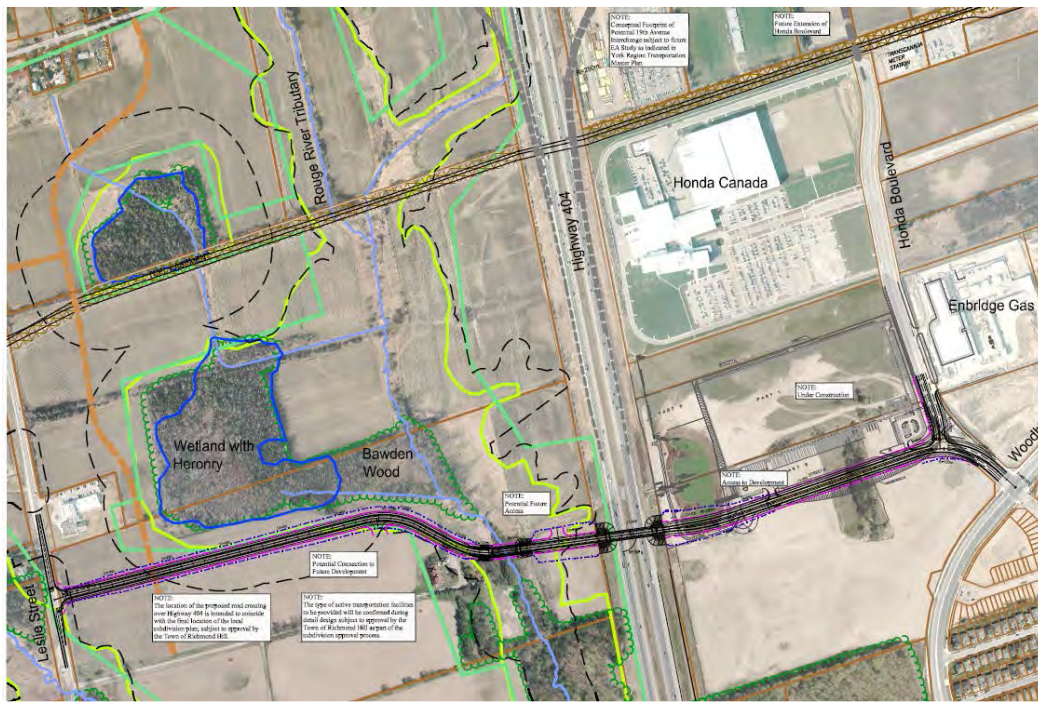
Pine Valley Drive to Weston Road



Complete:
2021

Highway 404

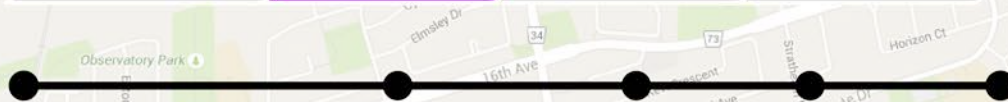
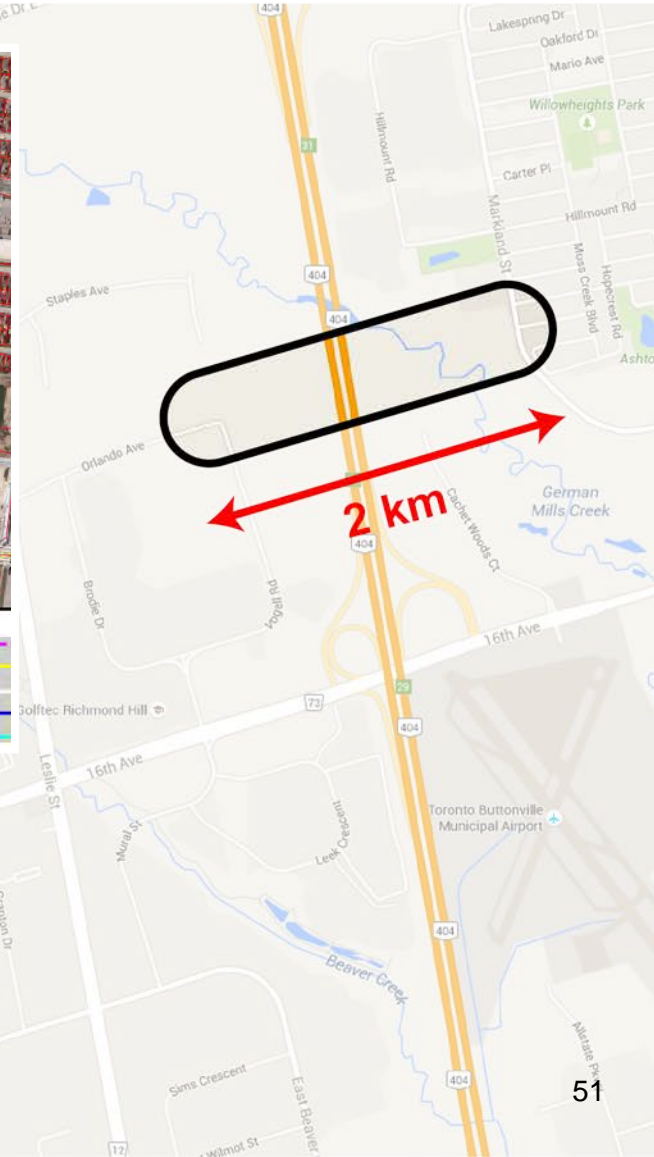
Midblock Crossing North of Elgin Mills Road



Complete:
2015

Highway 404

Midblock Crossing North of 16th Avenue



Complete:
2015

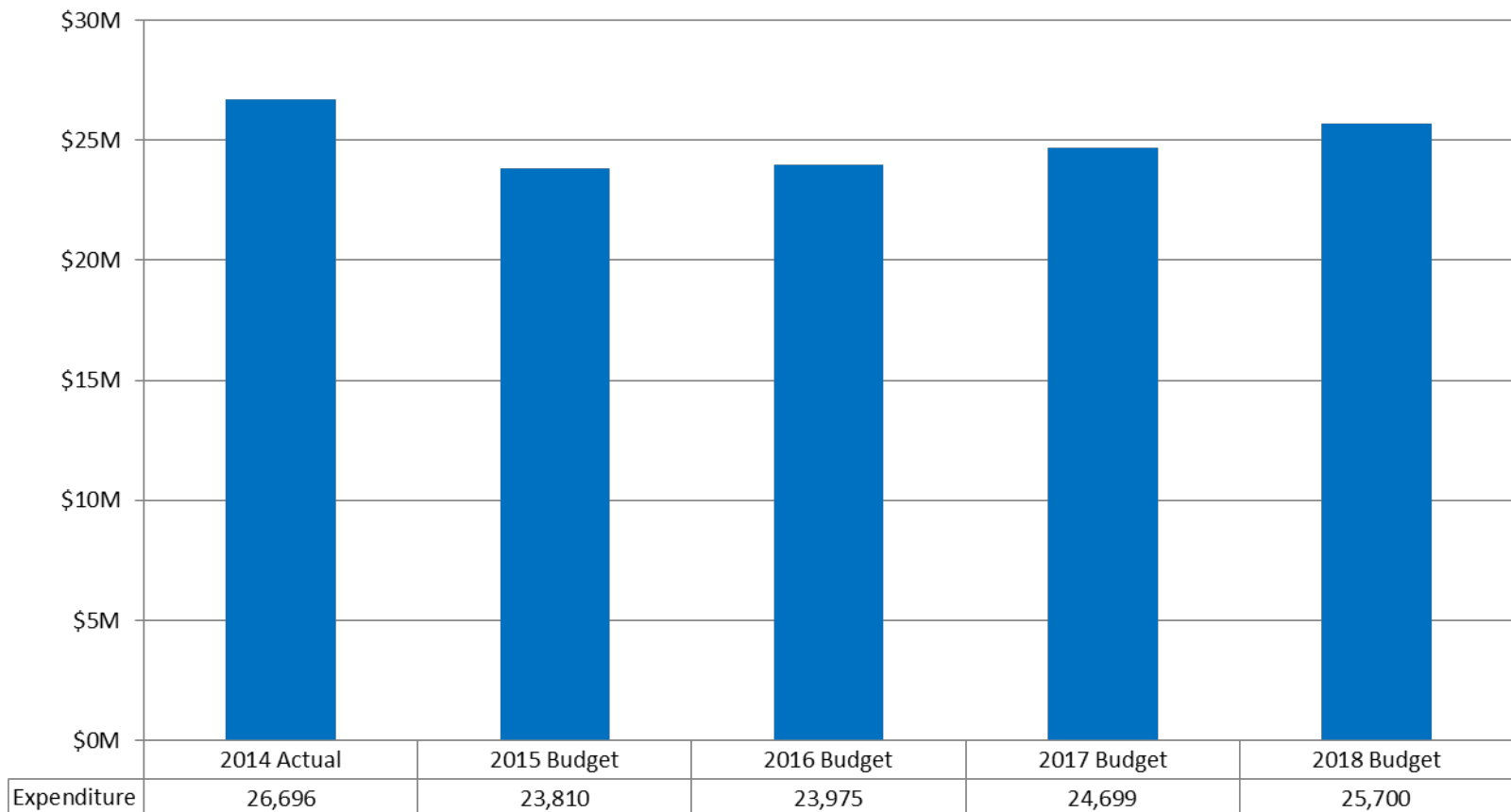
\$270 Million State of Good Repair Program



Maintain and renew roads, bridges, large culverts and traffic signals

Spending on Maintenance and Renewal Remains Consistent

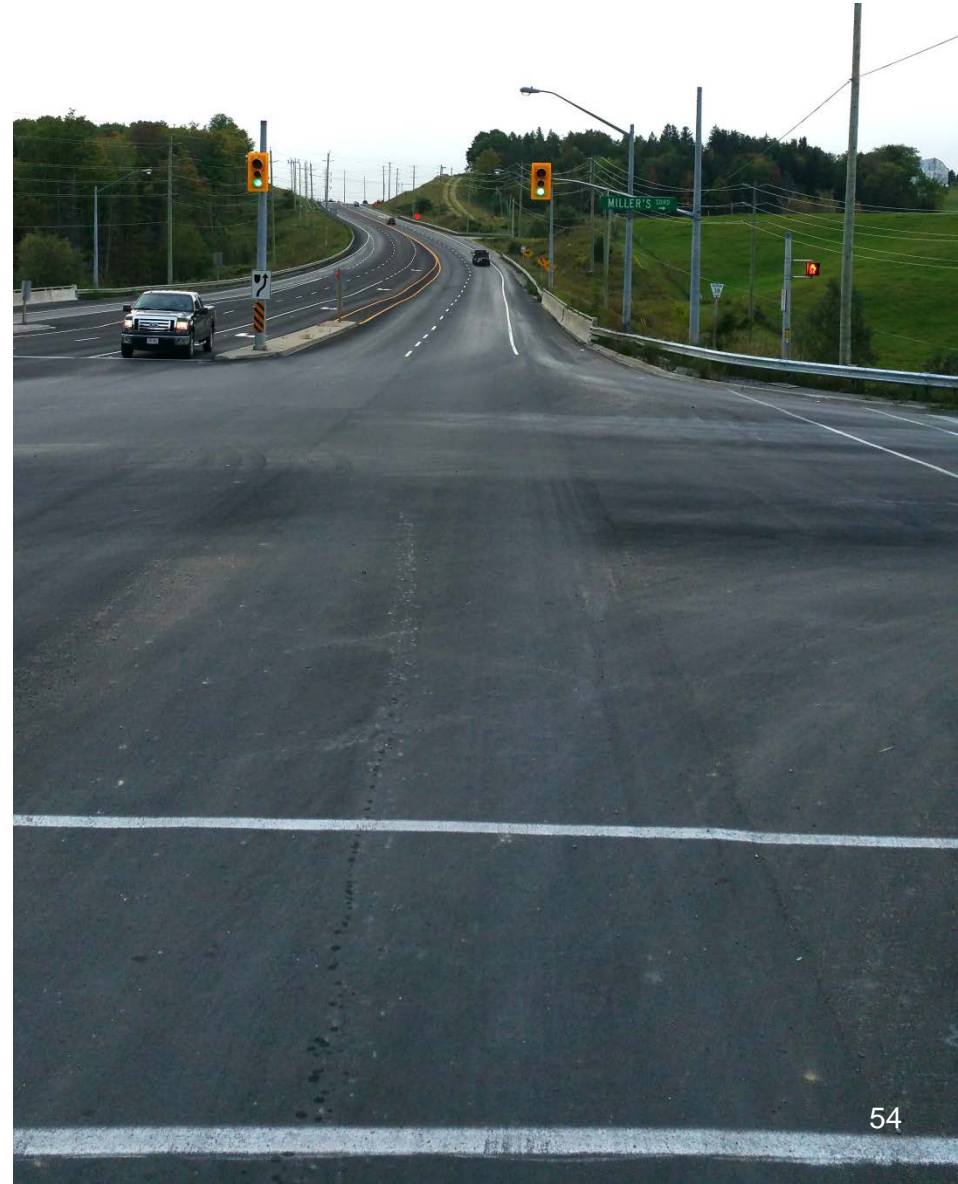
Spending on State of Good Repair Program – 2014 to 2018



Pavement Preservation

\$1.4
million

- Mount Albert Road
Kennedy Road to Highway 48
- St John's Sideroad
Yonge Street to Bayview Avenue
- Rutherford Road
CP Railway to west of Highway 27
- Bathurst Street / Green Lane West
Intersection



Road Rehabilitation

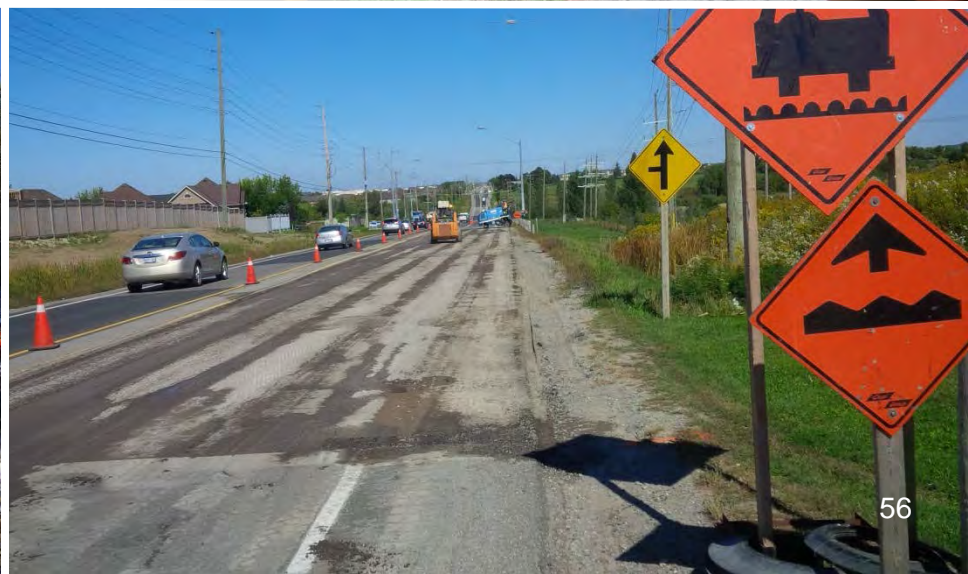
\$16.6
million

- Woodbine Avenue: Highway 7 to 16th Avenue
- 16th Avenue: Warden Avenue to Kennedy Road
- Old Homestead Road: Warden Avenue to Station Road
- 16th Avenue: Highway 48 to Donald Cousens Parkway
- Warden Avenue: Queensville Sideroad to Ravenshoe Road
- Dufferin Street: North of Major Mackenzie Drive to Kirby Road
- 14th Avenue: Ninth Line to York/Durham Line



Crack Sealing, Guiderail Improvement, Road Patching and Emergency Repairs

\$4.8 million



Bridge and Culvert Rehabilitation

\$2.7
million

- Dufferin Street, 700m south of Major Mackenzie Drive
- Mount Albert Road, 600m east of Centre Street
- Mulock Drive, 1.3km east of Yonge Street
- Highway 27, 700m north of Highway 7
- McCowan Road, 700m north of Highway 407
- Pepperlaw Road, 1.6km west of Lake Ridge Road
- York/Durham Line, 1.9km north of Stouffville Road
- McCowan Road, 1km north of Stouffville Road
- Major Mackenzie Drive, 1.6km east of Islington Avenue
- Highway 7, 2.13km east of Warden Avenue
- Bayview Avenue, 0.8km north of Steeles Avenue



Traffic Control Signal/ Intersection Improvements

\$2.4
million

- Jane Street south of Major Mackenzie Drive
- Warden Avenue and Vivian Road
- Dufferin Street at Royal Crest Academy
- Jane Street at Ahmadiyya Baitul Islam Mosque
- Kennedy Road at Milliken Mills High School South Access
- Village Parkway/Country Estates Drive and 16th Avenue
- Donald Cousens Parkway and Delray Drive
- Elgin Mills Road and Duke of York/Prince Regent
- Bathurst Street and Tower Hill Road
- Weston Road and Chatfield Drive/Retreat Boulevard
- Davis Drive and Eagle Street
- Islington Avenue and Hayhoe Lane
- Highway 7 and Main Street
- Major Mackenzie Drive at Melville Avenue
- Yonge Street at North Lake Road/Aubrey Avenue
- School Zone Flashers – two locations
- Flashing Beacons – two locations



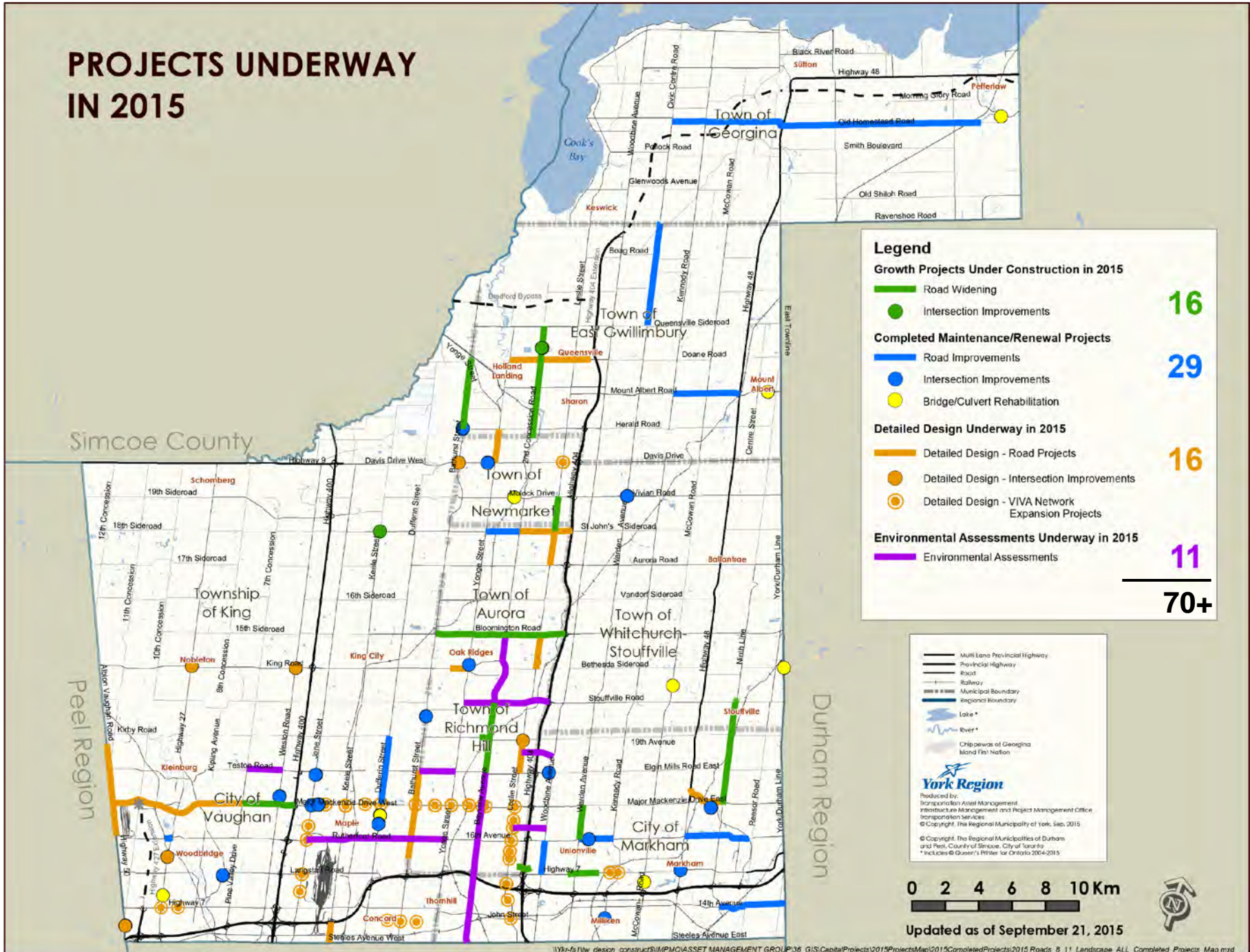
Zebra Markings

\$0.8
million

- Dufferin Street at Dufferin Hill/Apple Blossom
- Woodbine Avenue at Church Street
- Green Lane East at Harry Walker Parkway
- Bayview Avenue at the Real Canadian Superstore
- Ninth Line at Tier's Gate/White's Hill
- Warden Avenue at Commercial Entrance north of Steeles
- Leslie Street at Elgin Street
- Leslie Street at Gorham Street
- Leslie Street at Leslie Valley Drive/Ringwell Drive
- Leslie Street at Jacarandah Drive/Stellar Drive
- Leslie Street at Srigley Street/Stackhouse Road
- Leslie Street at Wayne Drive



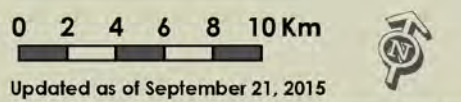
PROJECTS UNDERWAY IN 2015



Legend	
Growth Projects Under Construction in 2015	
■ Road Widening	16
● Intersection Improvements	
Completed Maintenance/Renewal Projects	
■ Road Improvements	29
● Intersection Improvements	
● Bridge/Culvert Rehabilitation	
Detailed Design Underway in 2015	
■ Detailed Design - Road Projects	16
● Detailed Design - Intersection Improvements	
● Detailed Design - VIVA Network Expansion Projects	
Environmental Assessments Underway in 2015	
■ Environmental Assessments	11
70+	

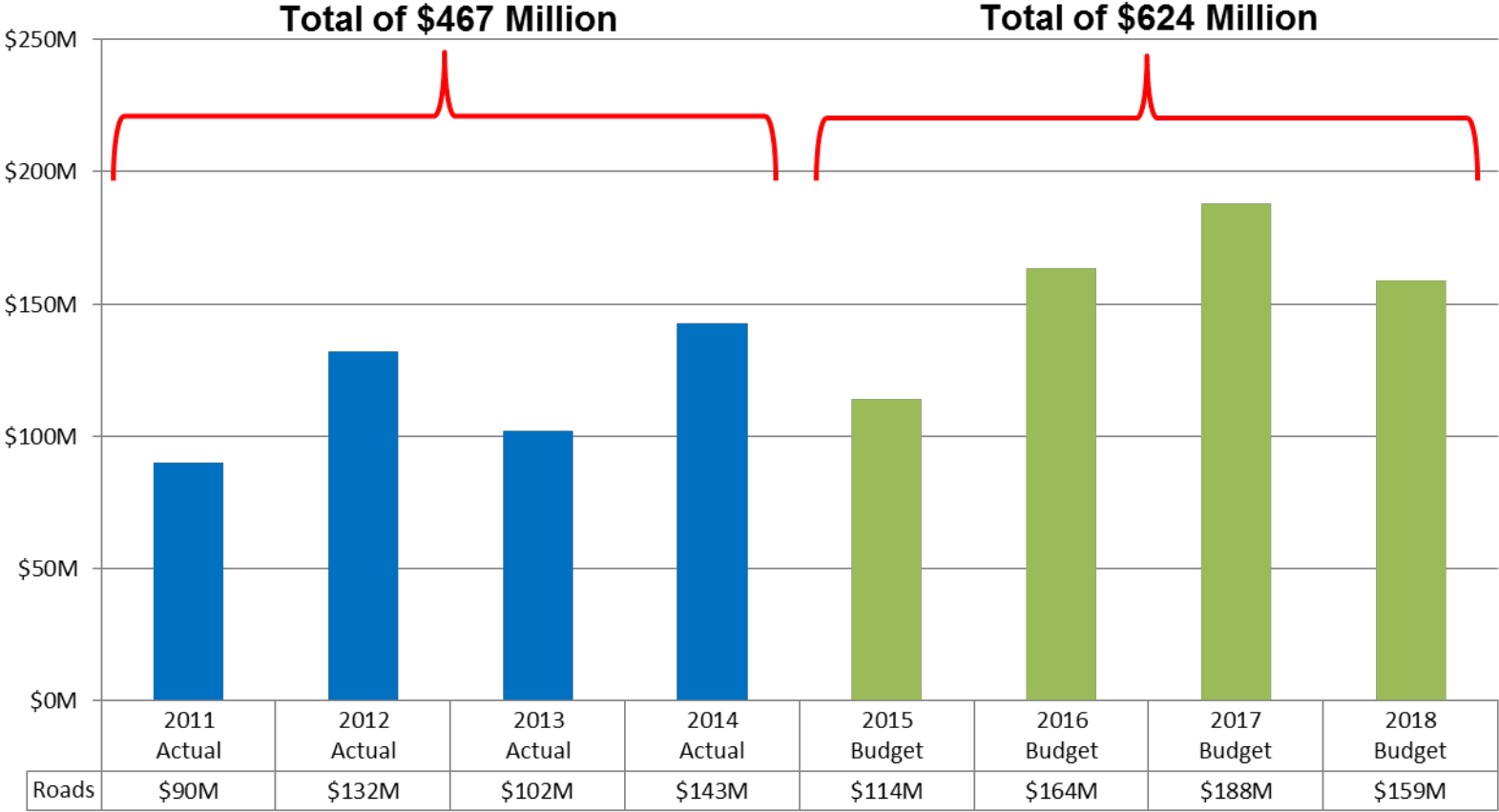
Multi Lane Provincial Highway
 Provincial Highway
 Road
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 Municipal Boundary
 Regional Boundary
■ Lake *
— River *
 Chipewyan of Georgina
 Island (1st Nation)

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Increase in Road Improvements Budget

Overall Spending on Roads 2011 to 2018



Salim Alibhai, P.Eng.

Director, Capital Planning and Delivery
Transportation Services

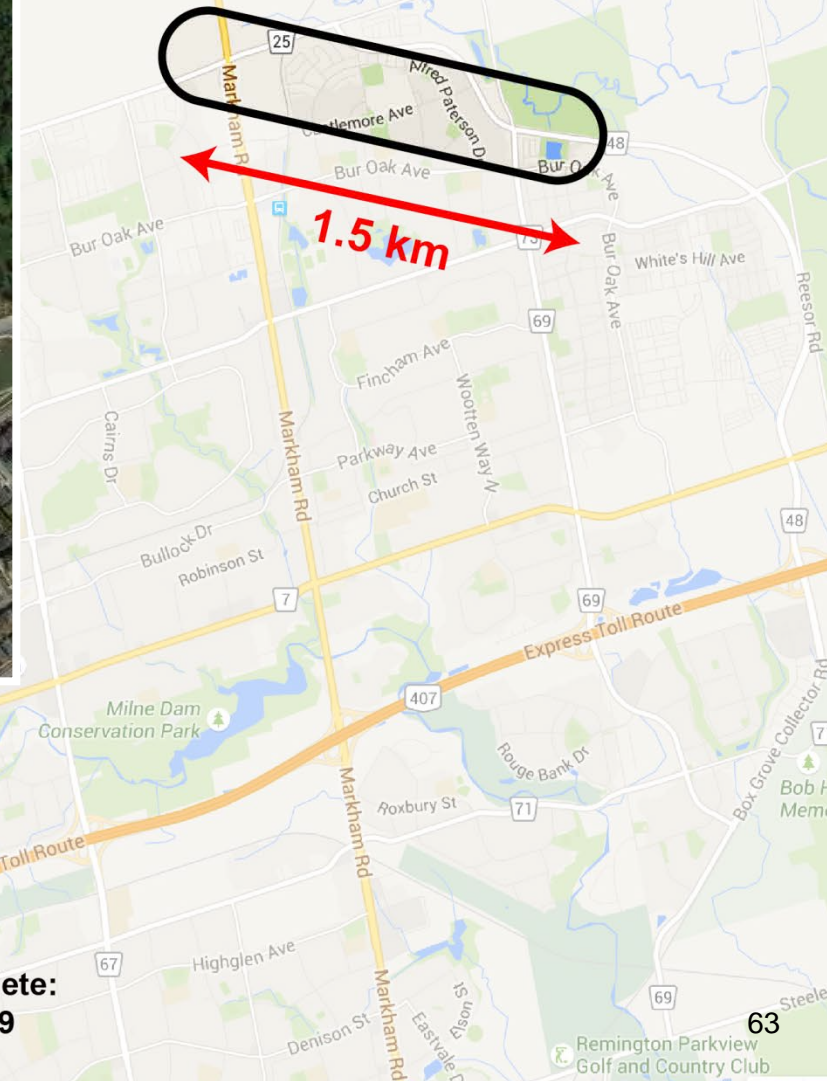
1-877-464-9675 ext. 75229

salim.alibhai@york.ca



Donald Cousens Parkway Extension

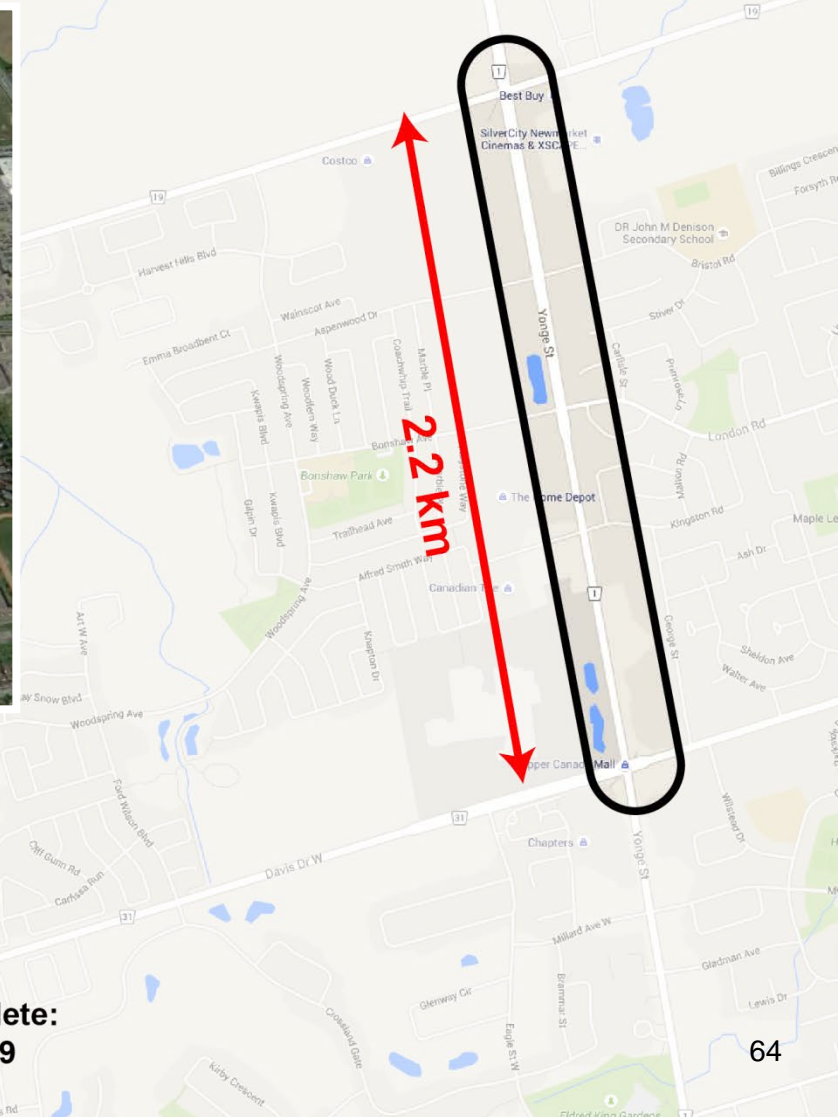
Major Mackenzie Drive to Highway 48



\$19.5 million

Complete: 1996 **Complete: 2014** **Start: 2018** **Complete: 2019**

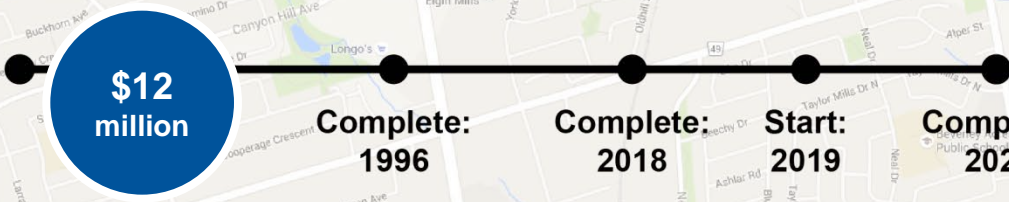
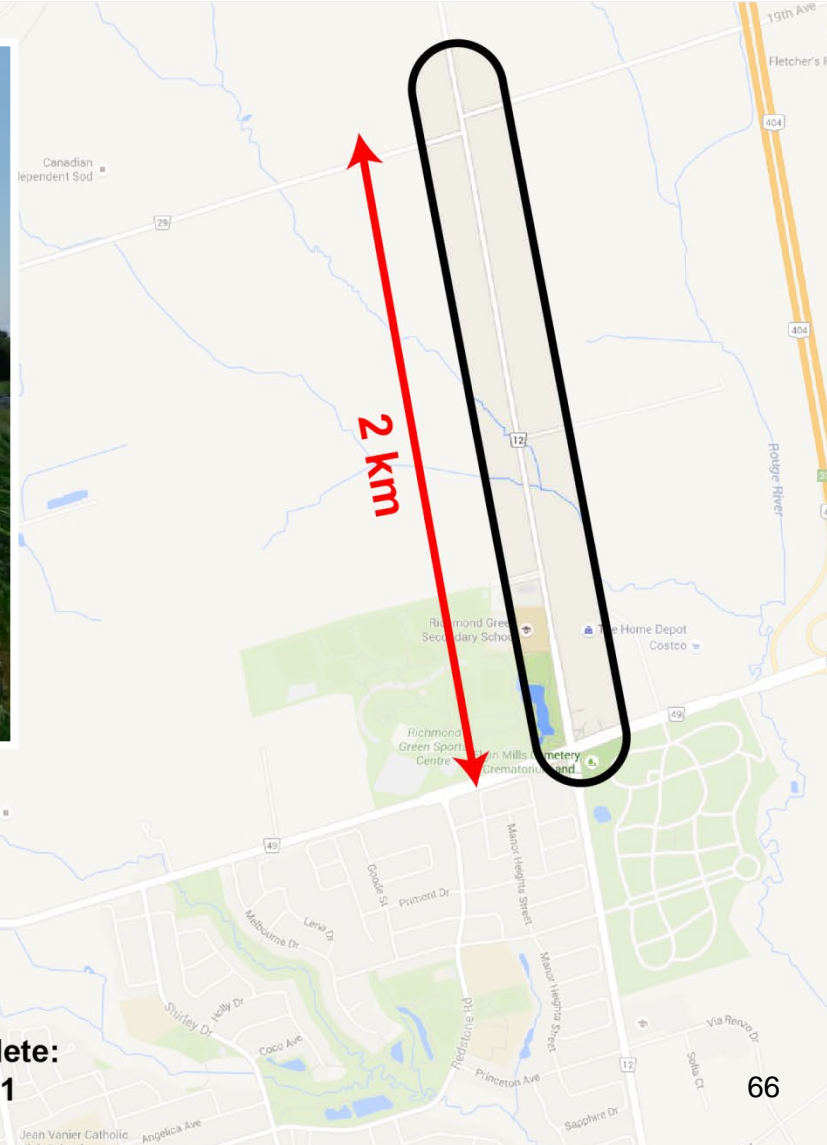
Yonge Street Davis Drive to Green Lane



Bathurst Street Highway 7 to Elgin Mills Road

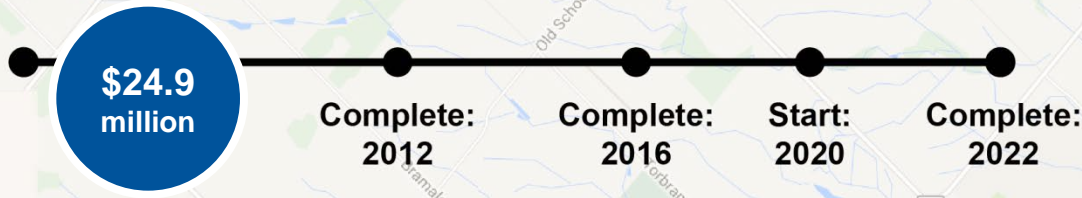
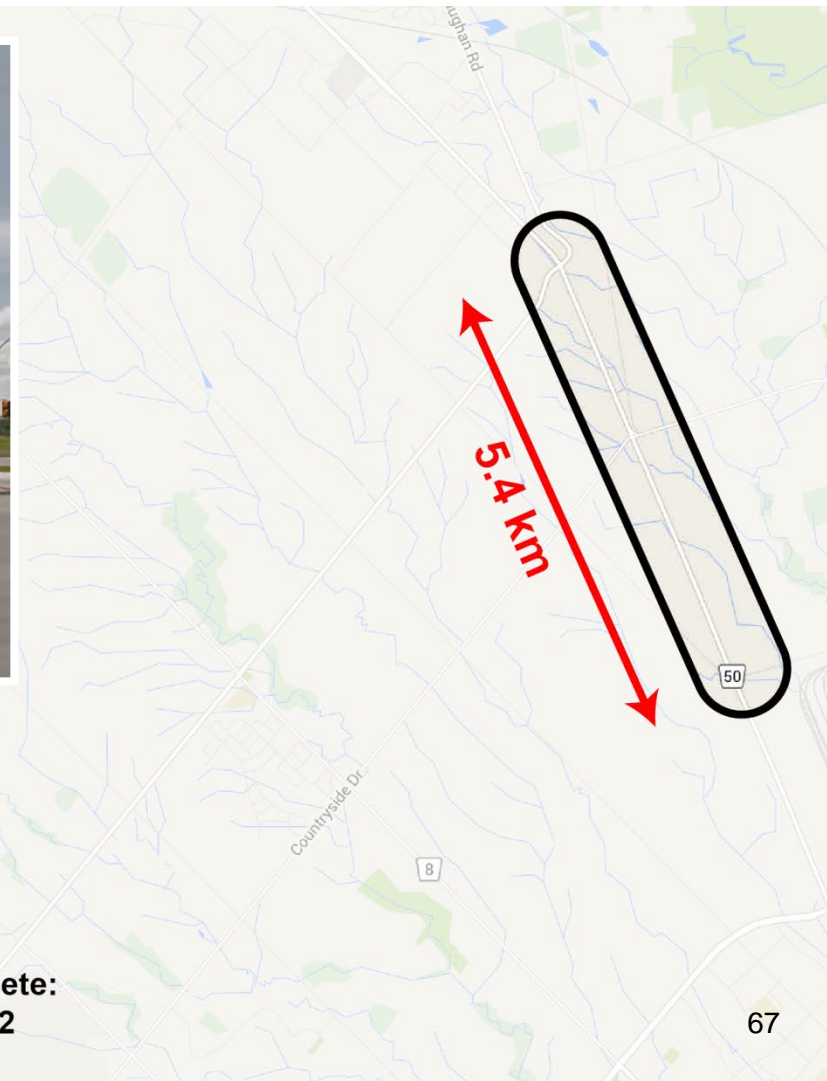


Leslie Street Elgin Mills Road to 19th Avenue



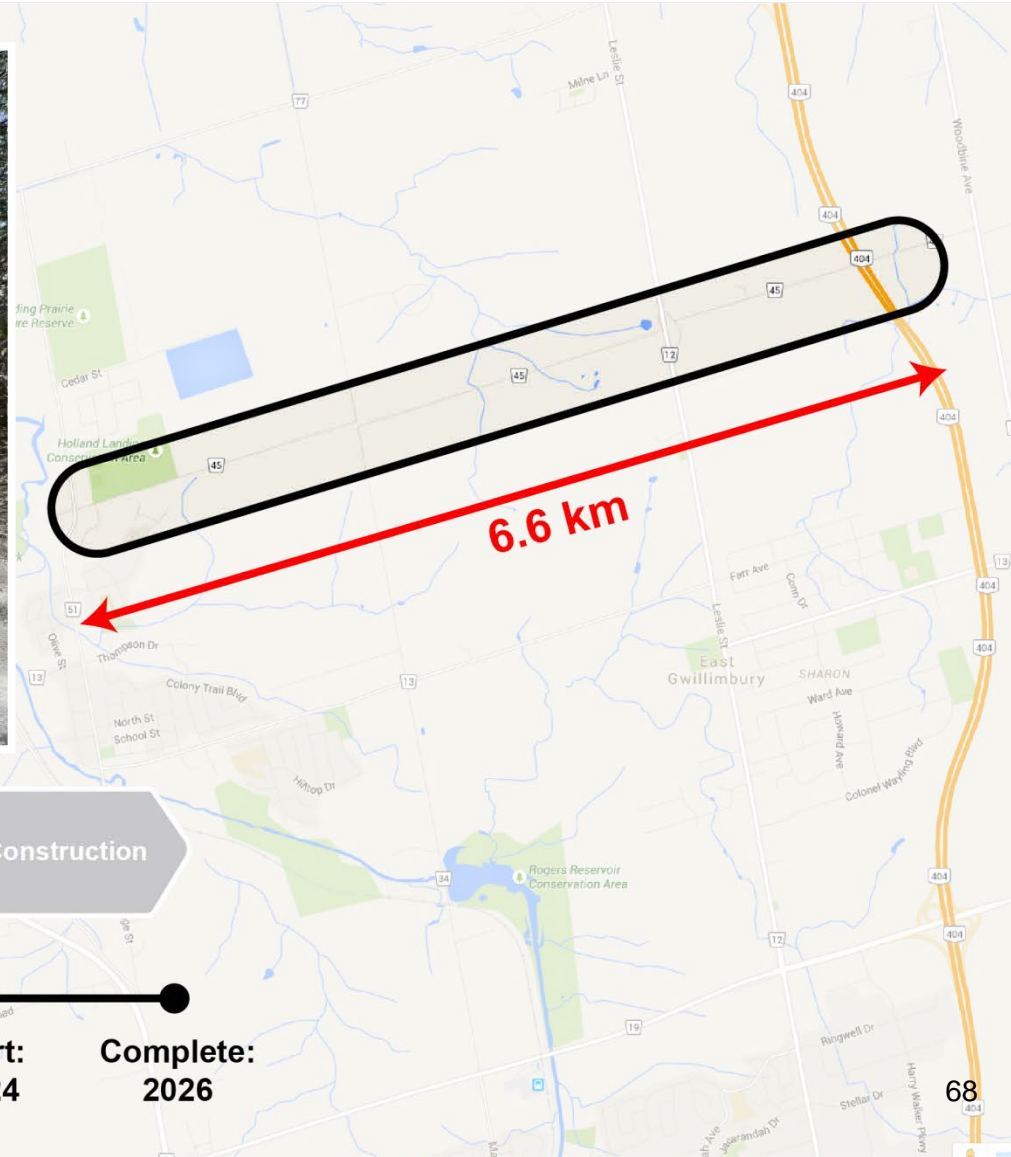
Highway 50

Rutherford Road to Albion-Vaughan Road/Mayfield Road



Doane Road

Yonge Street to Highway 404

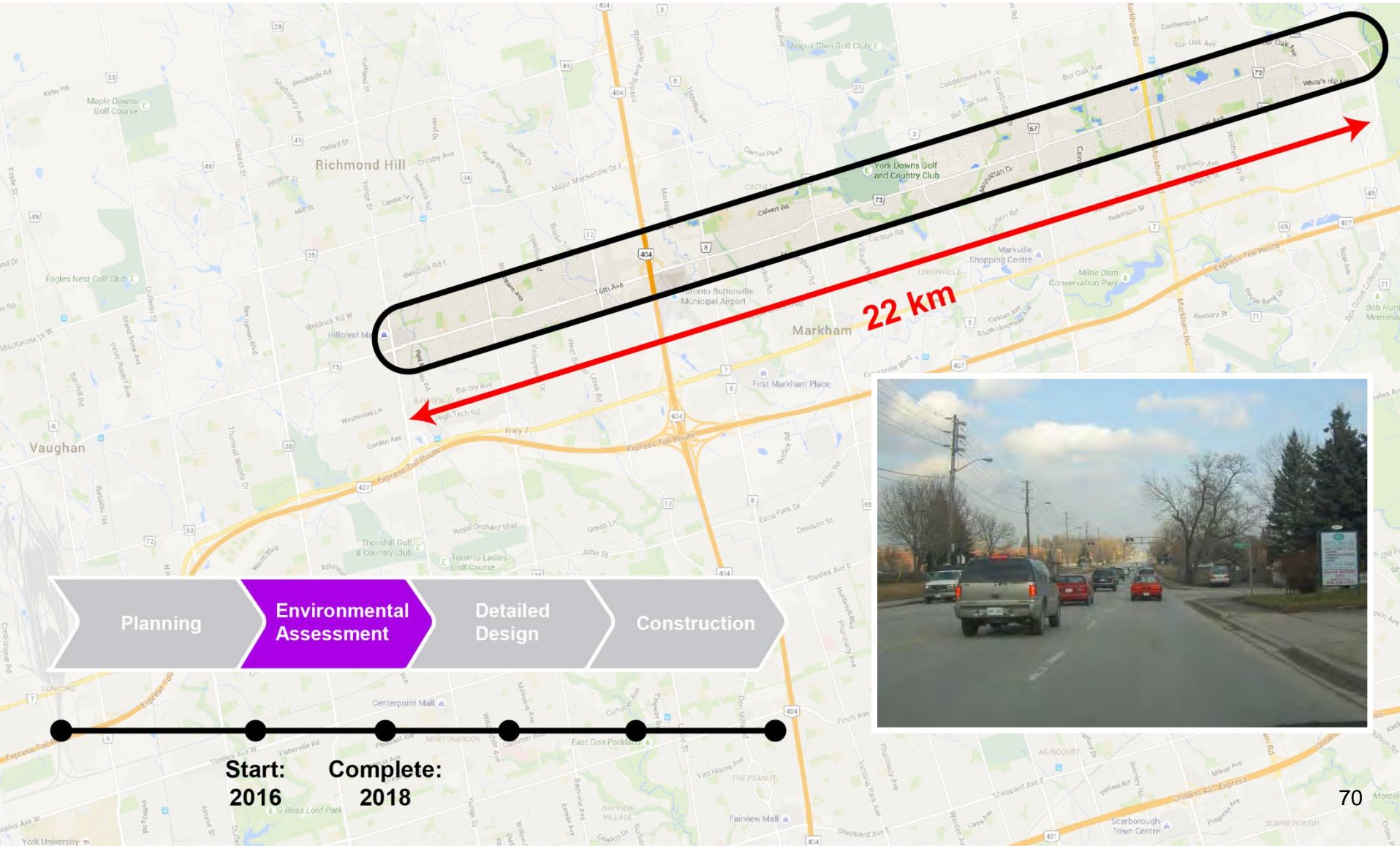


Leslie Street

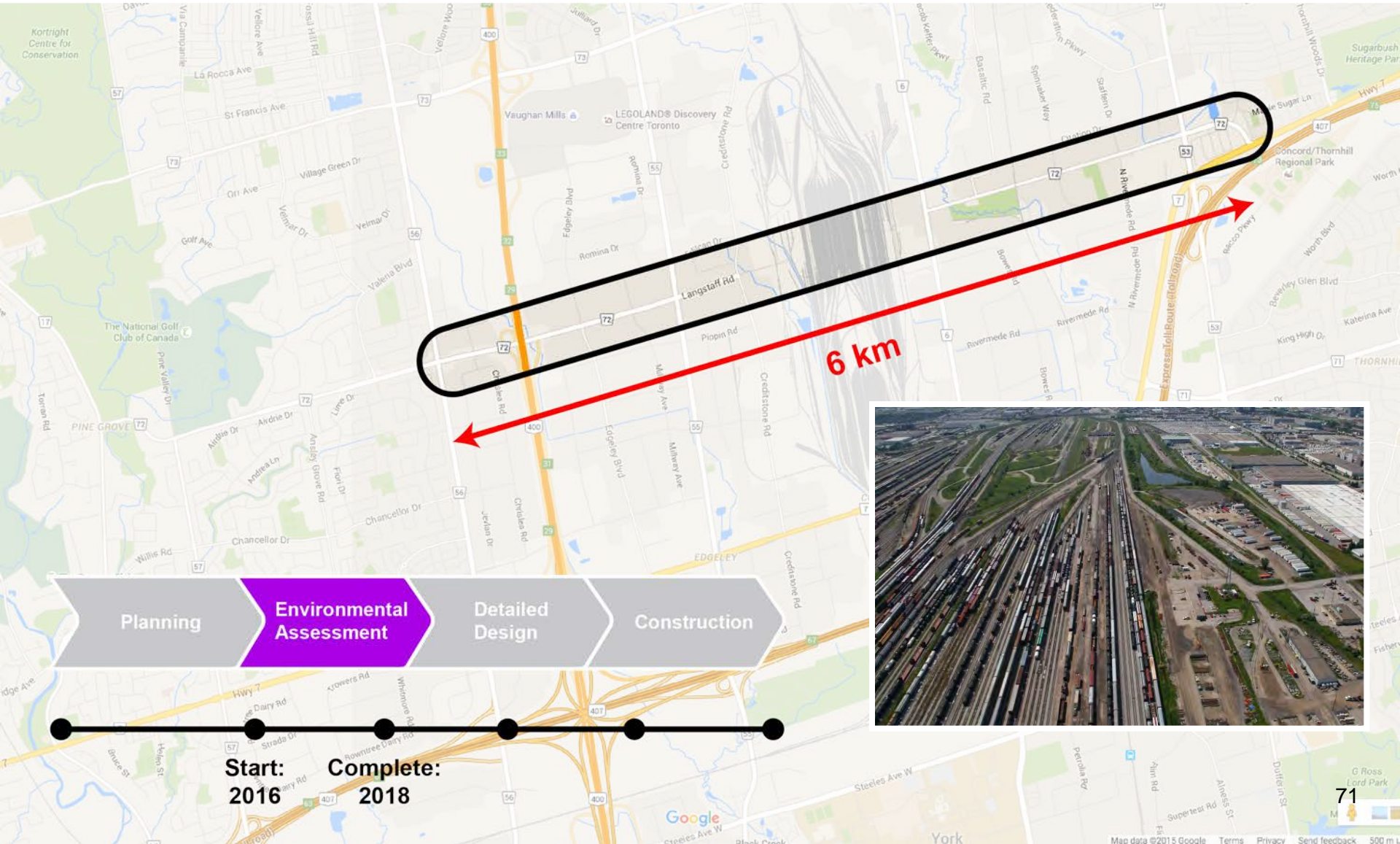
Bethesda Sideroad to Bloomington Road



16th Avenue Yonge Street to Reesor Road



Langstaff Road Weston Road to Highway 7



Teston Road Keele Street to Bathurst Street

