

An aerial photograph of a multi-lane highway bridge under construction. The bridge spans a river or stream. Several cars are driving on the bridge. Below the bridge, there is a large construction site with various pieces of equipment, including a crane and a red excavator. The surrounding area is filled with trees showing autumn foliage in shades of orange, yellow, and green. The sky is not visible.

TRANSPORTATION CAPITAL INFRASTRUCTURE STATUS UPDATE

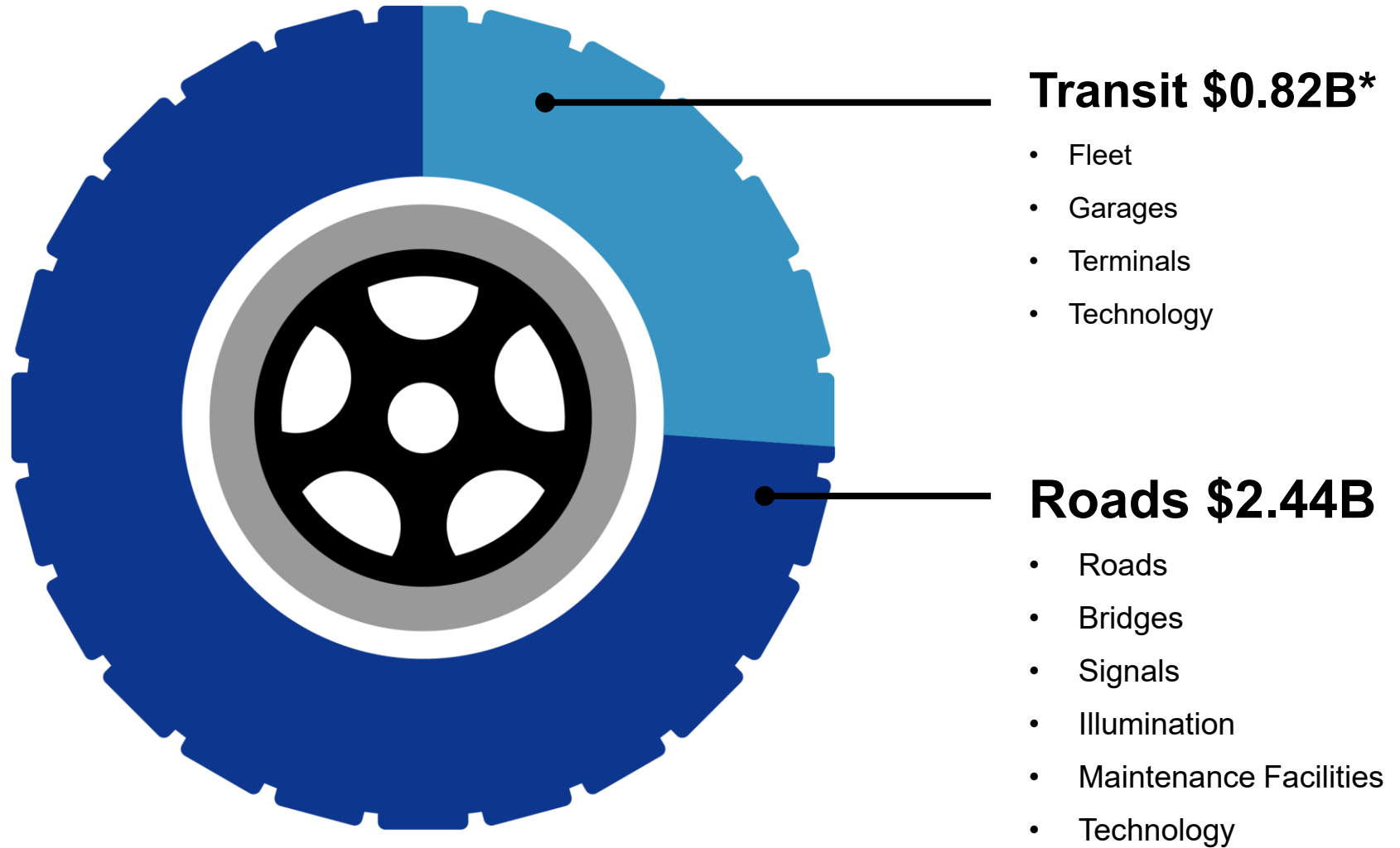
Salim Alibhai, P.Eng., PMP
Director, Capital Planning and Delivery,
Transportation Services
April 8, 2021



PRESENTATION OBJECTIVES:

- Overview
- 2020 Accomplishments
- 2021 New and Continuing Projects
- Pre-Construction Activities

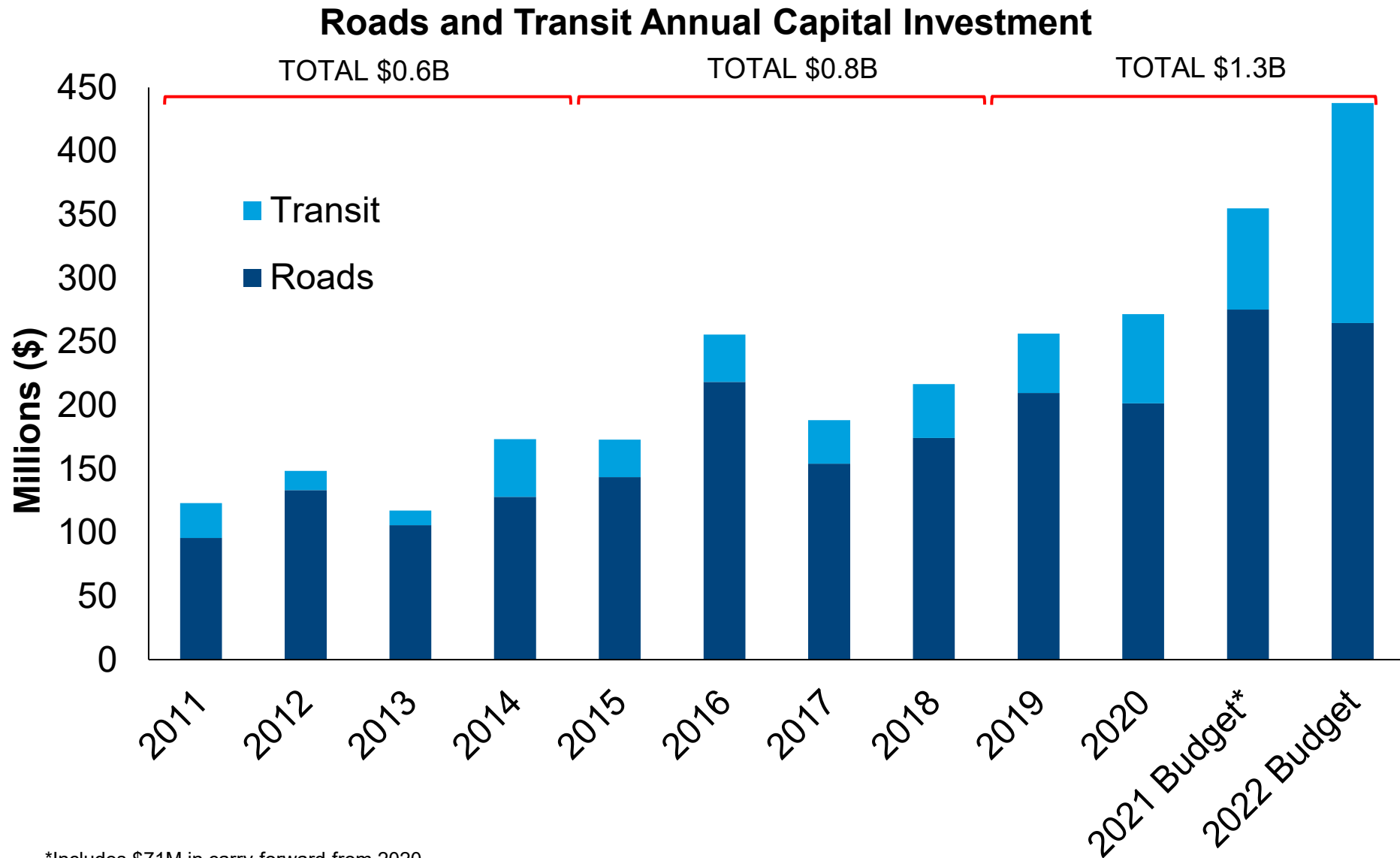
\$3.3B* 2021 10-YEAR TRANSPORTATION CAPITAL BUDGET



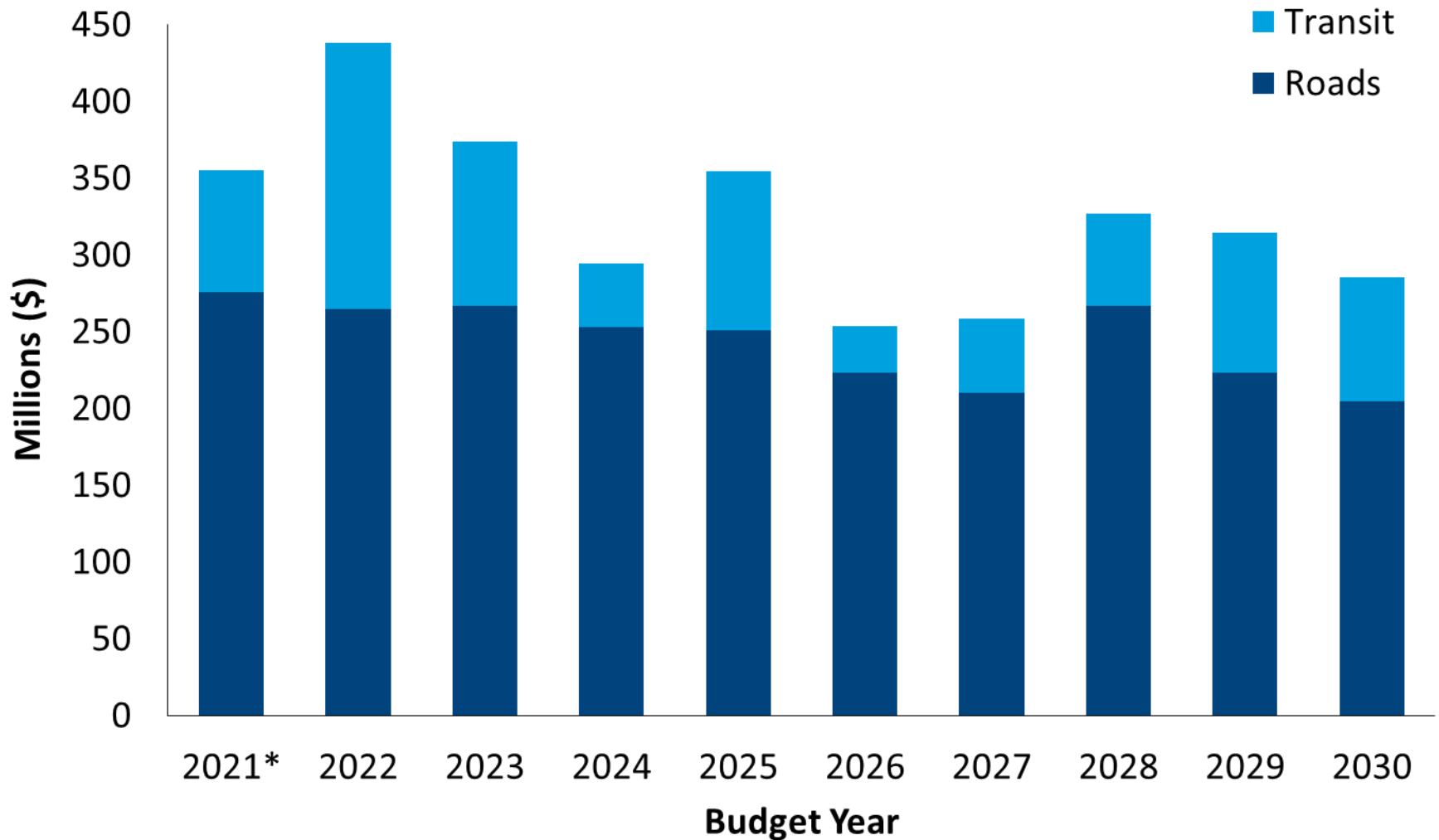
*Excludes Investments in YRRTC program

Significant investments in Growth and Asset Management Programs

RECORD INVESTMENT IN ROADS AND TRANSIT PROGRAMS

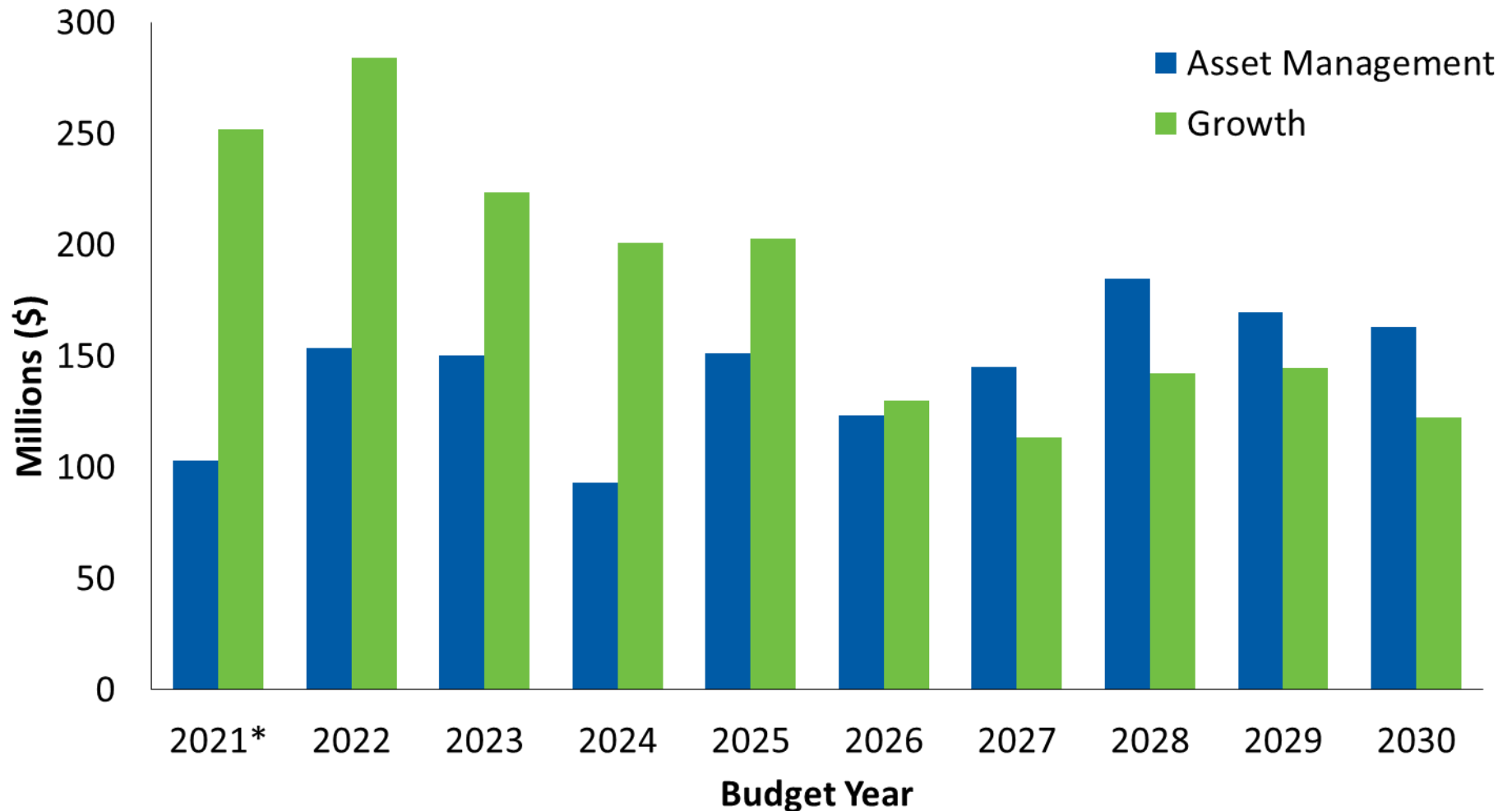


2021-2030 TRANSPORTATION SERVICES CAPITAL BUDGET



*Includes \$71M in carry-forward from 2020

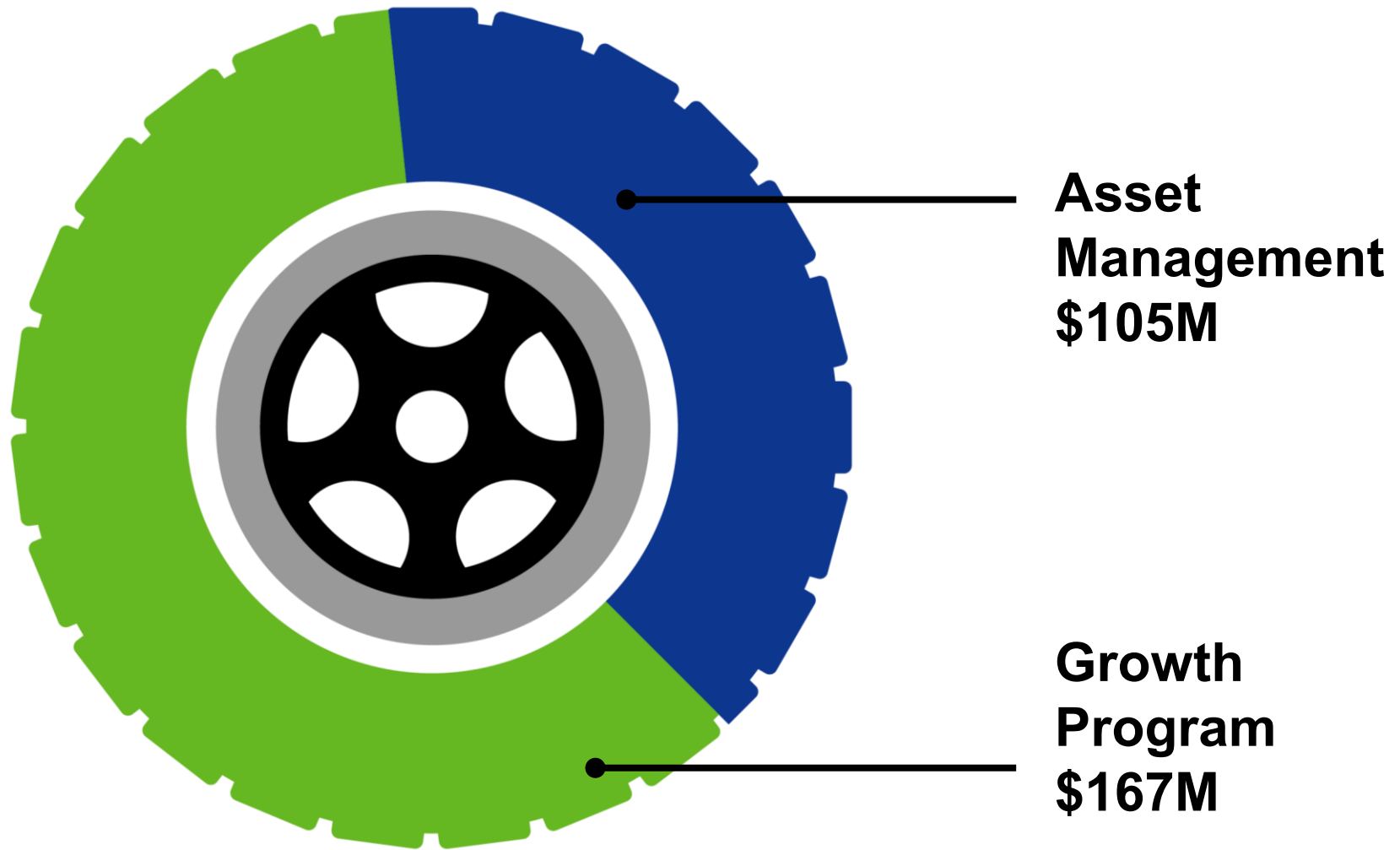
2021-2030 ROADS AND TRANSIT CAPITAL BUDGET



*Includes \$71M in carry-forward from 2020

2020 ACCOMPLISHMENTS

2020 ACCOMPLISHMENTS



\$272M invested in Transportation Growth and Asset Management Programs

LAKE TO LAKE CYCLING ROUTE

Bayview Avenue

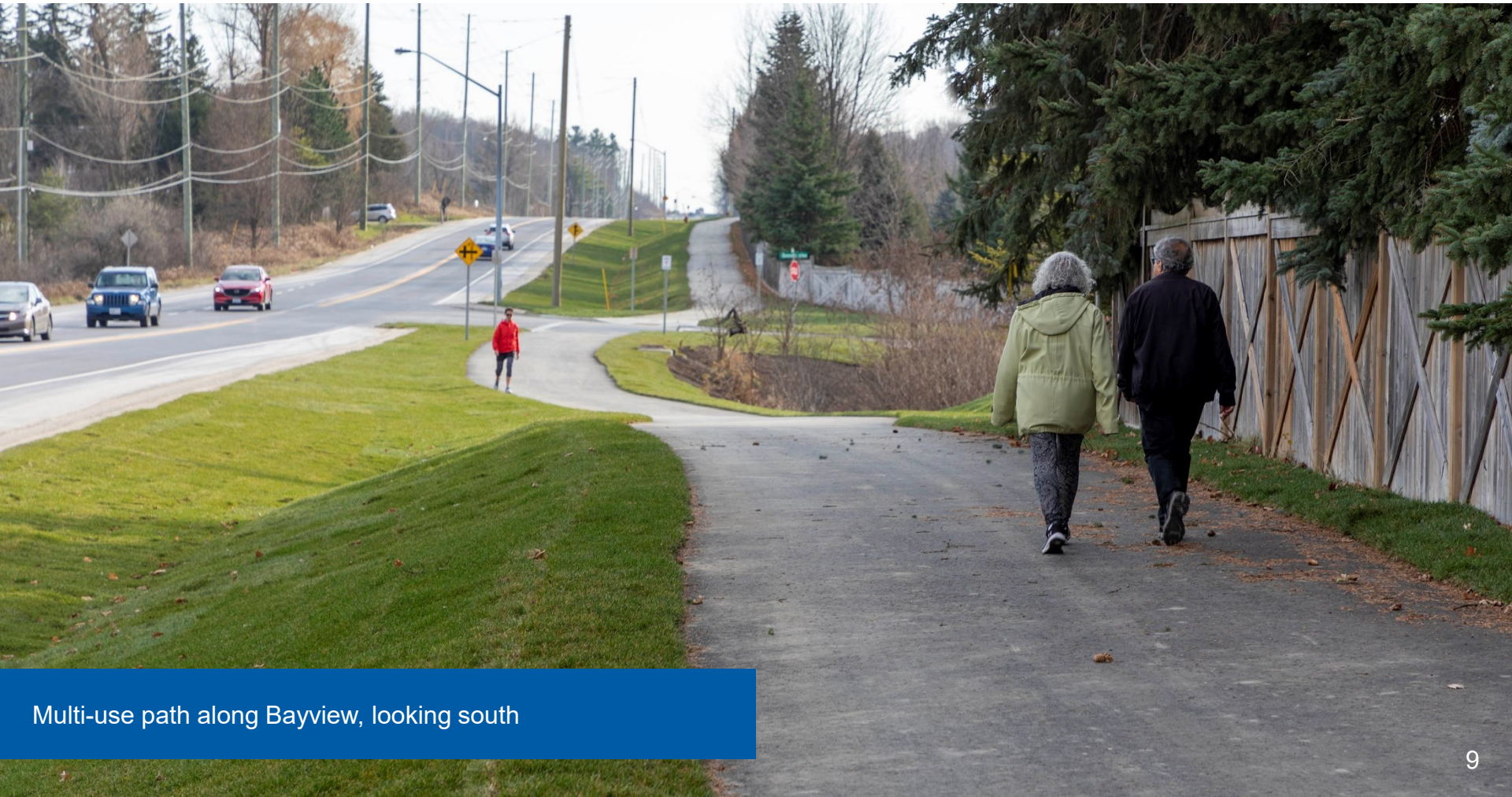
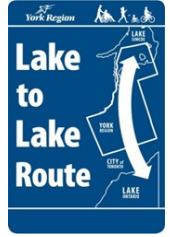
Bloomington Road to Vandorf Sideroad

Multi-use path, intersection improvements and road resurfacing, including guiderail and culvert repairs



Total Cost:
\$1.5M

AURORA



Multi-use path along Bayview, looking south

LESLIE STREET

Don Hillock Drive to Broughton Lane

Road widening from 2 to 4 lanes and urbanization including new illumination, new storm sewer system, new active transportation and pedestrian underpasses



AURORA

Total Cost:
\$35.1M



Leslie Street, looking north toward Desjardins Way



LESLIE STREET

Improvements at 5 locations

Improvements at 3 intersections to install bus bays, shelters, fare equipment and upgrades to traffic signals.

AODA improvements at 2 additional intersections



Total Cost:
\$5.5M



Leslie Street at Beaver Creek Road

MAJOR MACKENZIE DRIVE

Highway 50 to Highway 27

Road widening, from 2 to 6 lanes, and urbanization including new illumination, new active transportation and storm water management facilities



Total Cost:
\$11.9M



Major Mackenzie Drive, looking east toward the Highway 427 Extension



Highway 427 Extension, looking west toward Highway 50

NEWMARKET BUS TERMINAL

Acquisition and Rehabilitation of former
Metrolinx/GO Newmarket Terminal



Total Cost:
\$15.4M



Newmarket Bus Terminal

ROAD REHABILITATION AND RESURFACING

Completed rehabilitation on **125** lane-kilometres and
resurfacing of **88** lane-kilometres



Total Cost:
\$39.2M



Mulock Drive microsurfacing

STRUCTURE REHABILITATION AND REPLACEMENT

Completed rehabilitation of **5** structures



Total Cost:
\$5.3M



East Humber River Bridge, Jane Street

INTERSECTION MODERNIZATION

Completed improvements at **37** locations



Total Cost:
\$2.8M*

STREET LIGHTS

TRAFFIC
CAMERA

*Does not include the cost of 19 intersections improved in conjunction with road rehabilitation projects

PEDESTRIAN
PUSH BUTTON

OPTICOM

TRAFFIC
CONTROL
SIGNALS

MAST ARM
STREET
NAME SIGN

PEDESTRIAN
SIGNAL

POWER
SUPPLY

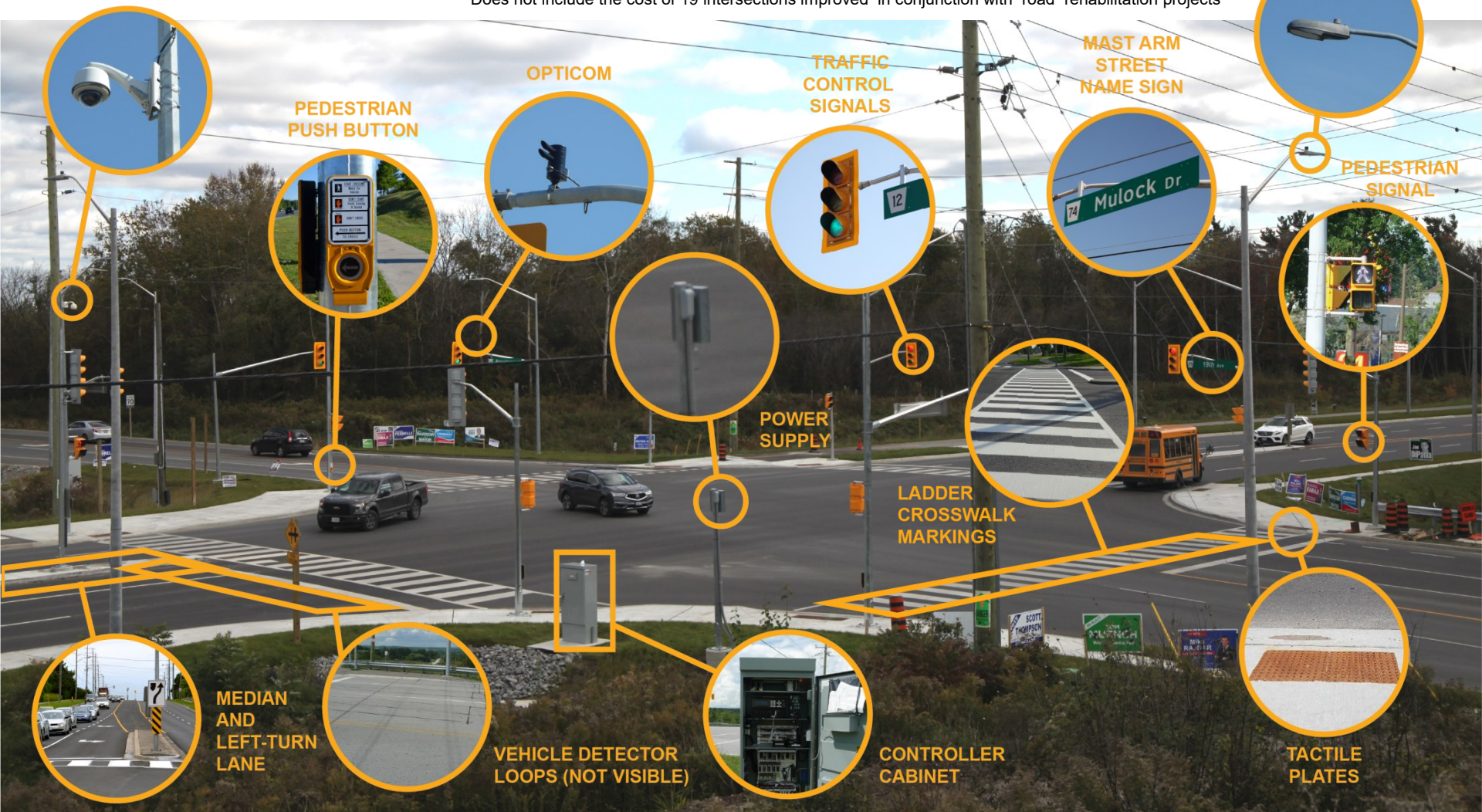
LADDER
CROSSWALK
MARKINGS

MEDIAN
AND
LEFT-TURN
LANE

VEHICLE DETECTOR
LOOPS (NOT VISIBLE)

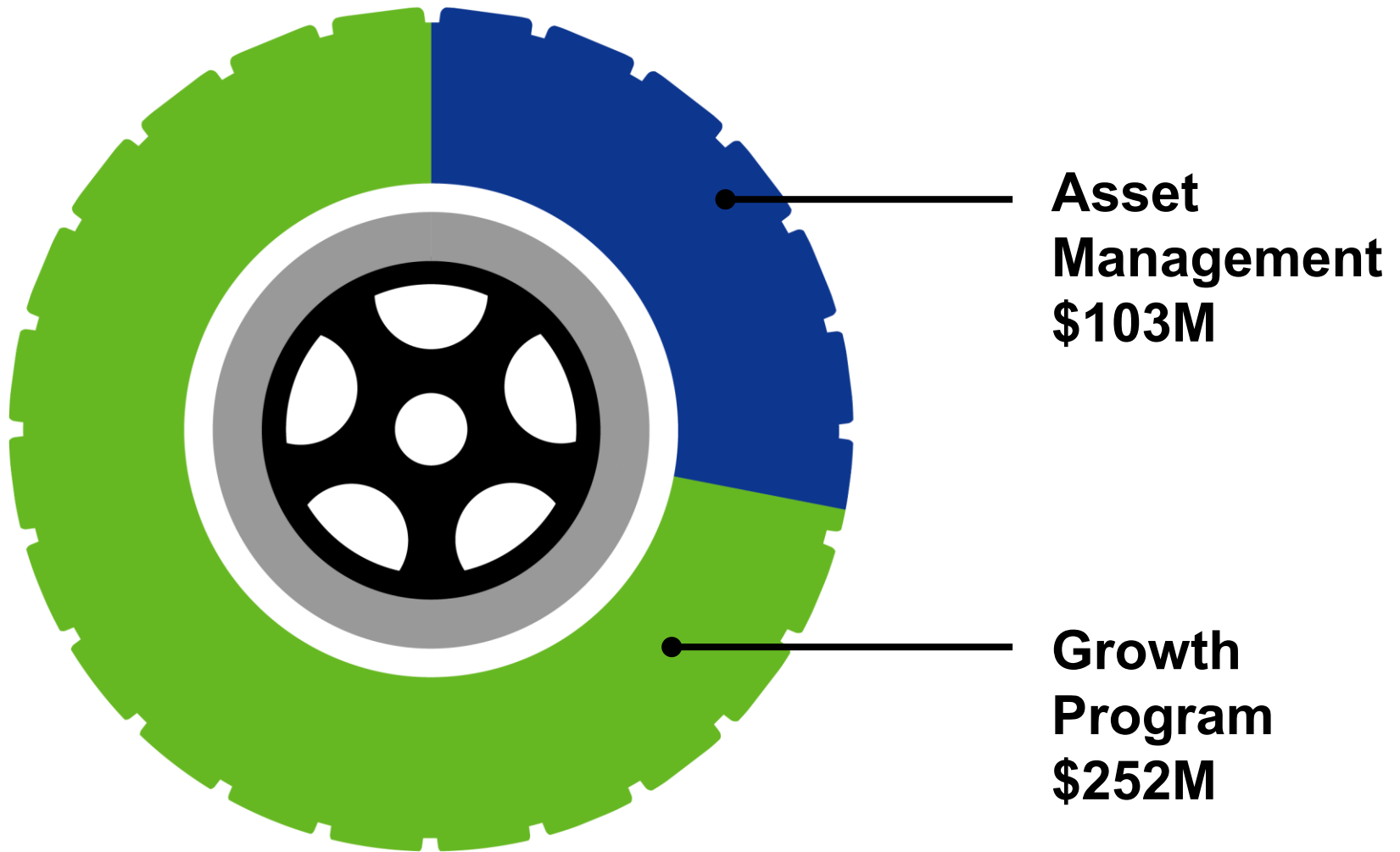
CONTROLLER
CABINET

TACTILE
PLATES



2021 NEW AND CONTINUING PROJECTS

\$355* MILLION TO BE INVESTED IN ROADS AND TRANSIT IN 2021



*Includes \$71M in carry-forward from 2020

CONSTRUCTION:

- 2021 Growth Program

HIGHWAY 27

Canadian Pacific Railway Bridge Replacement
1.6 kilometres north of Langstaff Road



Total Cost:
\$30.9M



Construction:
45% Complete



Completion:
2022



Replacement of existing CPR overpass with
two new single span structures that will
accommodate the future road widening



Detour bridge under construction, Highway 27



Detour bridge under construction, Highway 27

KEELE STREET

Steeles Avenue to Snidercroft Road /
Great Gulf Drive (South of Highway 407)



Total Cost:
\$44.4M



Construction:
0% Complete



Completion:
2023



Reconstructing and widening to 6 lanes
including a new, wider structure replacement over CN Rail, streetscaped
median, cycling facilities, sidewalk, illumination and watermain replacement



Keele Street over the CN Rail tracks

LESLIE STREET

Elgin Mills Road to 19th Avenue

Reconstruction and widening from 2 lane rural road to 4 lane urban road, including geometric improvements, multi-use path, sidewalk and illumination



Total Cost:
\$23.2M



Construction:
80% complete



Completion:
2021

Richmond Hill



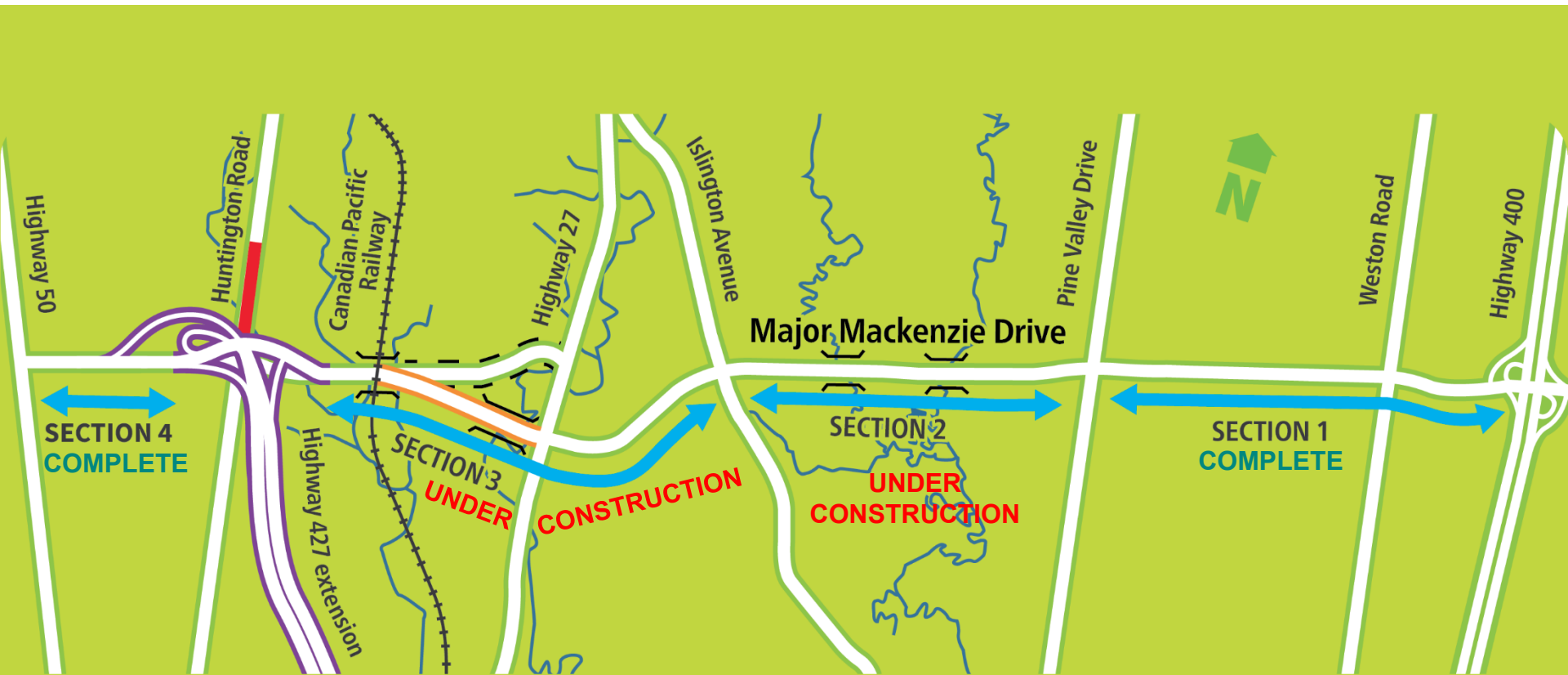
Leslie Street, north of Elgin Mills Road

AWARD: LESLIE STREET LOW IMPACT DEVELOPMENT (LID)




Low Impact Development (LID) on Leslie Street

MAJOR MACKENZIE DRIVE




 Future Highway 427 extension
(Ontario Ministry of Transportation project)

 New alignment

 Permanent road closure

 New bridge structures

 Old road alignment

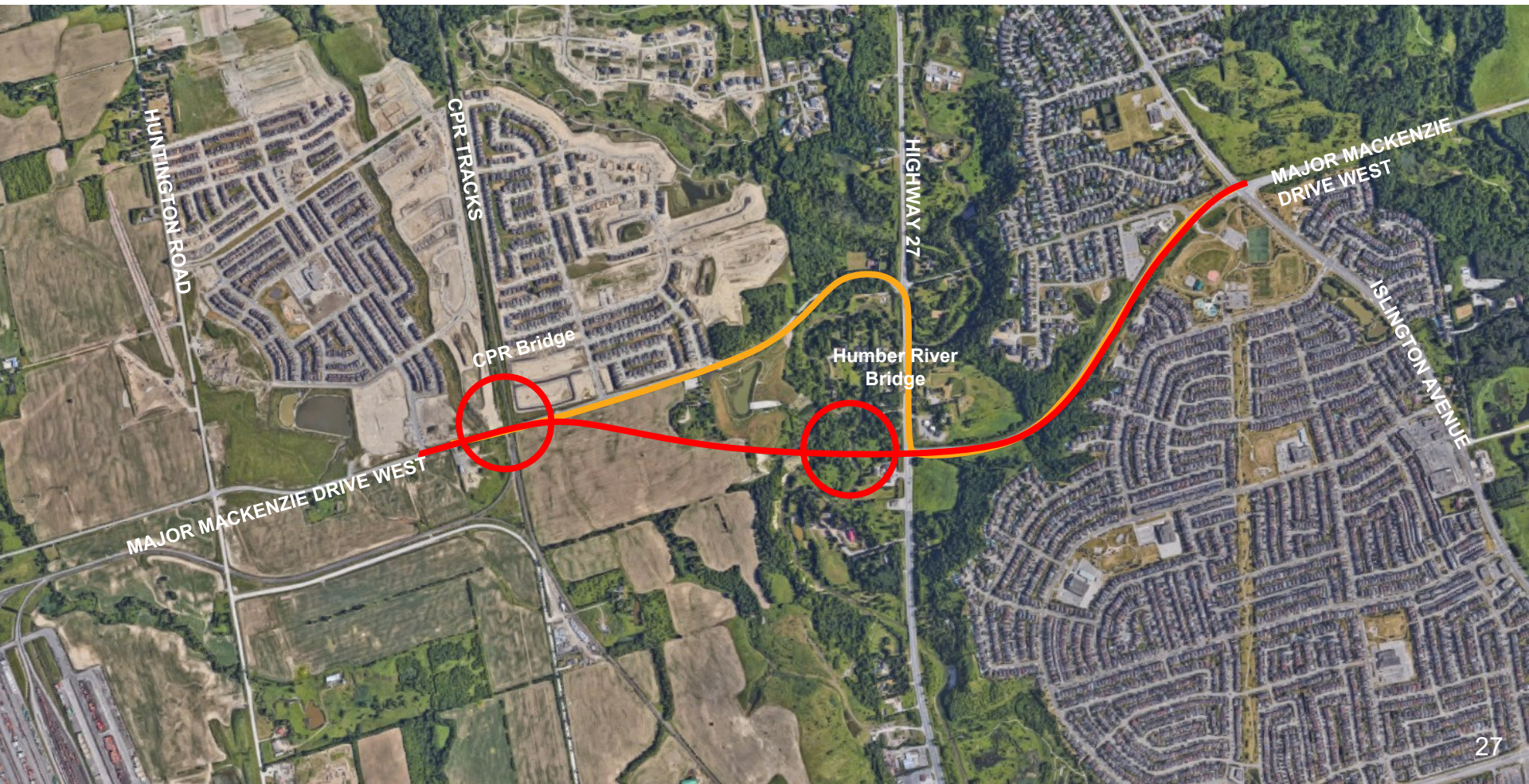
MAJOR MACKENZIE DRIVE

CPR Tracks to Islington Avenue

Widening from 2 to 6 lanes,
including eliminating the jog at Highway 27 and
building bridges over the Canadian Pacific Railway tracks and the Humber River



Total Cost: \$110.0M Construction: 95% Complete Completion: 2021



Major Mackenzie Drive, between Islington and Highway 27



New alignment of Major Mackenzie Drive at Highway 27



New CP Rail Grade Separation on Major Mackenzie Drive



MAJOR MACKENZIE DRIVE

Islington Avenue to Pine Valley Drive

Widening from 2 to 6 lanes, including bridges over East Humber River and Purpleville Creek



Total Cost:
\$53.3M



Construction:
60% complete



Completion:
2021



East Humber River Bridge, Major Mackenzie Drive

MAJOR MACKENZIE DRIVE

Highway 400 to Jane Street



Future YRT Terminal



Total Cost:
\$40.2M



Construction:
5% Complete



Completion:
2022



Major Mackenzie Drive, looking west from Jane Street

MAJOR MACKENZIE DRIVE WEST TERMINAL

Opposite Cortellucci Vaughan Hospital



Total Cost:
\$16.0M



Construction:
5% Complete

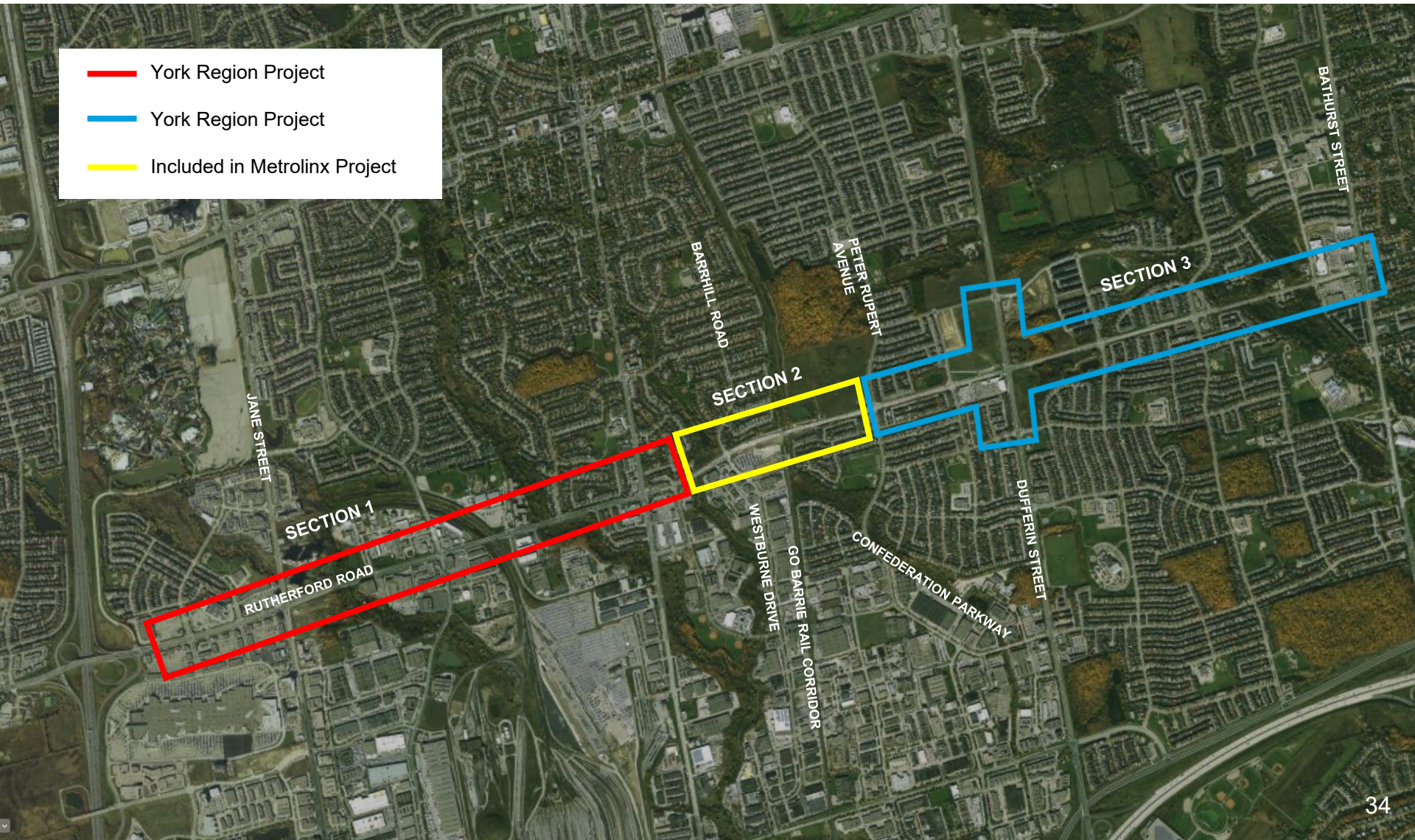


Completion:
2022



RUTHERFORD ROAD

Highway 400 to Bathurst Street



RUTHERFORD ROAD (SECTION 1)

Highway 400 to Westburne Drive

Road rehabilitation, reconstruction and widening from 4 to 6 lanes, including boulevard cycling facilities, upgraded traffic signals, pavement markings, street lighting and enhanced streetscaping



Total Cost:
\$59.7M



Construction:
Tendering



Completion:
2023



Rutherford Road, east of Jane Street (over CN Rail tracks)

RUTHERFORD ROAD (SECTION 2)

Westburne Drive to Peter Rupert Avenue

Widening and Grade Separation

(Delivered by Metrolinx)



Total Cost:
\$18.3M*

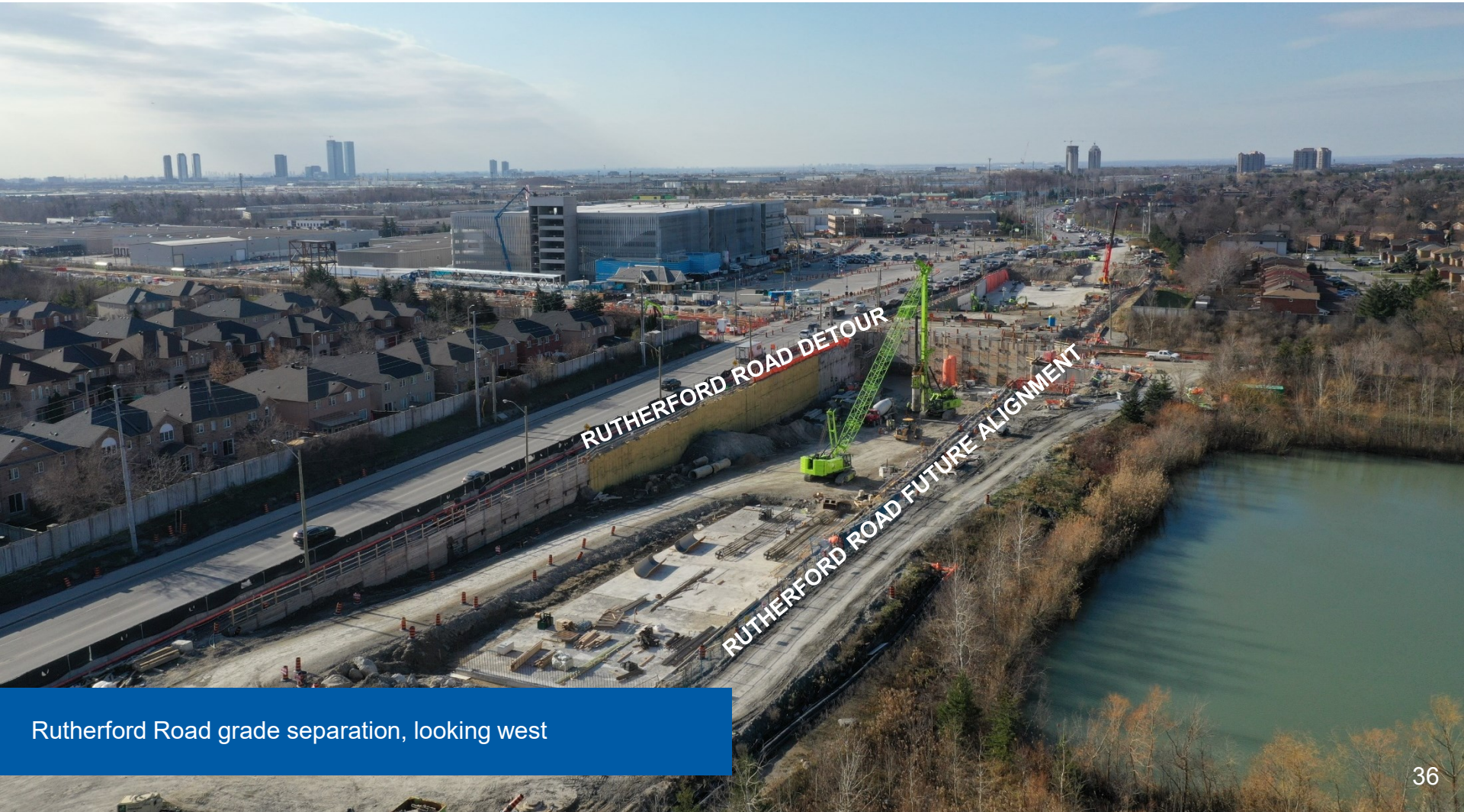
*Region's portion



Construction:
70% Complete



Completion:
2022



Rutherford Road grade separation, looking west

NORTH OPERATIONS, MAINTENANCE AND STORAGE FACILITY

Expansion and Renovation
18106 and 18110 Yonge Street



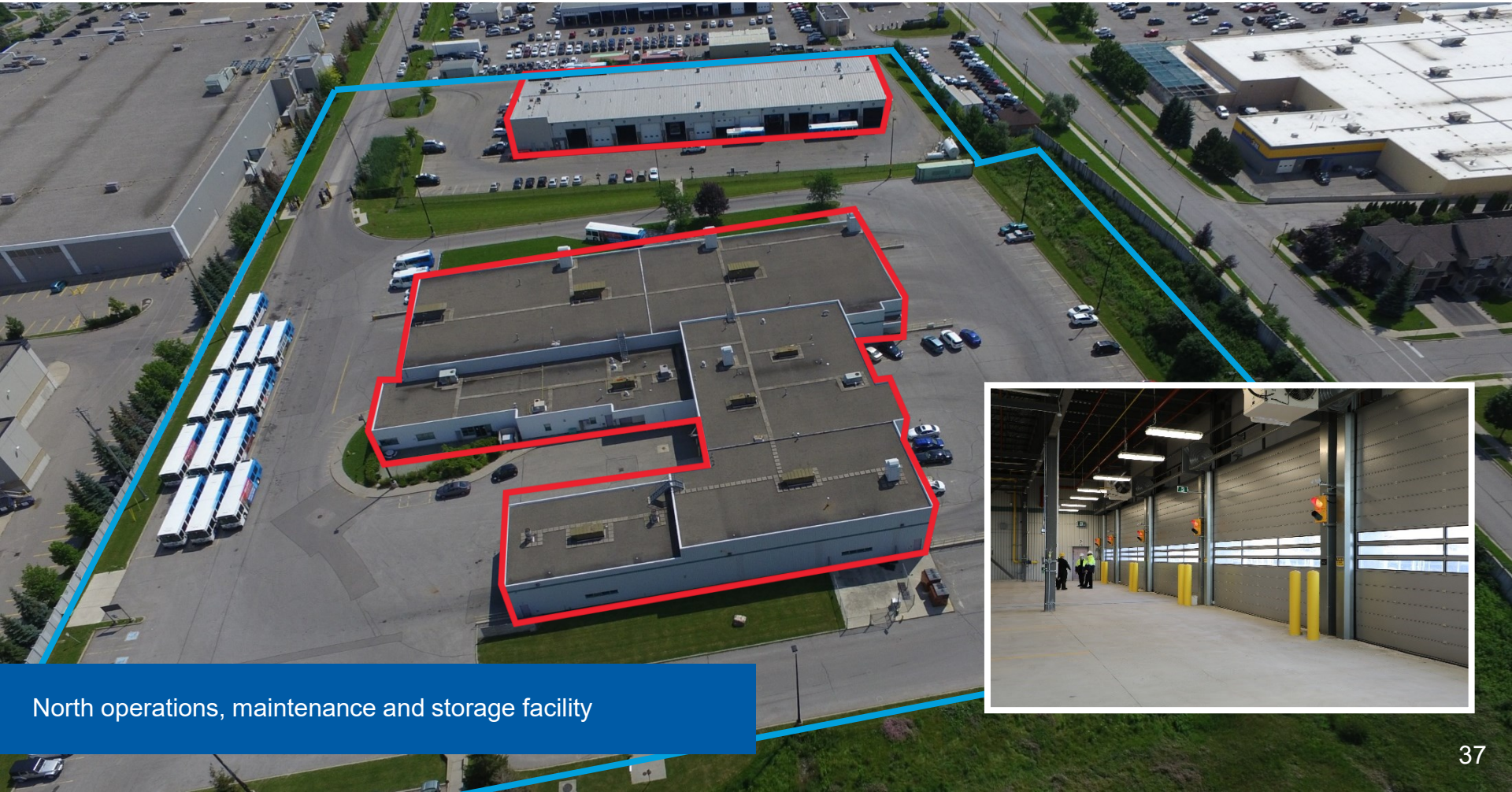
Total Cost:
\$24.0M



Construction:
75% Complete



Construction:
2021



North operations, maintenance and storage facility

TRANSIT TERMINAL, SHELTERS, CONCRETE PLATFORMS AND BUS STOPS

Install **139** concrete pads, **56** conventional shelters, **12** solar powered variable message signs and state of good repair projects at YRT transit terminals



Total Cost:
\$3.7M



Status:
On-going



YRT bus shelter at Lebovic Campus Drive

FLEET PROCUREMENT AND ASSET LIFE EXTENSION

Purchase **6** conventional electric buses
Complete major structural refurbishment and mechanical
overhaul of **46** conventional buses under the renewal program



Total Cost:
\$15.6M



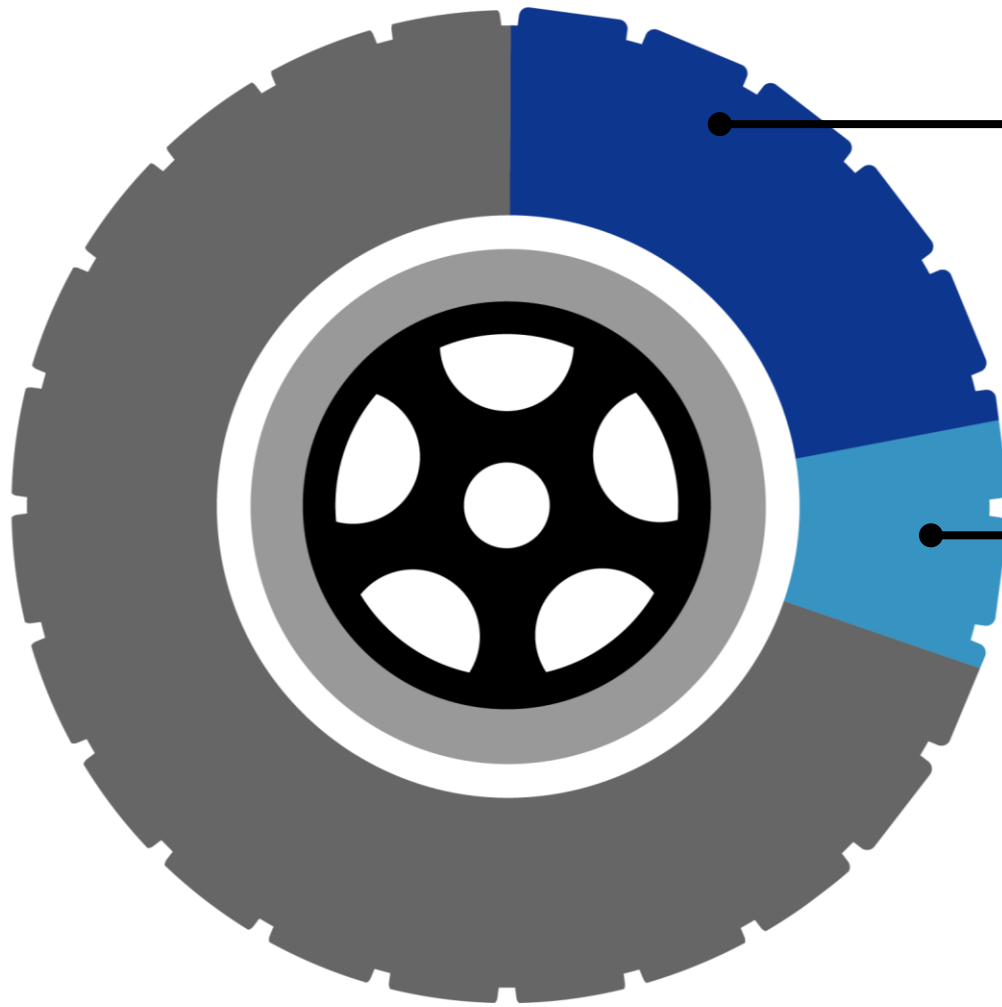
Status:
On-going



CONSTRUCTION:

- 2021 Asset Management Program

\$103 MILLION INVESTMENT IN ASSET MANAGEMENT IN 2021



Roads \$76.5M

- Road Rehabilitation and Preservation
- Structure Rehabilitation / Replacement
- Intersection Modernization

Transit \$26.4M

- Fleet Mid-Life Overhaul
- Fleet Retirement and Replacement
- Bus Shelter, Platform and Sign Replacement
- Facility Rehabilitation

ROAD REHABILITATION AND RESURFACING

Rehabilitation on **160** lane-kilometres and resurfacing of **80** lane-kilometres



Total Cost:
\$47.4M



Phase:
Underway



Road rehabilitation on Warden Avenue

STRUCTURE REHABILITATION

Rehabilitate **8** structures



Total Cost:
\$13.2M



Phase:
Underway



King Horn Bridge, King Road

INTERSECTION MODERNIZATION

Improve **50** Intersections

*Includes the cost of 31 intersections to be improved in conjunction with road rehabilitation projects



Total Cost:
\$5.3M*



Phase:
Underway



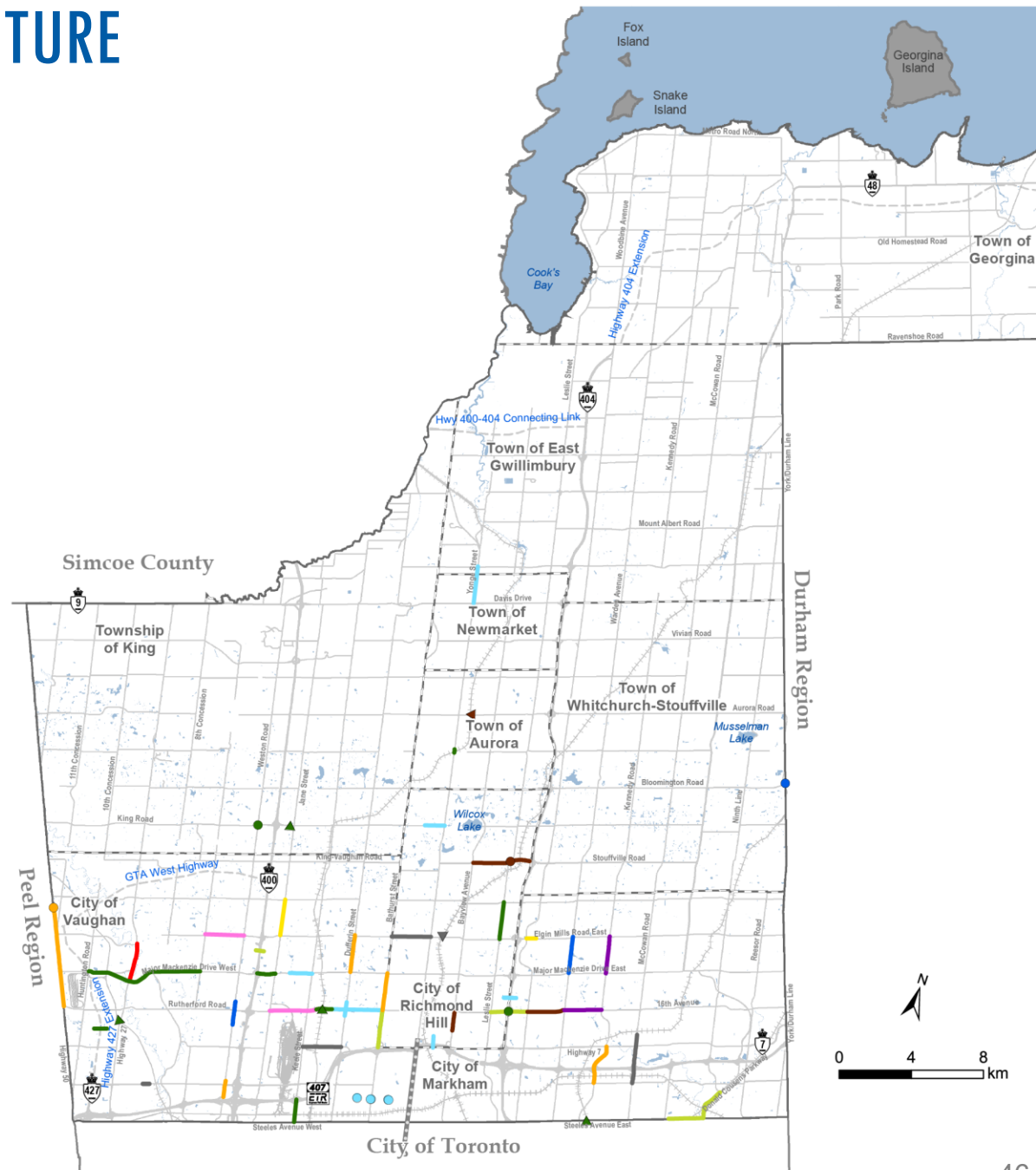
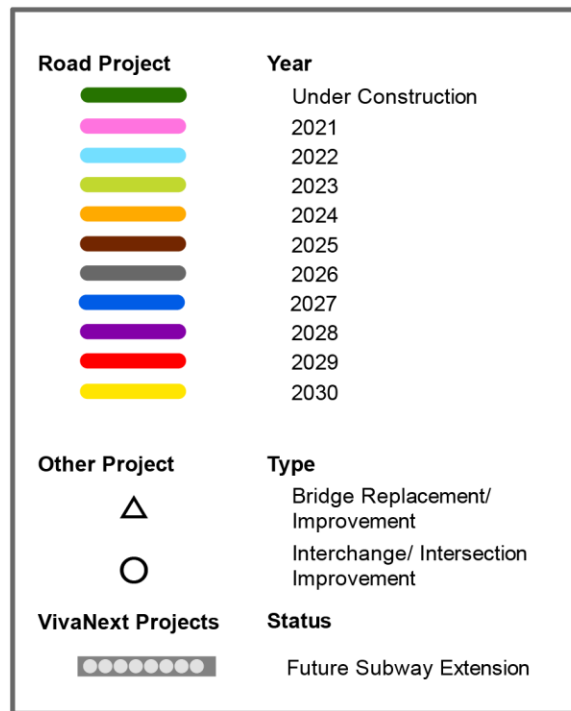
Leslie Street and Summerdale Drive

PRE-CONSTRUCTION:

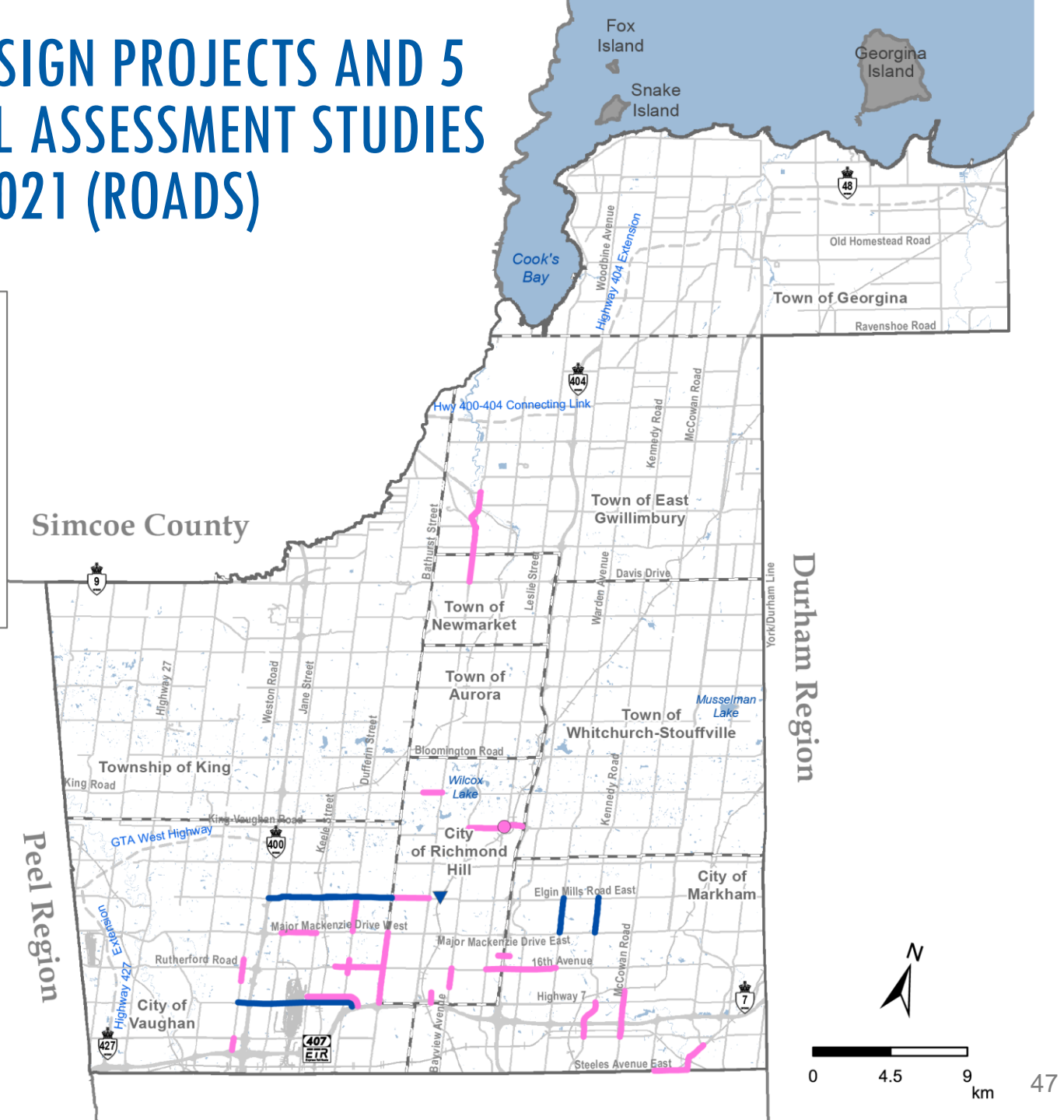
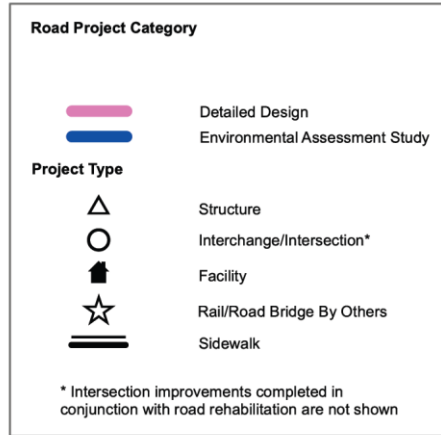
- 2021-2030 Growth Program

PLANNING FOR THE FUTURE

2021 10-Year Roads Capital Construction Program



21 DETAILED DESIGN PROJECTS AND 5 ENVIRONMENTAL ASSESSMENT STUDIES UNDERWAY IN 2021 (ROADS)

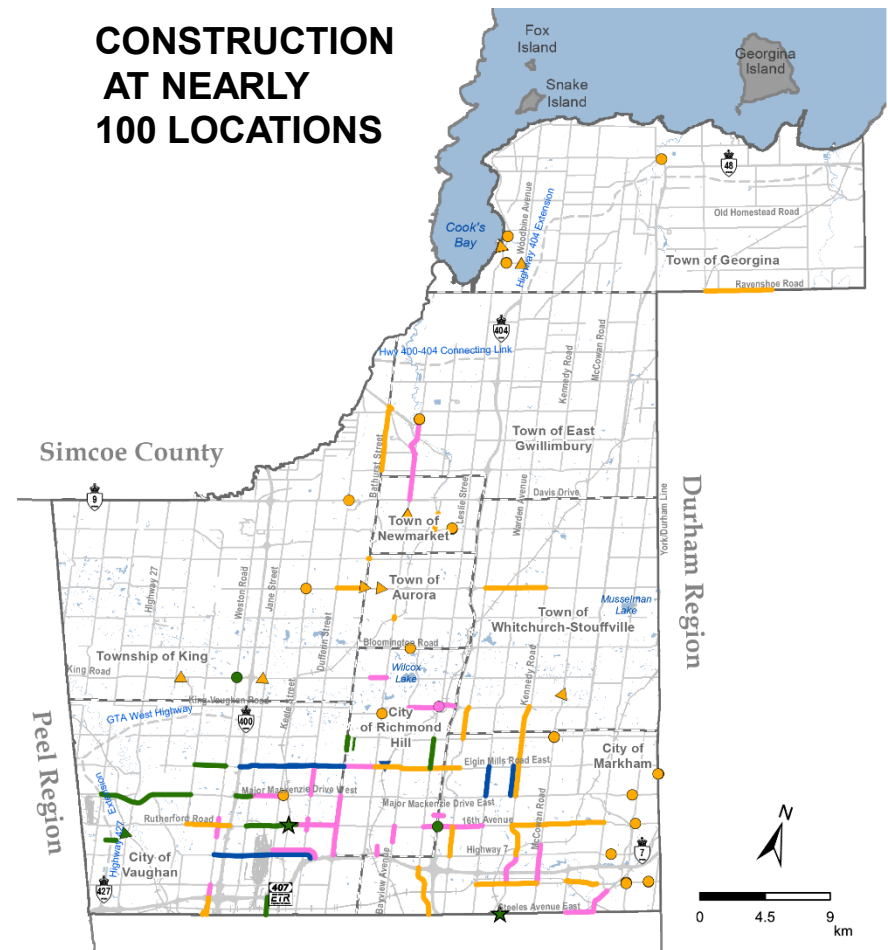


KEY MESSAGES

1. Record investment in Transportation Services during this term of Council
2. Council-approved Capital Program that balances growth and asset management needs
3. Coordinating delivery of infrastructure through partnerships with the Province, local municipalities and agencies
4. Actively preparing projects for future construction
5. Building a network to service the needs of York Region's 1.2 million residents and businesses

2021 ROADS PROGRAM MAP

**CONSTRUCTION
AT NEARLY
100 LOCATIONS**



QUESTIONS/DISCUSSION

For more information

Salim Alibhai, P.Eng., PMP

Director, Capital Planning and Delivery

1-877-464-9675 ext. 75229

Salim.Alibhai@york.ca

