

TRANSPORTATION CAPITAL INFRASTRUCTURE PROGRAM

Presented to

CITY OF MARKHAM

Presented by

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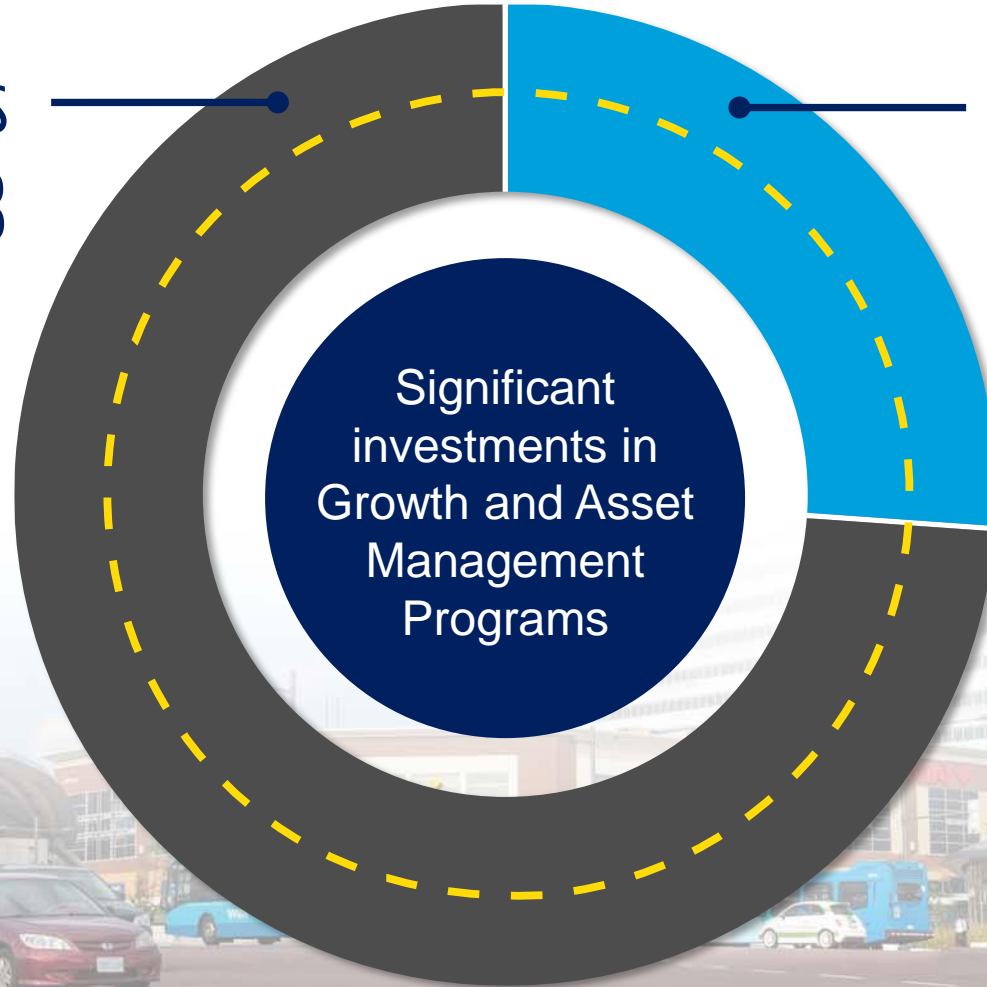
PRESENTATION OBJECTIVES:

- Program Overview and Accomplishments
- 2022 New and Continuing Projects
- Future Projects

\$3.5B 2022 10-YEAR TRANSPORTATION CAPITAL BUDGET

- Roads
- Bridges
- Intersections
- Maintenance Facilities
- Technology

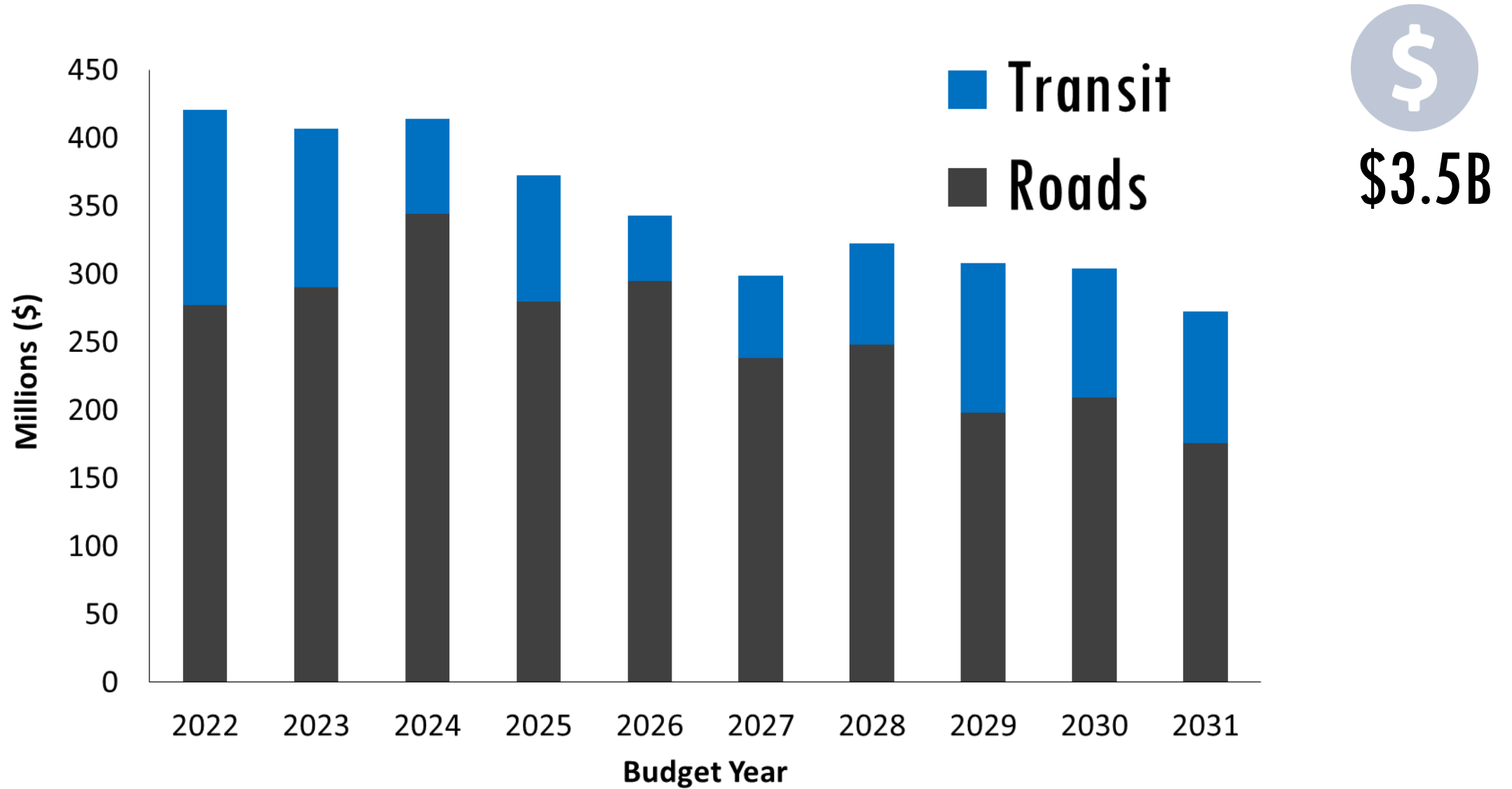
ROADS
\$2.55B



TRANSIT
\$0.91B

- Fleet
- Garages
- Terminals
- Technology

2022-2031 TRANSPORTATION CAPITAL BUDGET



ACCOMPLISHMENTS

2021 ROAD REHABILITATION AND PRESERVATION

Rehabilitated **94** lane-kilometres and resurfaced **51** lane-kilometres



Paving on 16th Avenue

Road rehabilitation at seven locations:

- 14th Avenue, Warden Avenue to McCowan Road
- 14th Avenue, Markham Road to Ninth Line
- 16th Avenue, Kennedy Road to Main Street
- Don Mills/Leslie Street, Steeles Avenue to Highway 407
- Elgin Mills Road, Highway 404 to Victoria Square
- Kennedy Road, Highway 7 to 16th Avenue
- Markham Road, at Denison Street

Road preservation at four locations:

- 16th Avenue, Main Street to Donald Cousens Parkway
- Kennedy Road, Elgin Mills Road to Stouffville Road
- Woodbine Avenue, 19th Avenue to Stouffville Road
- Woodbine Avenue, Highway 7 to 16th Avenue

INTERSECTION MODERNIZATION

Improved **24** intersections



Leslie Street and Summerdale Drive

Intersection improvements at 24 locations:

- 14th Avenue and Reesor Road
- 14th Avenue, west of 11th Concession
- 16th Avenue, east of Little Rouge Creek bridge
- Major Mackenzie Drive, west of Reesor Road
- McCowan Road and 19th Avenue
- York Durham Line and Concession Road 8
- 14th Avenue at six locations
(Crown Steel Drive / Gough Road, Birchmount Road, McDowell Gate, Beckenridge Drive / Brimley Road, Chatelaine Drive / Havelock Gate, Roxbury Street / Boxwood Crescent)
- 16th Avenue at five locations
(William Berczy Boulevard / Longwater Chase, The Bridle Walk / Shorthill Drive, Stonebridge Drive / Saratoga Road, Roy Rainey Avenue / Cairns Drive, Mingay Avenue / Stone Mason Drive)
- Don Mills Road at Simonston Boulevard North
- Elgin Mills Road at two locations
(Woodbine Avenue, Duke of York Street/ Prince Regent Street)
- Kennedy Road at four locations
(Austin Drive, Carlton Road, The Bridle Trail, Birchview Lane)

2022 NEW AND CONTINUING PROJECTS

2022 TRANSPORTATION CAPITAL CONSTRUCTION PROGRAM



2022 Growth Projects

1. Road Improvements
Red Cedar/Cedar Avenue, extension from Langstaff Road to High Tech Road
2. Road Improvements
16th Avenue, Highway 404 interchange (delivered by MTO)

2022 Asset Management Projects

3. Culvert Rehabilitation
Woodbine Avenue, South of Denison Street
4. Road Rehabilitation
Woodbine Avenue, Denison Street to Highway 407
5. Intersection Improvement
Highway 7 and east of Montgomery Court
6. Road Rehabilitation
Major Mackenzie Drive, Warden Avenue to McCowan Road
7. Culvert Rehabilitation
McCowan Road, North of 16th Avenue
8. Intersection Improvement
Highway 7 and Main Street
9. Road Rehabilitation
Ninth Line, Highway 407 to 16th Avenue

RED CEDAR/CEDAR AVENUE

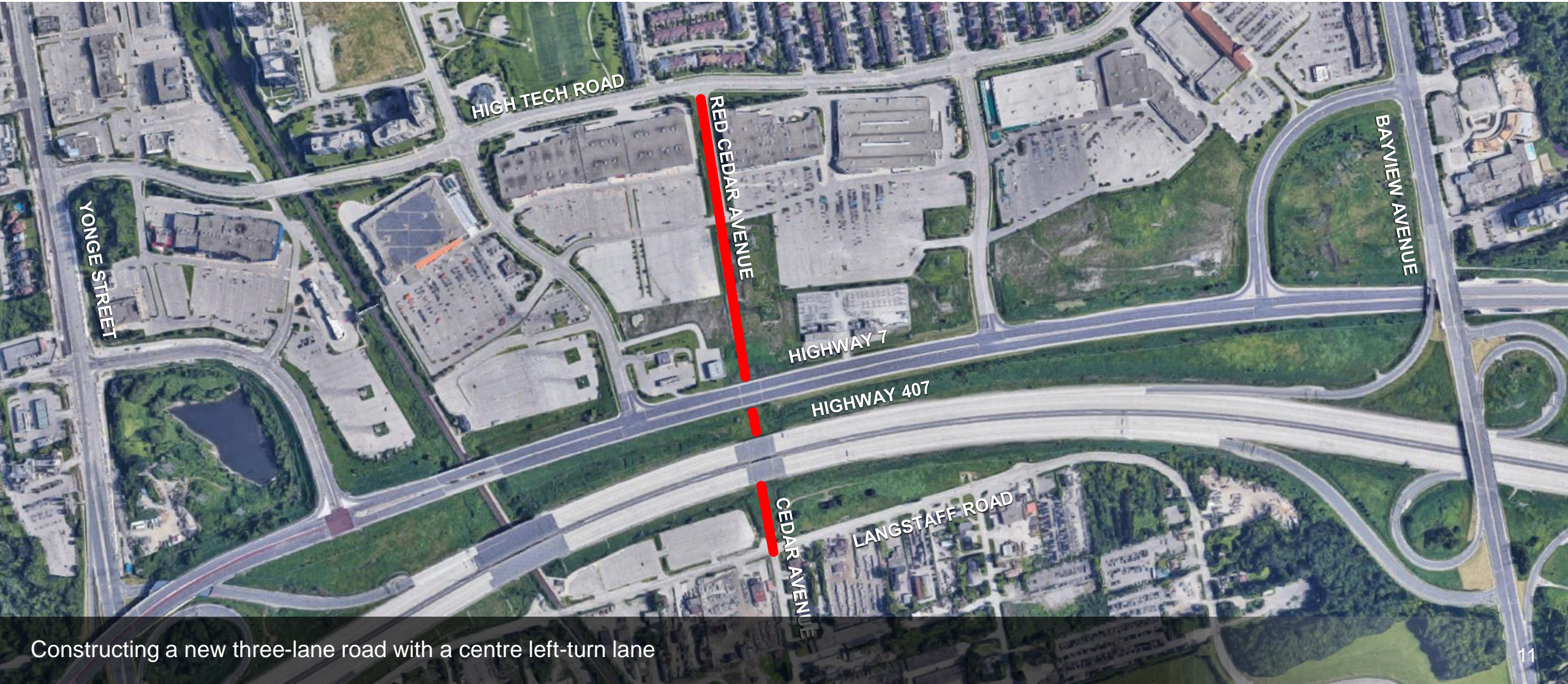


\$8.2M



TENDER
TBD

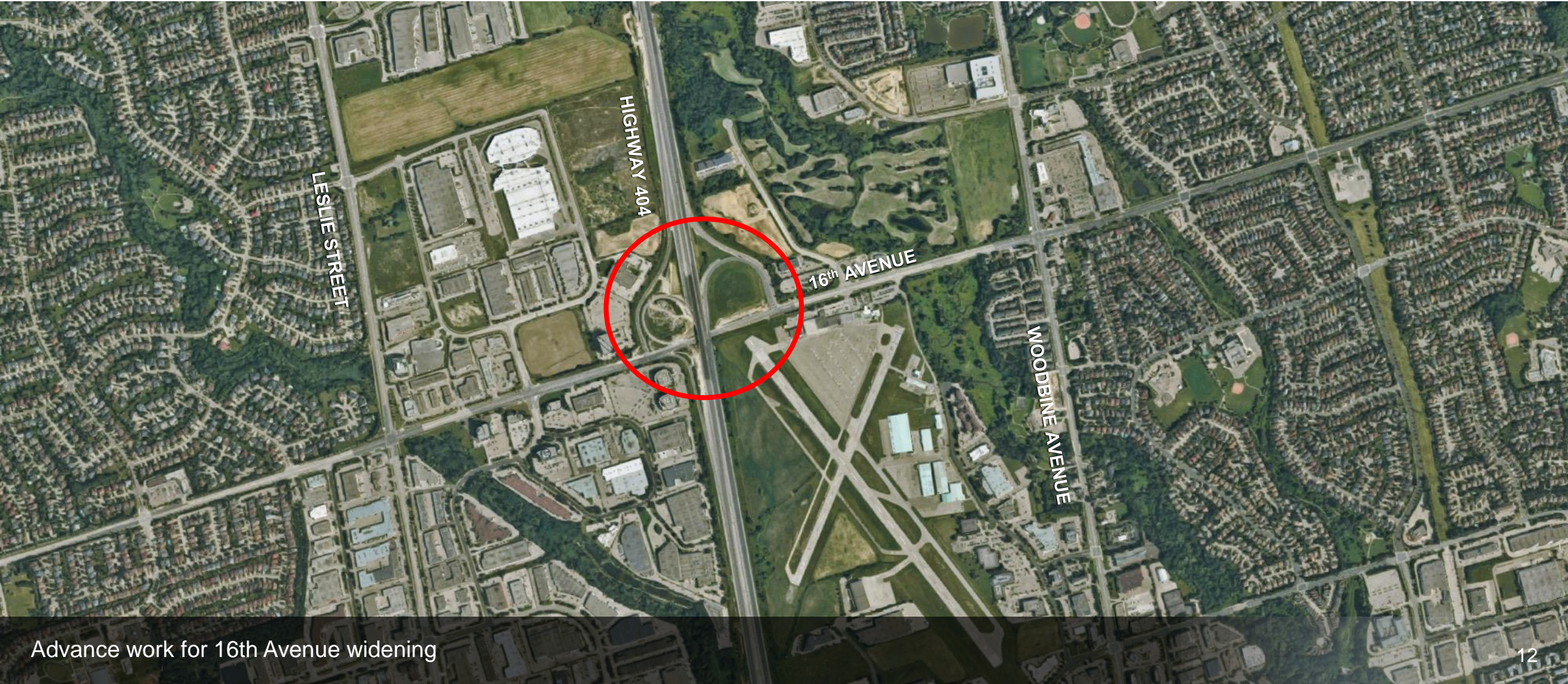
Langstaff Road to High Tech Road



Constructing a new three-lane road with a centre left-turn lane

HIGHWAY 404 / 16TH AVENUE

Interchange and bridge construction by MTO



Advance work for 16th Avenue widening



New Highway 404 bridge over 16th Avenue



Future westbound lanes of widened 16th Avenue

ROAD REHABILITATION

Rehabilitate **57** lane-kilometres



Road rehabilitation at three locations:

- Major Mackenzie Drive, Warden Avenue to McCowan Road
- Ninth Line, Highway 407 to 16th Avenue
- Woodbine Avenue, Denison Street to Highway 407

Paving on Warden Avenue, City of Markham

STRUCTURE REHABILITATION

Rehabilitate 2 structures



Woodbine Avenue culvert – sagged section

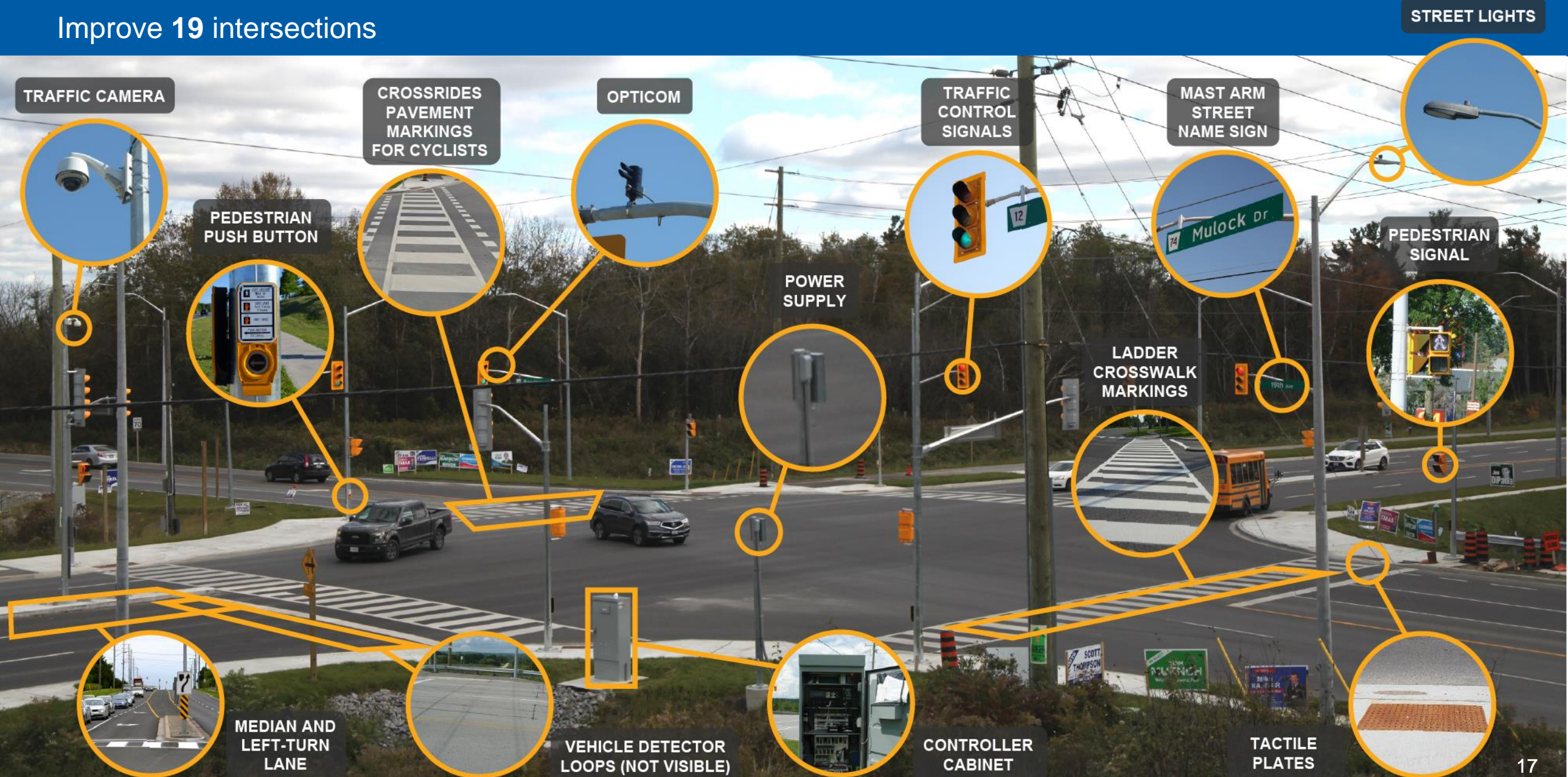
Culvert rehabilitation at two locations:

- McCowan Road, north of 16th Avenue
- Woodbine Avenue, south of Denison Street



INTERSECTION MODERNIZATION

Improve 19 intersections



INTERSECTION MODERNIZATION

Improve **19** intersections



Ninth Line and Tiers Gate

Intersection improvements at 19 locations:

- Highway 7 and east of Montgomery Court
- Highway 7 and Main Street
- Major Mackenzie Drive and Angus Glen Arena
- Major Mackenzie Drive and Angus Glen Boulevard
- Major Mackenzie Drive and Kennedy Road
- Major Mackenzie Drive and William Berczy Boulevard
- Major Mackenzie Drive and Ridgecrest Road
- Major Mackenzie Drive and McCowan Road
- Ninth Line and Delmark Boulevard/Kenilworth Gate
- Ninth Line and Highway 7
- Ninth Line and Rose Way
- Ninth Line and Church Street
- Ninth Line and Cornell Park Avenue
- Ninth Line and 16th Avenue
- Woodbine Avenue and Denison Street
- Woodbine Avenue and Riviera Drive
- Woodbine Avenue and 14th Avenue
- Woodbine Avenue and Shields Court
- Woodbine and Burncrest Road / Miller Avenue

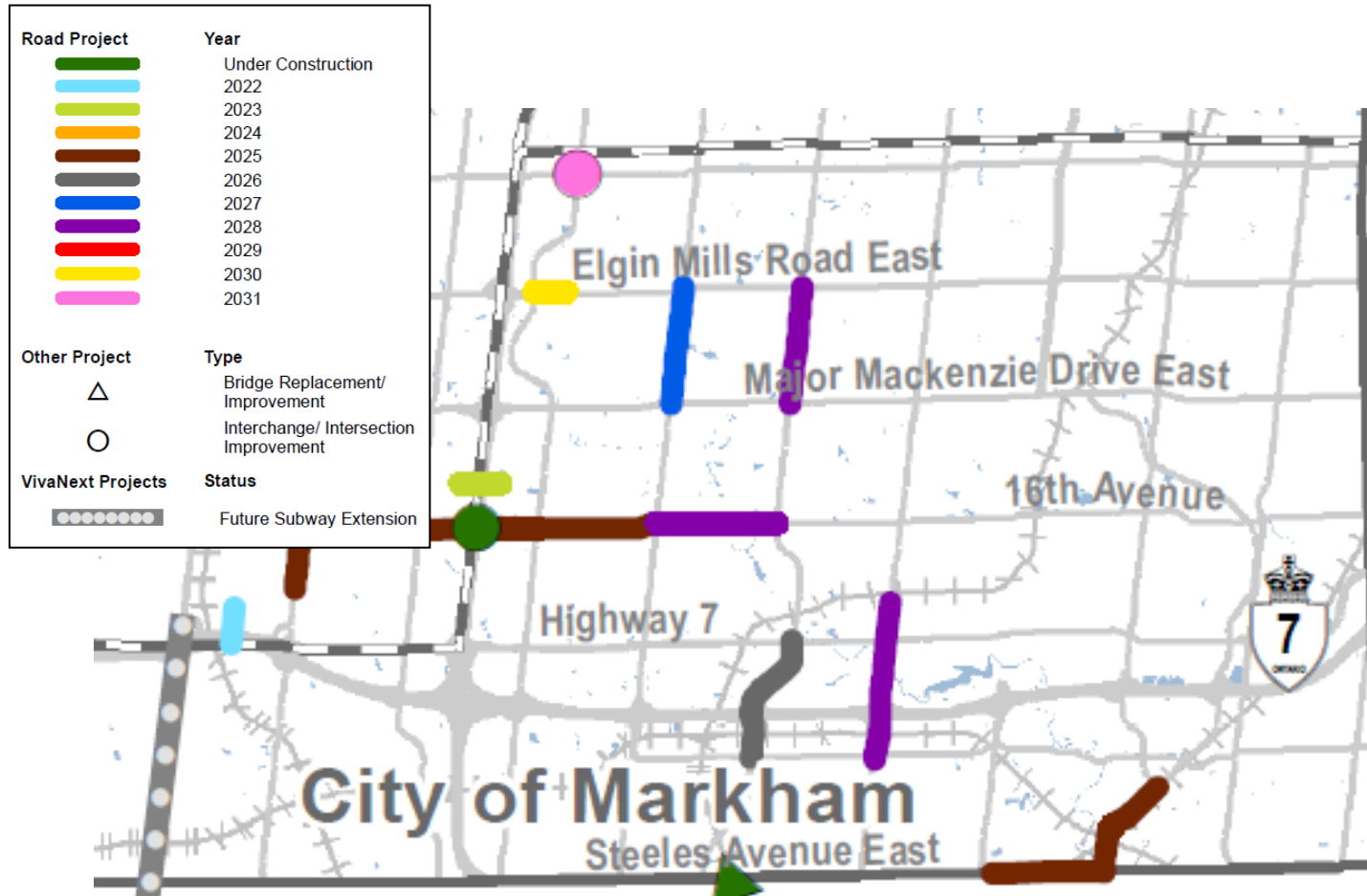
FUTURE PROJECTS

GROWTH PROJECT PHASES AND TIMELINES



Growth projects on average take 8 to 10 years from start to finish

2022 10-YEAR ROADS CAPITAL CONSTRUCTION PROGRAM



Future Projects:

- Kennedy Road, Major Mackenzie Drive to Elgin Mills Road – Environmental Assessment Underway
- Warden Avenue, Major Mackenzie Drive to Elgin Mills Road – Environmental Assessment Underway
- 16th Avenue, Leslie Street to Woodbine Avenue – Detailed Design Underway
- 16th Avenue, Woodbine Avenue to Warden Avenue – Detailed Design Underway
- 16th Avenue, Warden Avenue to Kennedy Road – Detailed Design Underway
- Kennedy Road, 14th Avenue to Highway 7 – Detailed Design Underway
- McCowan Road, 14th Avenue to Bullock Drive – Detailed Design Underway
- Mid-Block Crossing, Highway 404 north of 16th Avenue – Detailed Design Underway
- Ninth Line, Steeles Avenue to Box Grove By-Pass – Detailed Design Underway
- Elgin Mills Road, Woodbine Bypass to Woodbine Avenue
- Woodbine Avenue and 19th Avenue

ENVIRONMENTAL ASSESSMENT STUDIES



HIGHWAY 404 ROAD CROSSING

\$94.9M

CONSTRUCTION
2023

North of 16th Avenue



Construction of a new bridge over Highway 404 to link Orlando Avenue with Markland Street

16TH AVENUE

\$82.0M / \$42.4M



CONSTRUCTION
2025 / 2028

Leslie Street to Warden Avenue / Warden Avenue to Kennedy Road



Road widening from four to six lanes, widening of the Highway 404 bridge, rehabilitation of Rouge River bridge, active transportation, sidewalk, illumination and streetscaping

NINTH LINE

\$13.6M

CONSTRUCTION
2025

Steeles Avenue to Fieldside Street



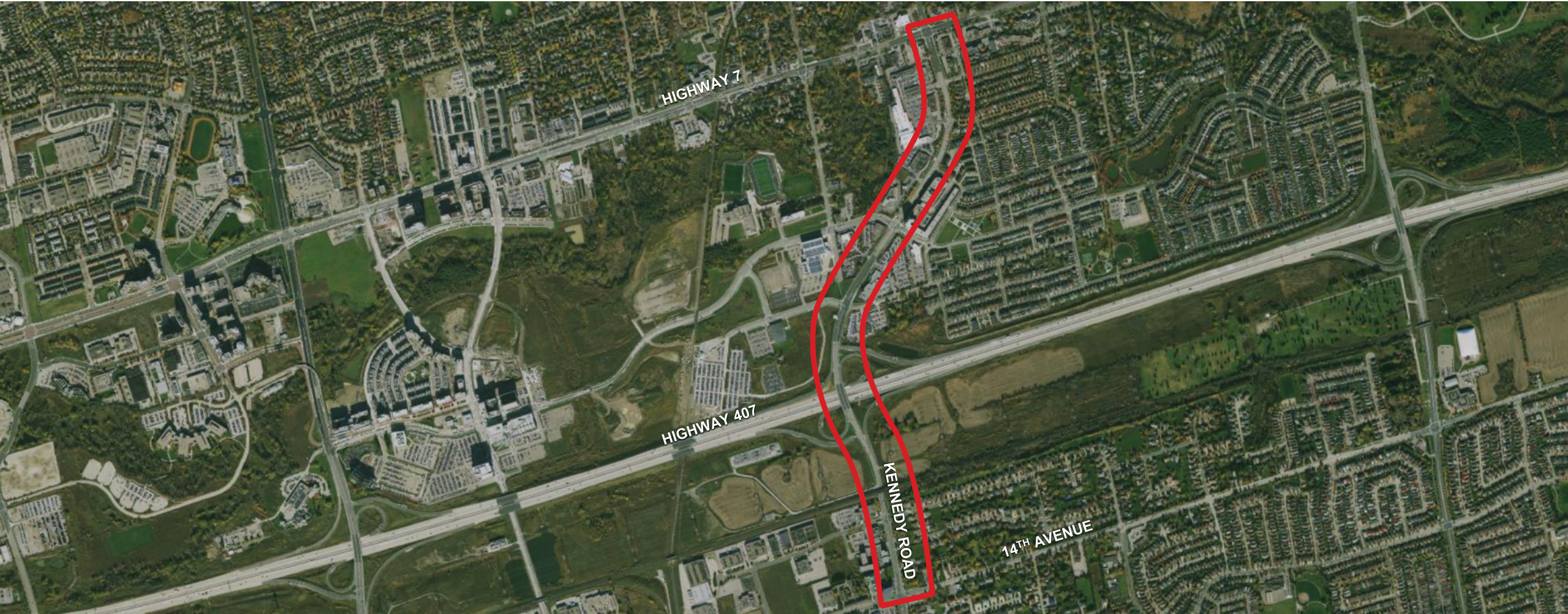
Widening from a rural two-lane road to an urban four-lane road, including sidewalk, active transportation, streetscaping and illumination

KENNEDY ROAD

\$81.7M

CONSTRUCTION
2026

14th Avenue to Highway 7



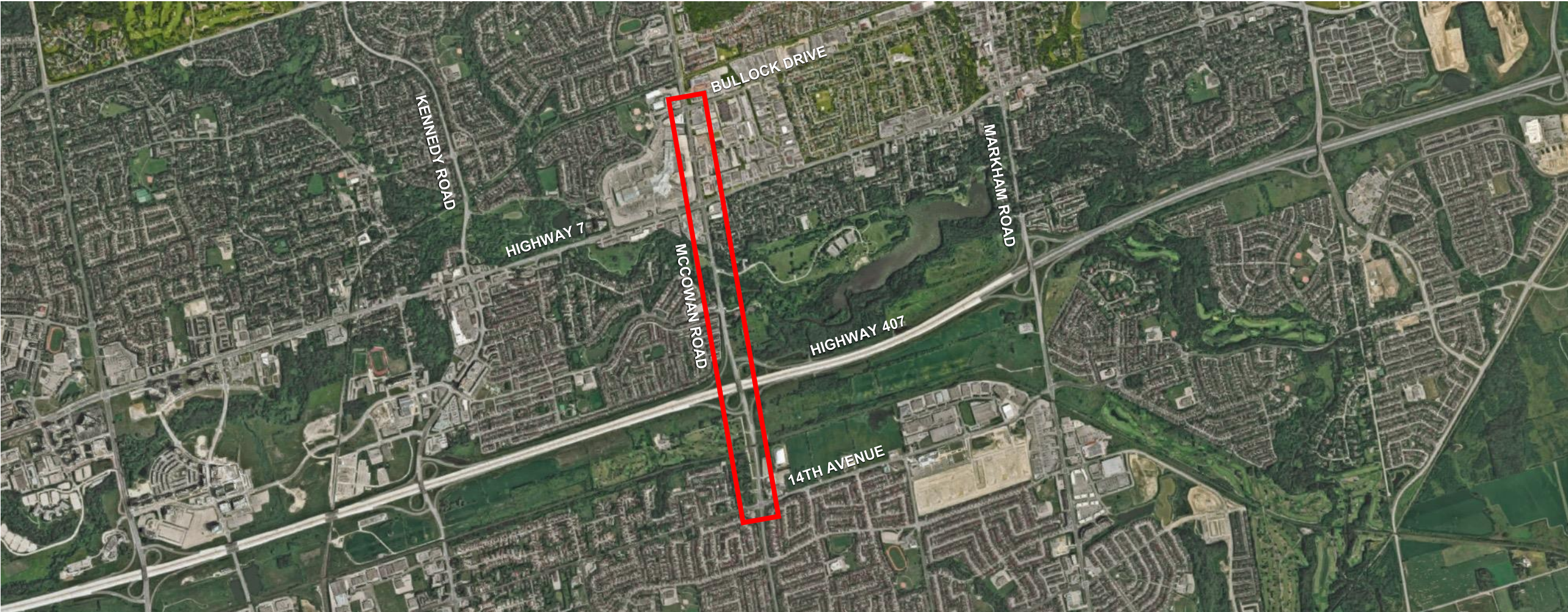
Reconstruction and widening of urban roadway from four-lane to six-lane, including replacement of the CN bridge, Transit/HOV lanes, active transportation, sidewalk and illumination

MCCOWAN ROAD

\$37.4M

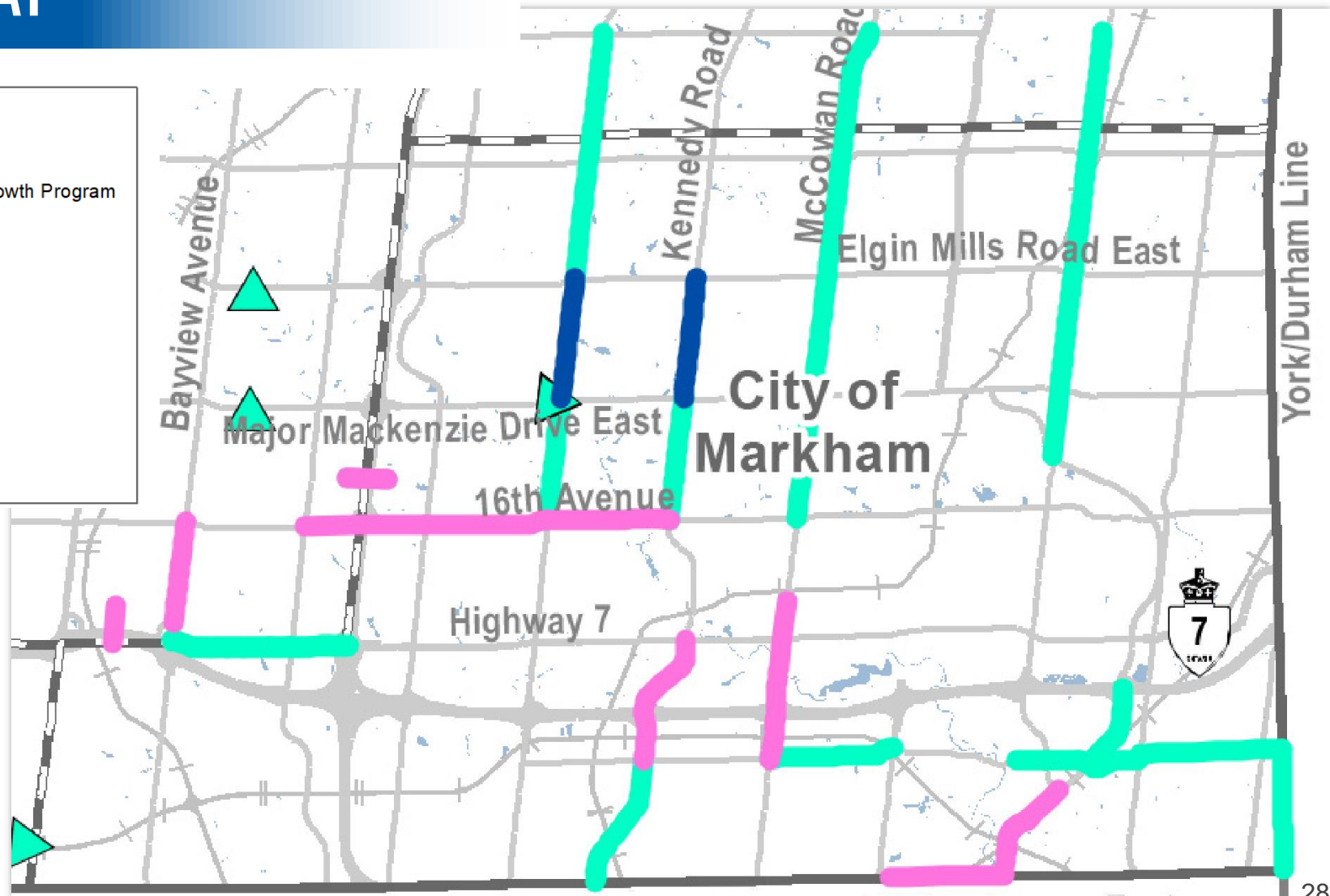
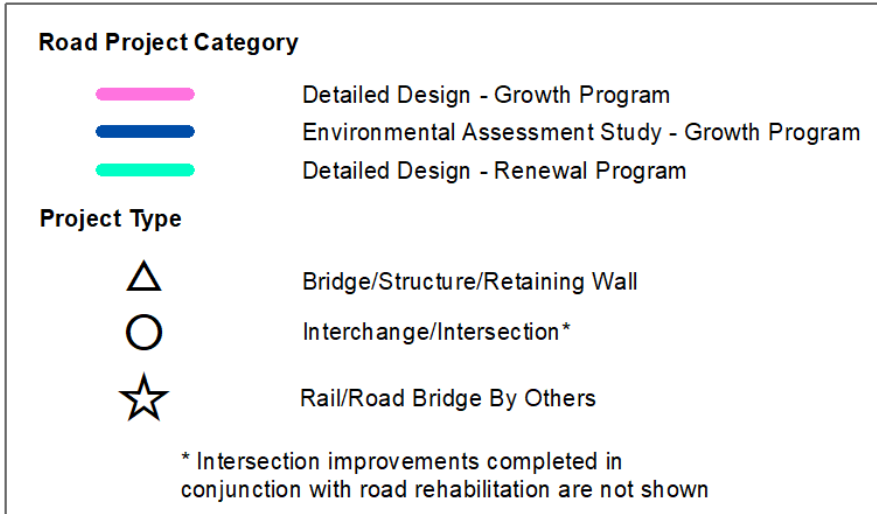
CONSTRUCTION
2028

14th Avenue to Bullock Drive



Reconstruction and widening of urban roadway from four-lane to six-lane, including Transit/HOV lanes, active transportation, sidewalk and illumination

2022 TRANSPORTATION PRE-CONSTRUCTION MAP



TRANSIT UPDATE

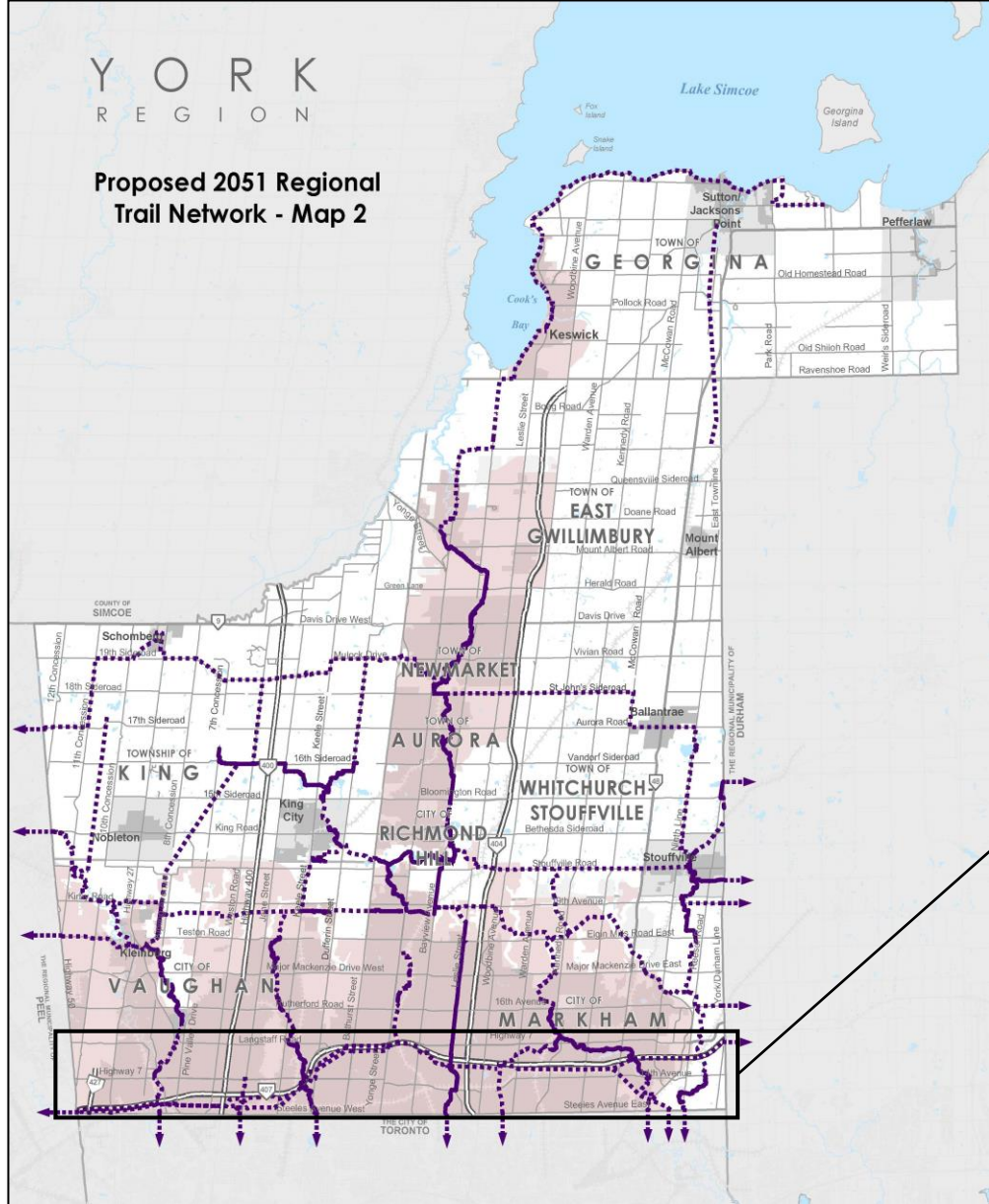


Cornell Bus Terminal, City of Markham

PLANNING FOR ALL MODES OF TRAVEL



ACTIVE TRANSPORTATION IN THE CITY OF MARKHAM



South York Greenway Cycling, Pedestrian and Micromobility Route

- Feasibility study underway for 50km+ of active transportation infrastructure east-west across York Region connecting to the Cities of Markham, Richmond Hill and Vaughan



KEY MESSAGES

- Council-approved Capital Program that balances growth and asset management needs
- Construction planned at 26 locations this year
- Actively preparing projects for future construction
- Utility relocation and advanced work underway for future growth projects



QUESTIONS/DISCUSSION

FOR MORE INFORMATION

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