

#### TRANSPORTATION CAPITAL INFRASTRUCTURE STATUS UPDATE

Presented to COMMITTEE OF THE WHOLE

Presented by SALIM ALIBHAI, P.ENG., PMP

Presented on MAY 9, 2024



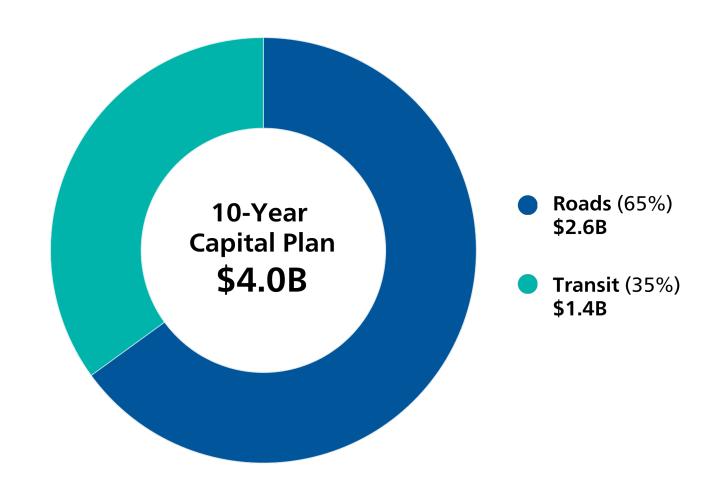
#### Presentation Objectives

- 2024 10-Year Capital Transportation Program Overview
- Accomplishments
- Ongoing and Future Projects
  - Growth Infrastructure
  - Asset Management
  - Market Landscape and Construction Mitigation

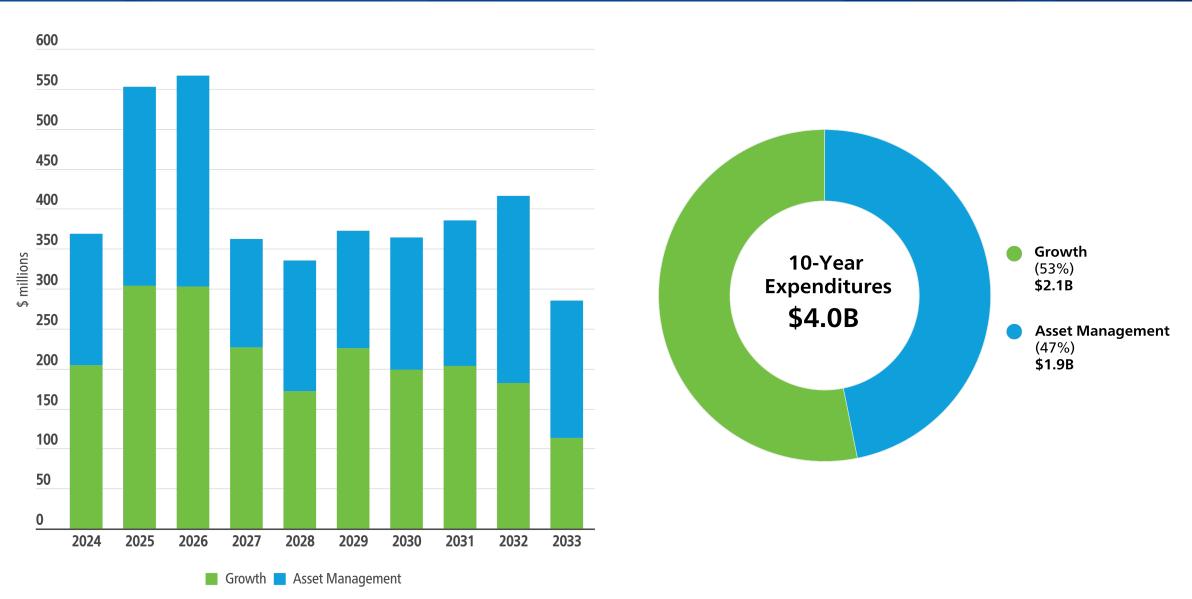


# TRANSPORTATION 2024 10-YEAR CAPITAL PROGRAM OVERVIEW

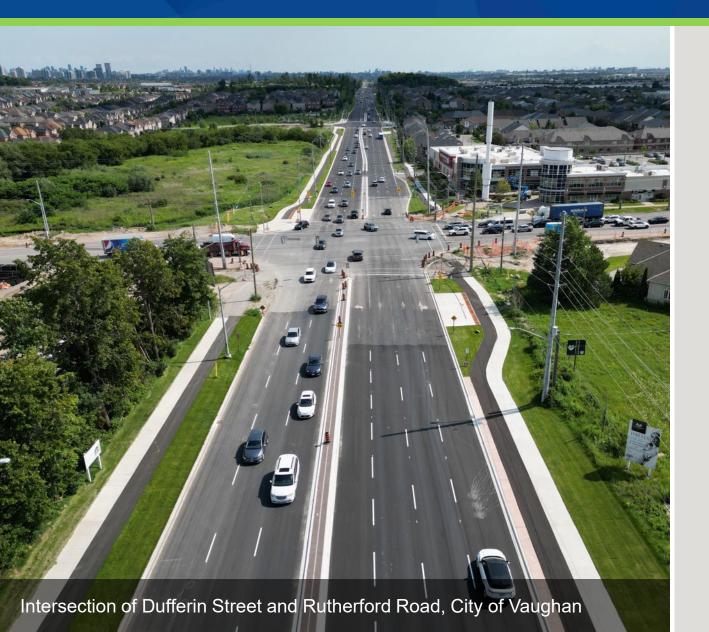
#### \$4.0 billion 10-Year Transportation Capital Budget



# \$2.1 billion in Growth and \$1.9 billion in Asset Management



#### 2024 Proposed 10-Year Capital Plan Deliverables

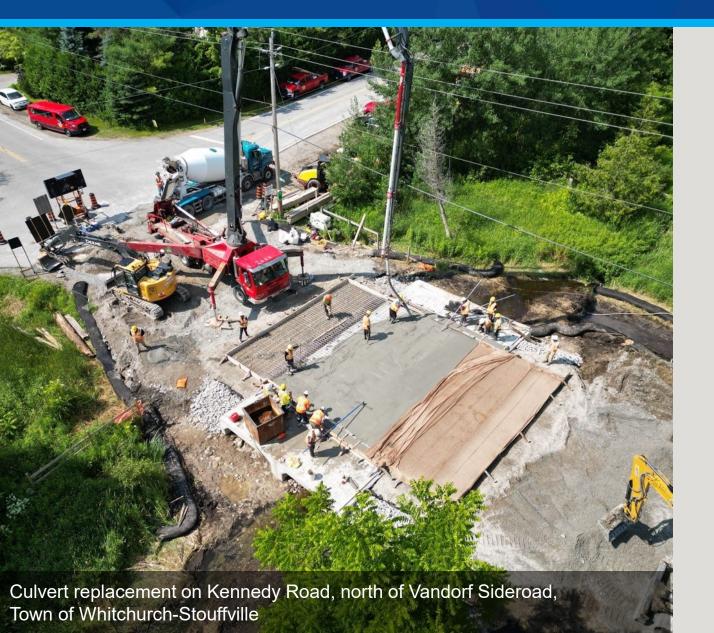




#### Growth

- 92 new lane kms
- 1 new grade separation
- 2 new mid-block crossings
- **130** intersection improvements
- 231 buses
- **208** electric charging stations
- 4 transit garage expansion projects
- 6 roads facilities projects

#### 2024 Proposed 10-Year Capital Plan Deliverables





#### **Asset Management**

3,580 lane kms to be rehabilitated

**100** structures to be rehabilitated

**454** bus replacements

**433** bus rehabilitations and refreshes

#### 2024 10-Year Roads Growth Construction Program and 5-Year Asset Management Program

Regional Road

Water Bodies

Railway

#### **Program Type**

Growth Capital Program (2024-2033) Asset Management (2024-2028)



Chippewas of Georgina Island First Nation

#### **BASE MAP INFORMATION**

Bridge Replacement/Improvement

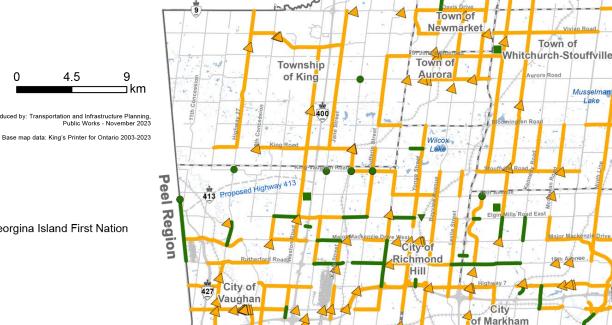
Interchange/Intersection Improvement

Road Facility Growth

Yonge Street North Subway Extension (YNSE)

Provincial Freeway

Provincial Highway



**Simcoe County** 

Island

Hwy 400-404 Connecting

**City of Toronto** 

Snake Island

Town of

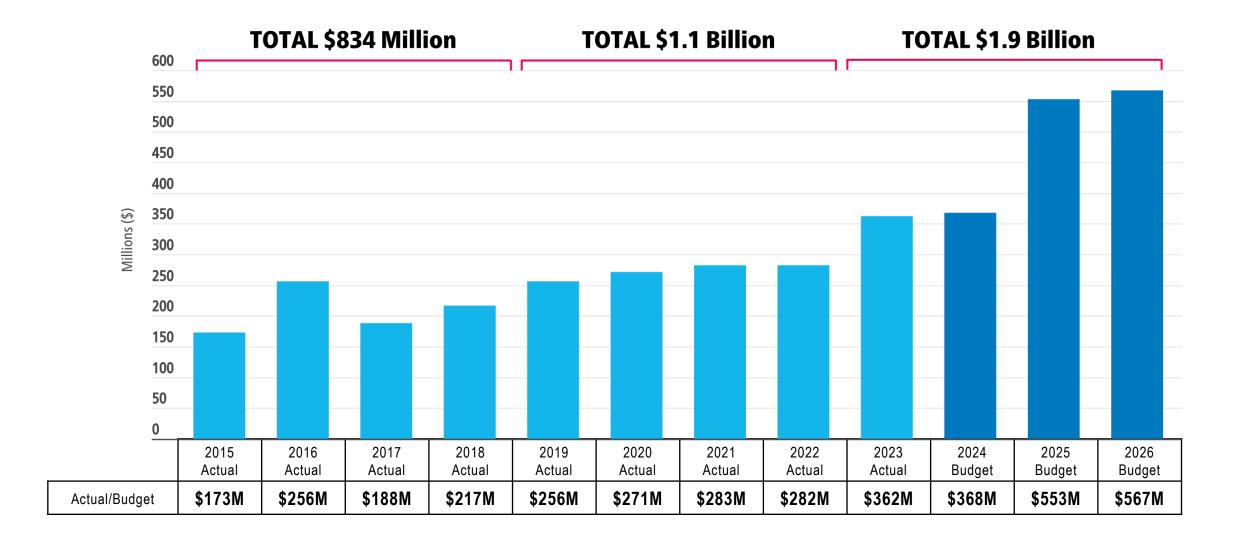
Gwillimbury

Durham

Region

Town of Georgina

#### Record Investment In Roads And Transit Programs



## **ACCOMPLISHMENTS**

# Major Mackenzie Drive





Jane Street to Keele Street





#### **Dufferin Street**





Apple Blossom Drive to Marc Santi Boulevard







# Major Mackenzie Drive West Terminal





PROJECT COST 18.7M

Opposite Cortellucci Vaughan Hospital





#### Road Rehabilitation and Resurfacing

Rehabilitated and resurfaced 285 lane-kilometres of roads throughout the Region



STATUS COMPLETE



PROGRAM COST 56.0M



#### Structure Rehabilitation and Replacement

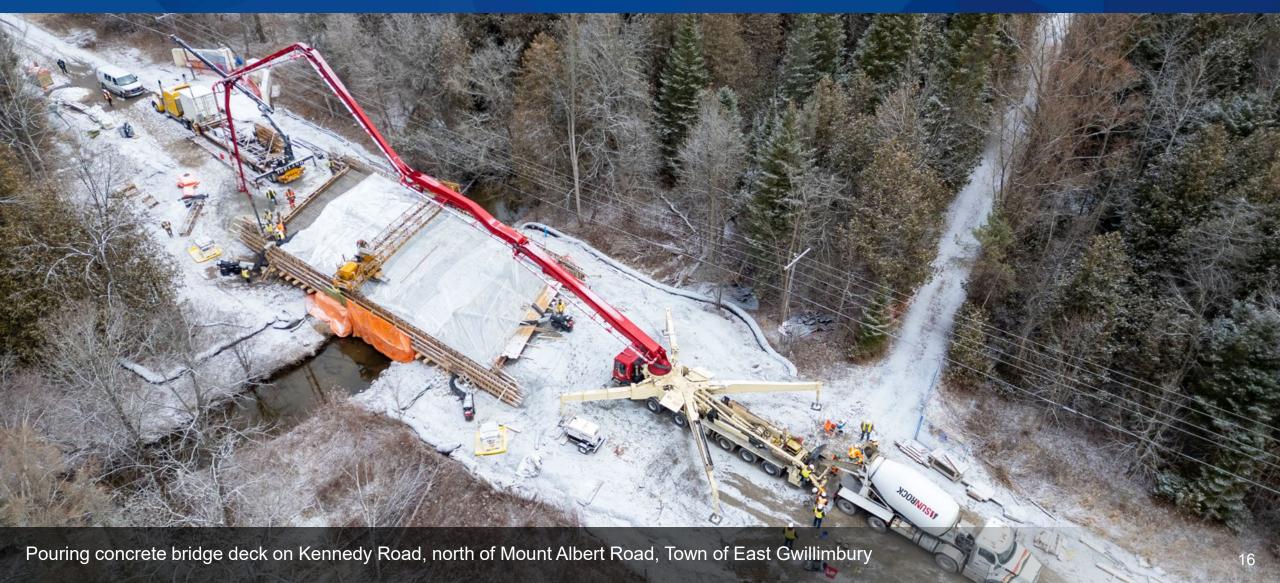
Rehabilitated 2 and replaced 6 structures throughout the Region



STATUS **COMPLETE** 



PROGRAM COST 24.0M



#### Intersection Modernization

Improved 40 locations throughout the Region



STATUS COMPLETE



PROGRAM COST 5.0M\*

\* Does not include the cost of 28 intersections improved in conjunction with road rehabilitation projects



#### Transit Terminal, Shelters, Concrete Platforms and Bus Stops

Installed 63 concrete pads, 15 conventional shelters and rehabilitated transit terminals throughout the Region



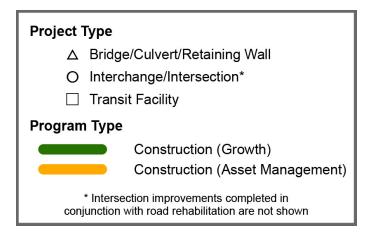


PROGRAM COST 4.5M



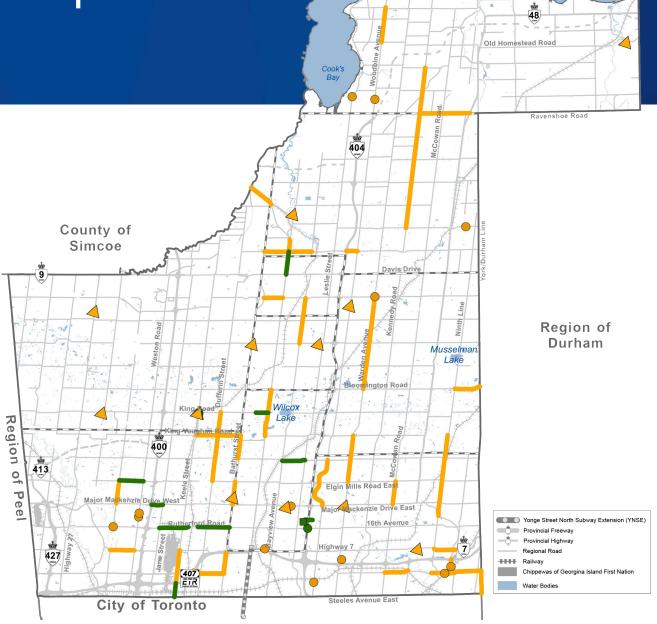
## ONGOING AND FUTURE PROJECTS

#### 2024 Transportation Construction Map



#### \$368 million investment in 2024

- 82% in Roads (\$303M)
- 18% in Transit (\$65M)



Island

Snake

Island

Lake Simcoe

Georgina

# GROWTH INFRASTRUCTURE

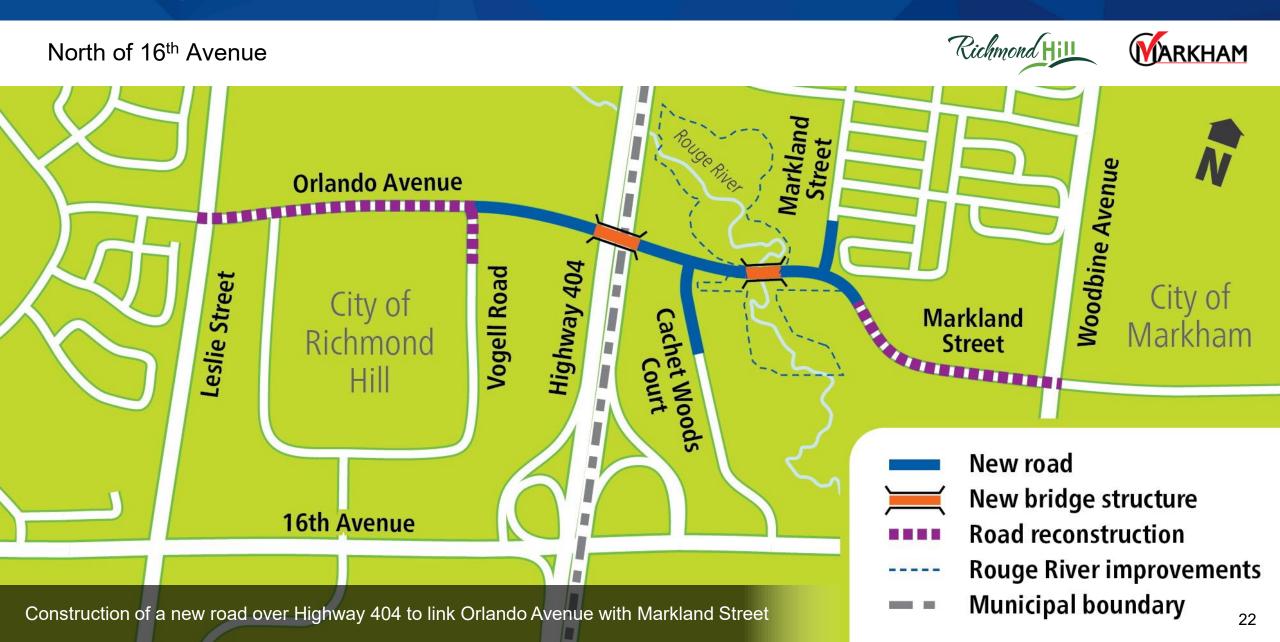
# Highway 404 Road Crossing







COMPLETION 2027







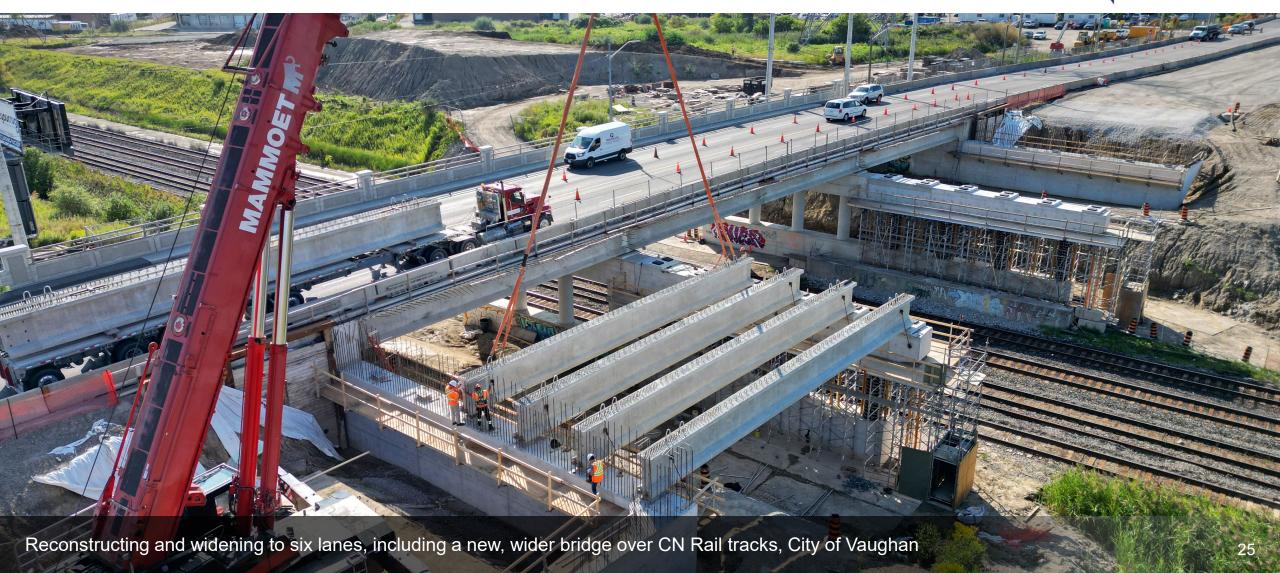




COMPLETION 2024

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





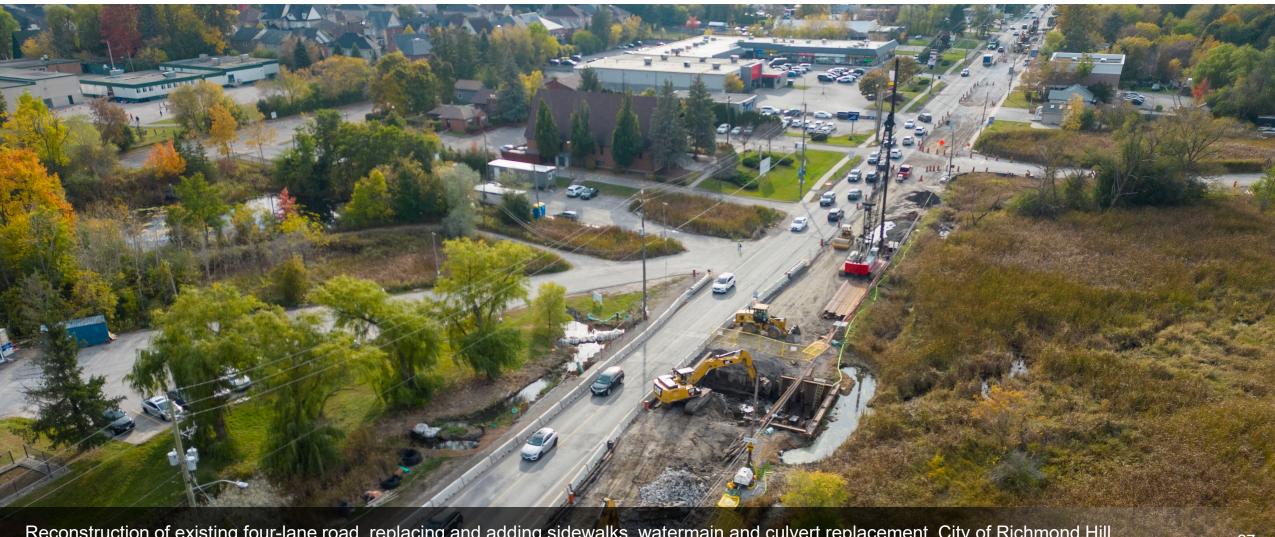






Bathurst Street to Yonge Street









# Major Mackenzie Drive

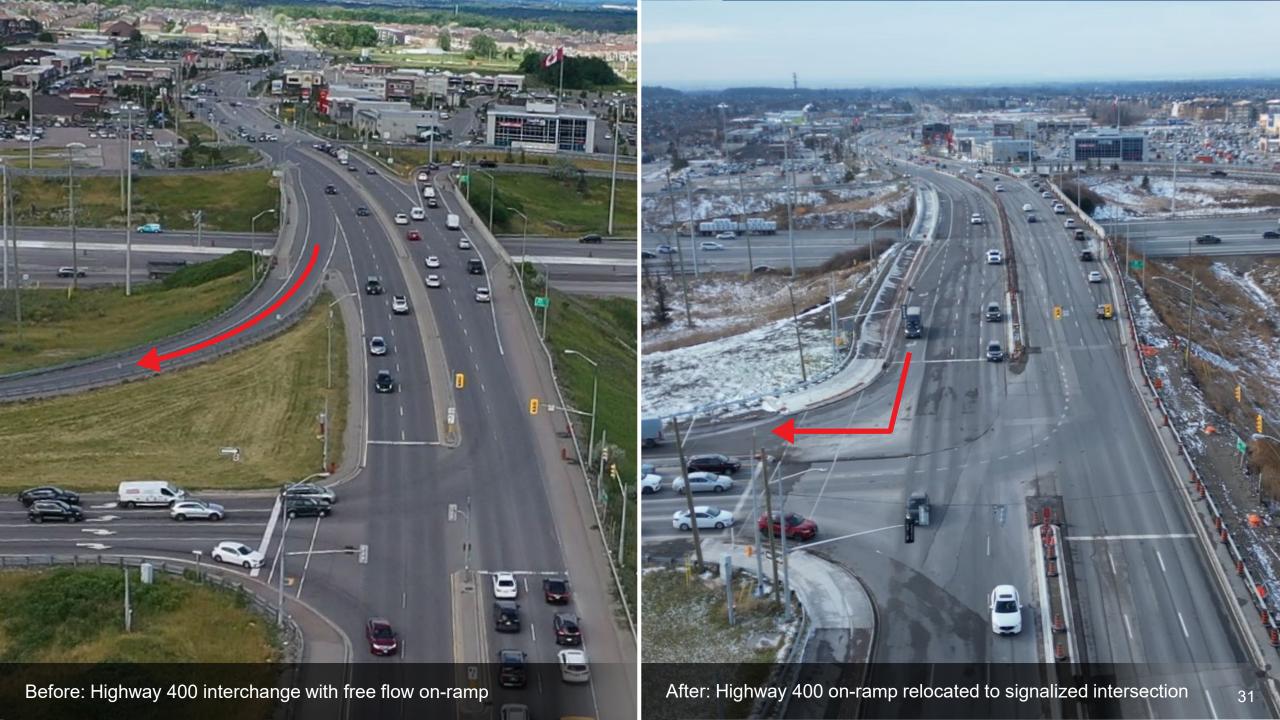




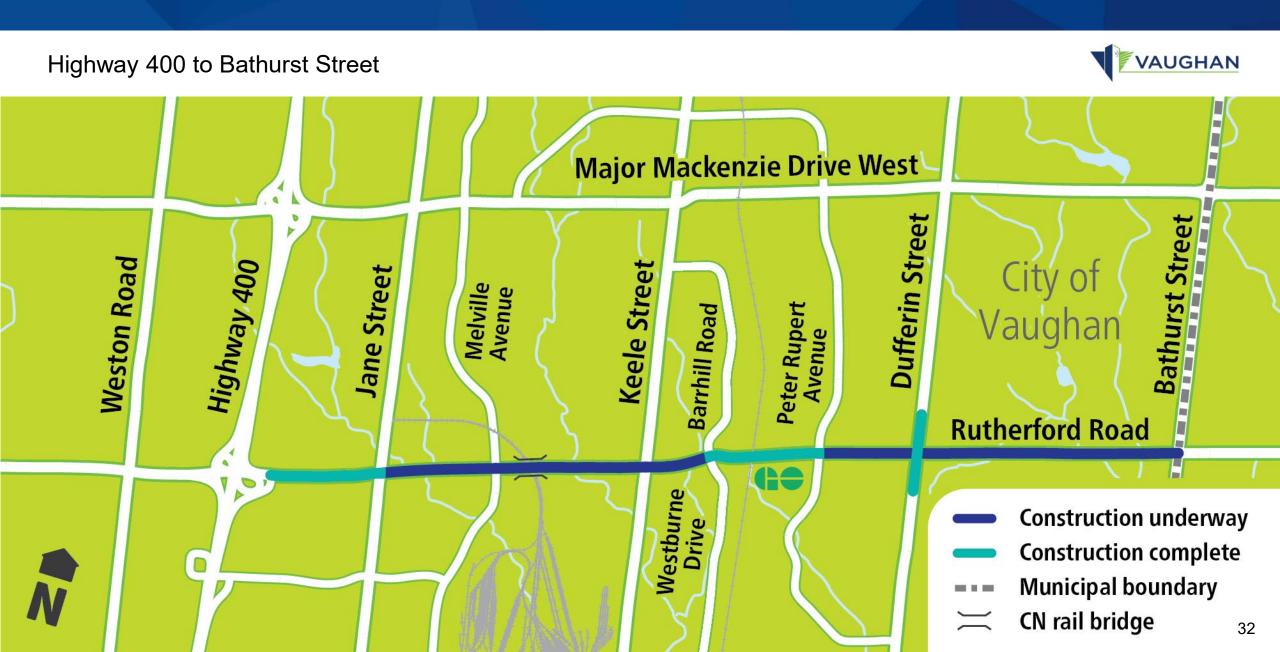
Highway 400 to Jane Street





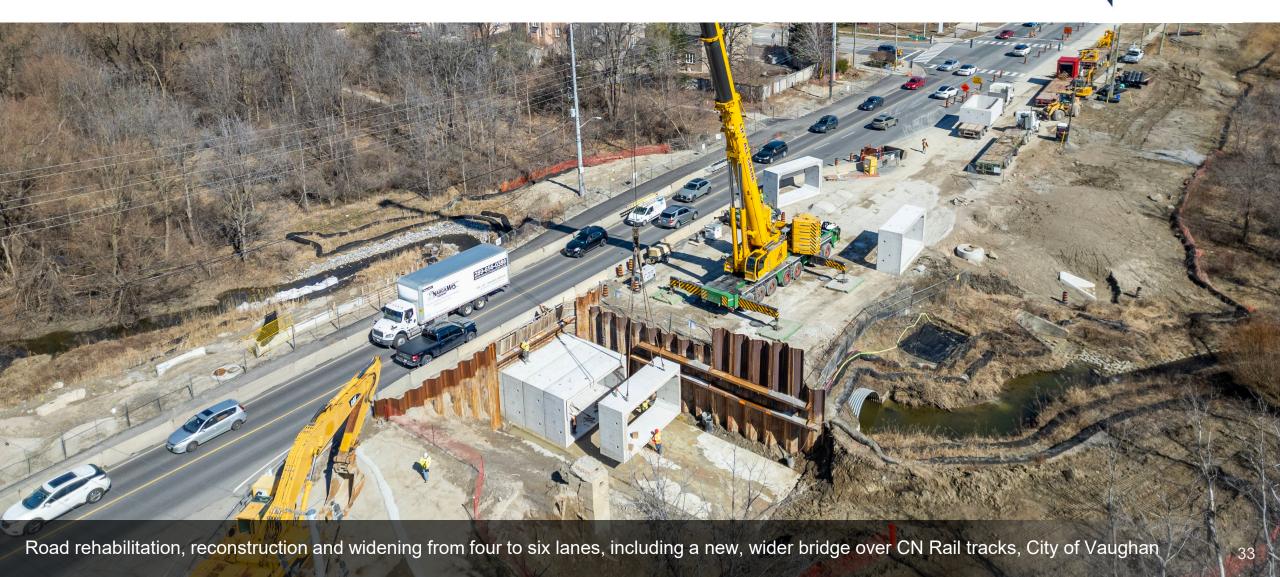


#### Rutherford Road



Jane Street to Westburne Drive











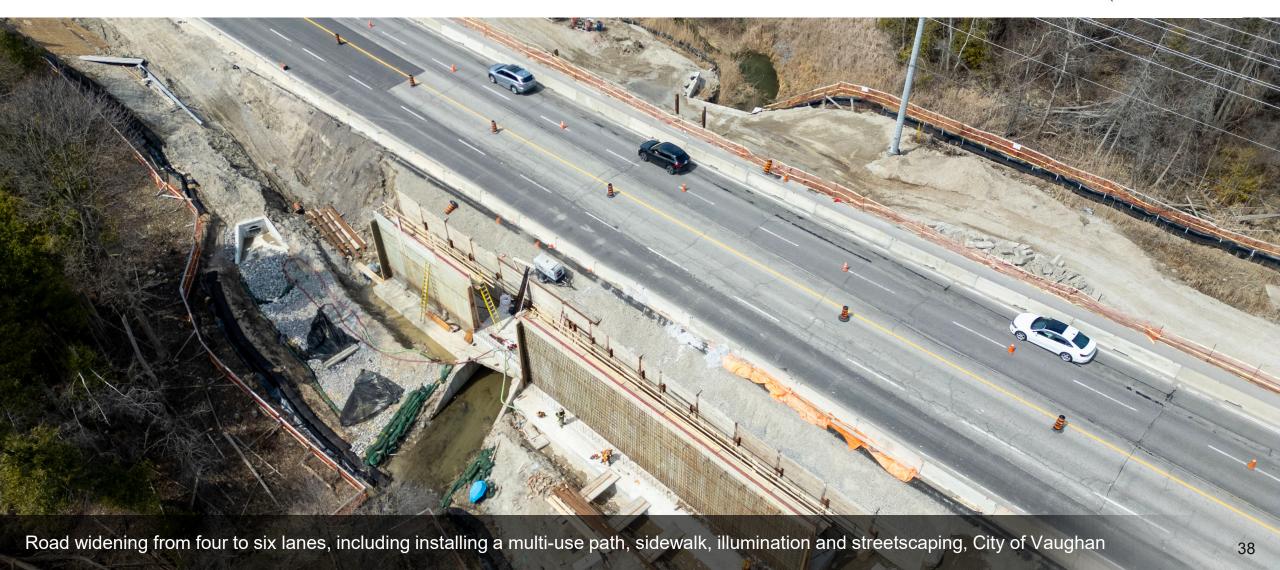






Peter Rupert Avenue to Bathurst Street











COMPLETION 2025

Pine Valley Drive to Weston Road







### Yonge Street







COMPLETION 2028

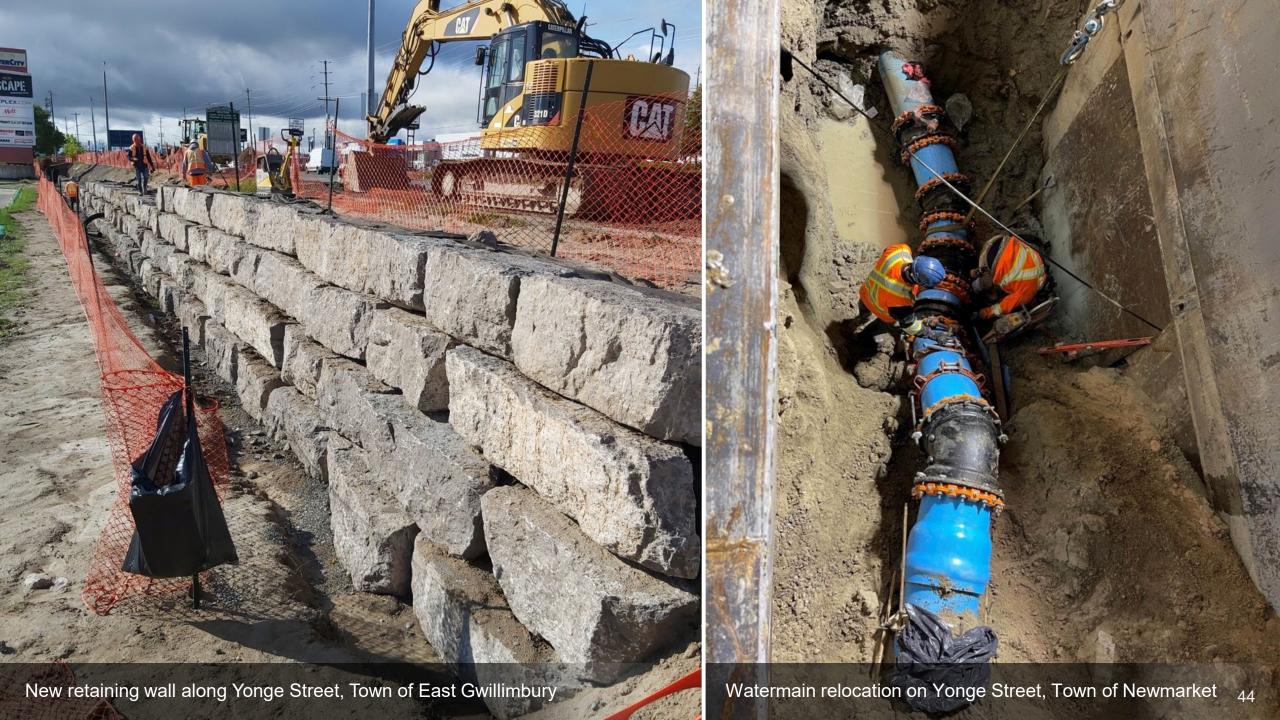
Davis Drive to Green Lane











### 16th Avenue, Highway 404 Interchange





Phase 1: Delivered in partnership with the Ministry of Transportation (MTO)







#### 16th Avenue



STATUS **DESIGN** 





2025 (Phase 2)



Phase 2: Leslie Street to Warden Avenue

Phase 3: Warden Avenue to Kennedy Road





Major Mackenzie Drive East

City of Richmond Hill

Woodbine Avenue Highway 404

Warden Avenue

Kennedy Road

**16th Avenue** 



Leslie Street

2025 Construction

2028 Construction

**Underway - Delivery by MTO** 

**Municipal Boundary** 

### 19<sup>th</sup> Avenue







Bayview Avenue to Leslie Street





#### **Bathurst Street**



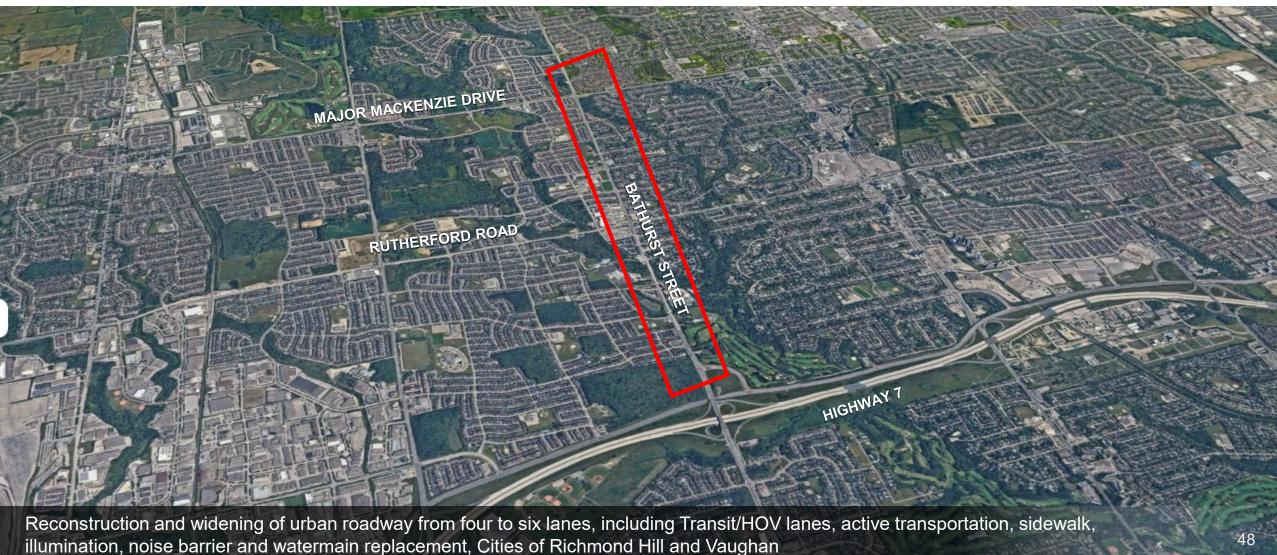




North of Highway 7 to Major Mackenzie Drive

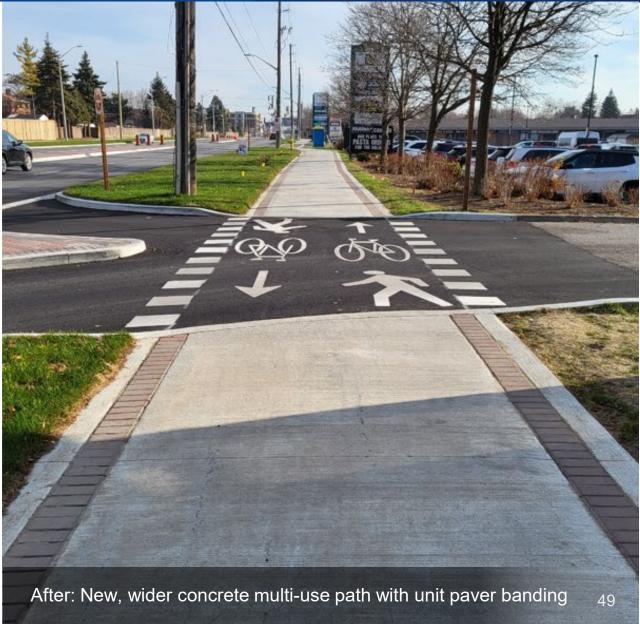






## Planning For All Modes of Travel









#### **Electric Bus Infrastructure**







#### **Zero Emission Transit Fund**

### Canadä<sup>\*</sup>





### ASSET MANAGEMENT

### Road Rehabilitation And Resurfacing

Rehabilitate and resurface 415 lane-kilometres throughout the Region





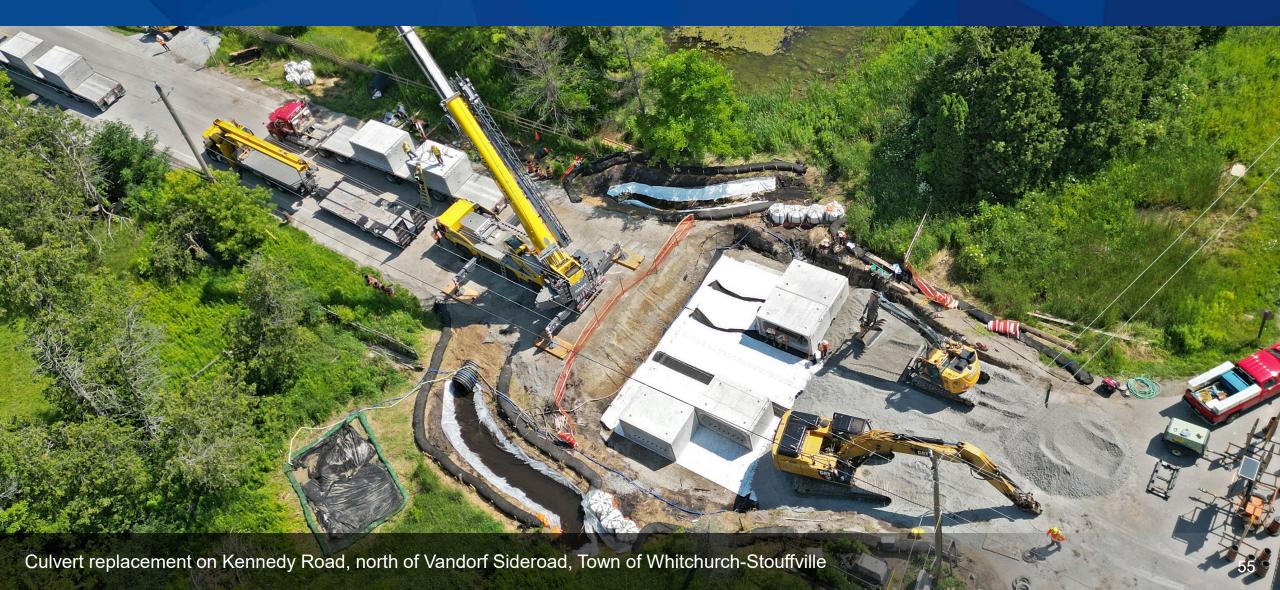
#### Structure Rehabilitation And Replacement

Rehabilitate 7 structures and replace 6 structures throughout the Region

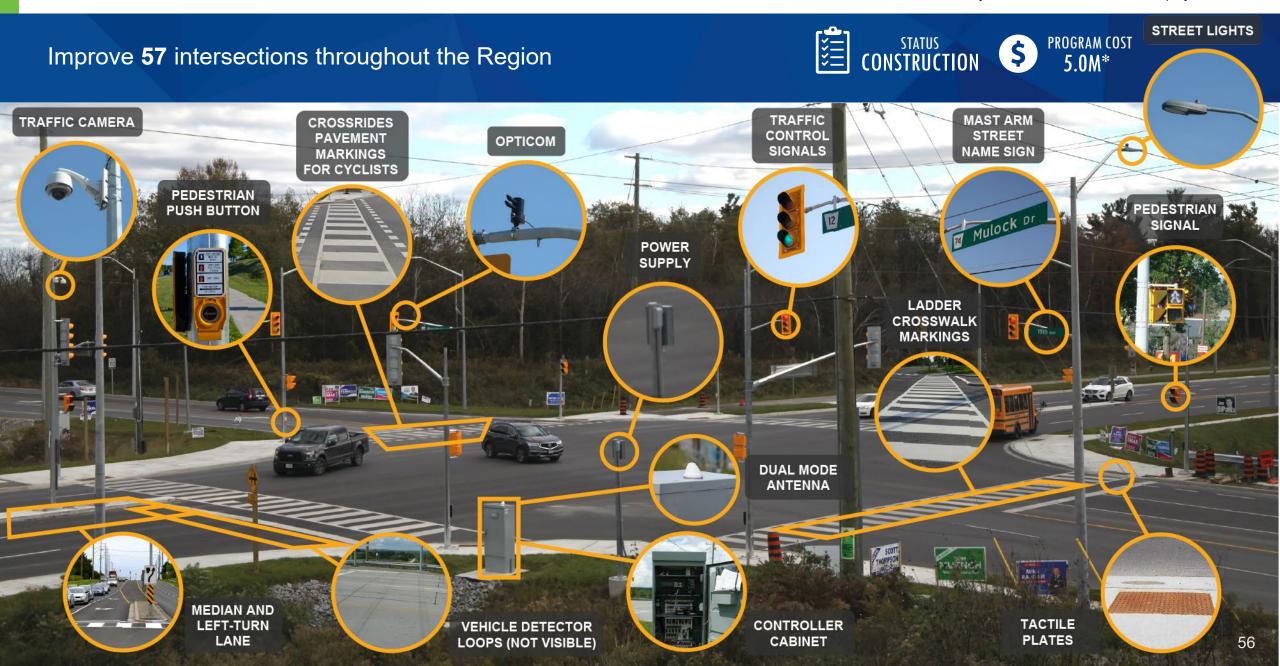




PROGRAM COST 22.6M



\* Does not include the cost of 29 intersections improved in conjunction with road rehabilitation projects



#### Transit Terminal, Shelters, Concrete Platforms And Bus Stops

Install 60 concrete pads, 26 conventional shelters throughout the Region and rehabilitate 2 YRT transit terminals





PROGRAM COST 3.7M



#### Fleet Replacement And Asset Life Extension

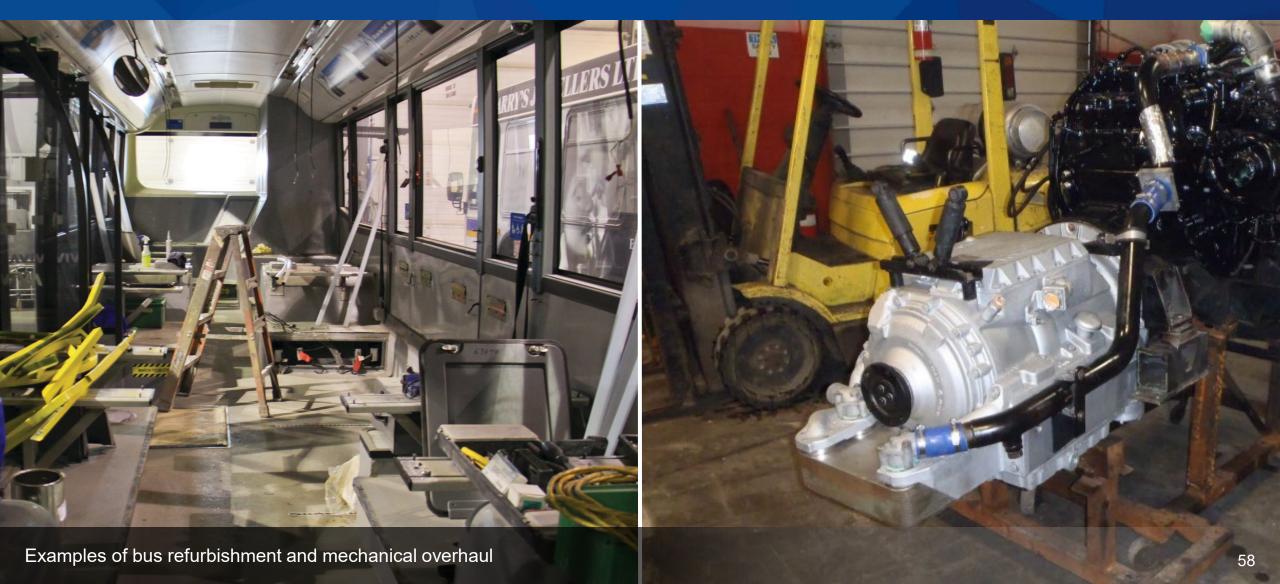
Purchase of **50** buses and rehabilitate **75** buses to extend asset life through mechanical refreshes and midlife overhauls



STATUS UNDERWAY



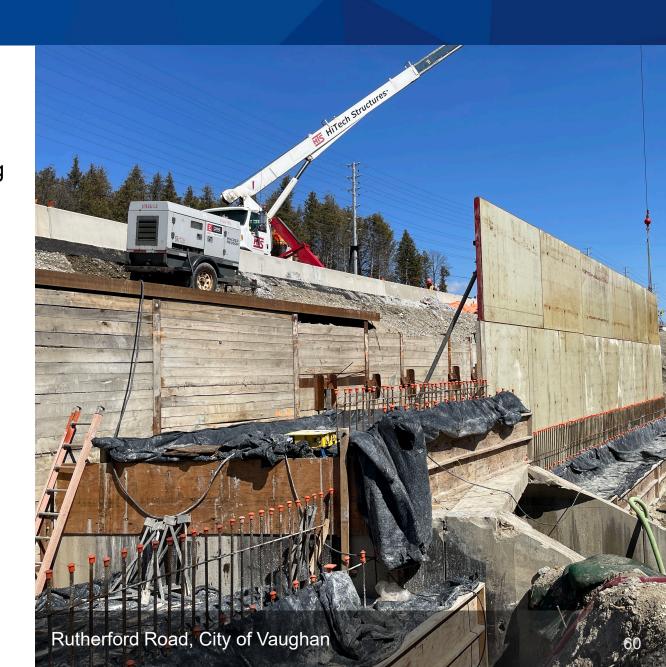
PROGRAM COST 40.6M



### MARKET LANDSCAPE AND CONSTRUCTION MITIGATION

### Market Landscape

- Economic pressures/construction cost escalation
  - Strategic bundling of projects
  - Ensure competitive procurement process attracting multiple bidders
  - Seek new funding opportunities
- Reduced development charge collections
  - Review project timing
  - Seek funding from other levels of government
- Regulatory changes
  - Excess Soils
  - New Municipal Project Assessment Process (MPAP)
- Coordination of projects
  - Prioritize Region projects with partners
  - Incorporate work for others
- Continue all pre-construction activities in case of advancement or additional funding



### **Construction Mitigation**

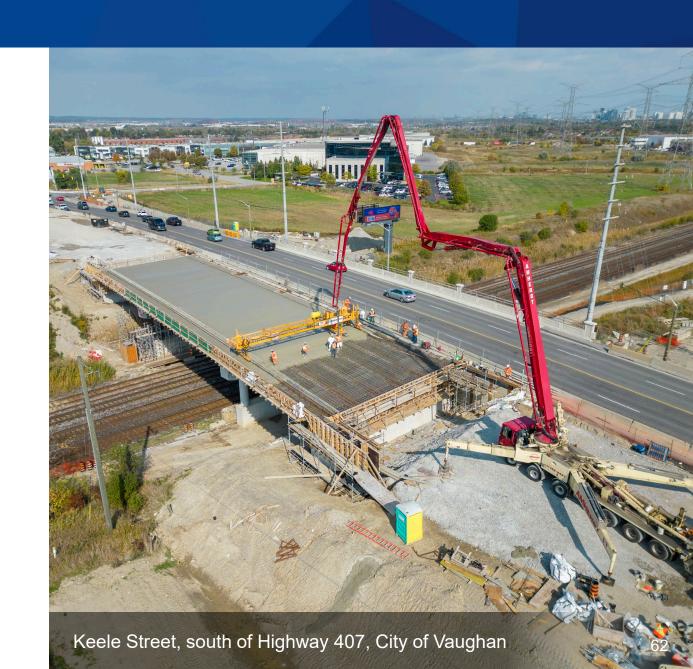
Mitigation strategies applicable to Transportation and Water/Wastewater capital projects:

- Provide advance notice of major changes to work staging
- Maintain existing number lanes
- Reduce lanes only during off-peak hours
- Close roads only when necessary
- Work at night on high volume corridors
- Maintain access to homes and businesses
- Monitor signal timing and adjust as needed
- Work with local municipal staff to address any concerns that arise



### Key Messages

- 1. \$2.5 billion invested in Transportation infrastructure in the past 10 years
- 2. Record investment in Transportation Services during this term of Council
- 3. Building a network to service the needs of York Region's1.2 million residents and businesses
- 4. Council-endorsed Capital Program that balances growth and asset management needs
- 5. Construction planned at over 120 locations this year and actively preparing projects for future construction



# Thank you

For more information

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