

Region of Peel Public Works Projects Update

April 21, 2022



1. Overview of Water, Wastewater and Transportation Works
2. Cawthra Road Corridor and Intersection Improvements
3. Silverthorn Pumping Station and Reservoir
4. Linear Water/ Wastewater Projects
5. Communications and Digital Updates
6. Investing in Water Video

Construction Projects

- Watermain and sanitary sewer replacements
- Watermain and sanitary sewer lining/ repair
- Road improvements on Regional roads

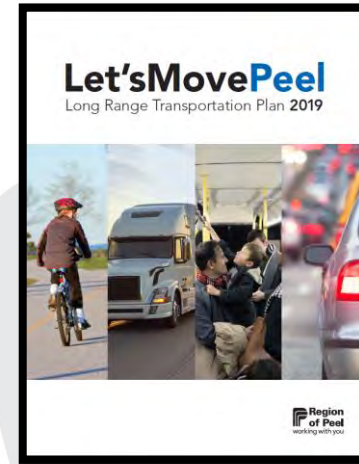
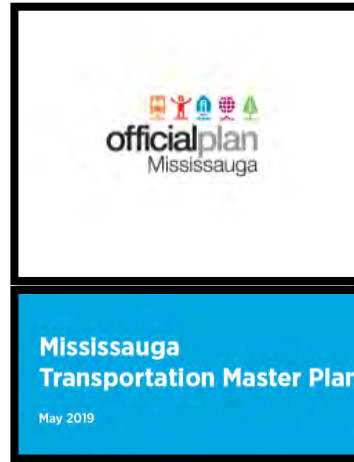
- Timing of Construction projects are coordinated between the City and the Region.

Cawthra Rd Corridor and Intersection Improvements

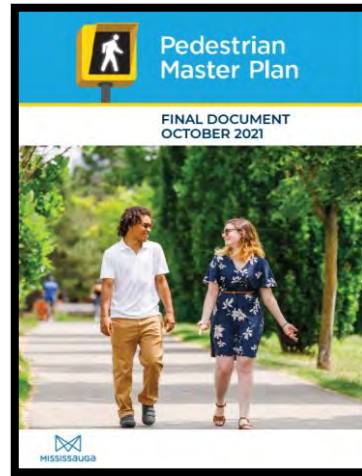
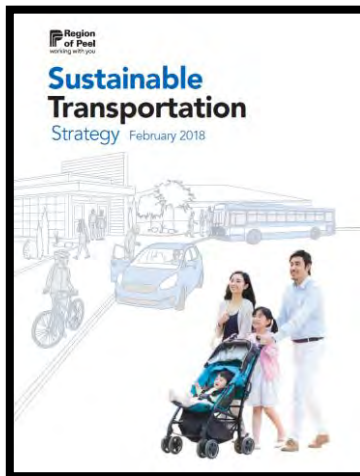
From Queen Elizabeth Way (QEW) to Eastgate Parkway

Update

Planning Content



50% sustainable transportation mode share by 2041



Project Objectives

- Meet goals and objectives for multi-modal transportation design
- Maximize use and capacity of road right-of-way
- Improve operations and safety within road corridor for all users

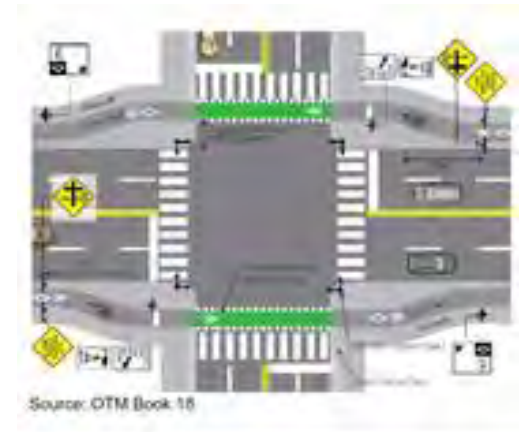


Project Milestones



Challenges and Opportunities

- No cycling facilities on Cawthra Road
- Traffic congestion at major intersections
- Excessive speeding along the Study corridor
- Frequency of collisions associated with left-turning conflicts at major intersections and commercial entrances

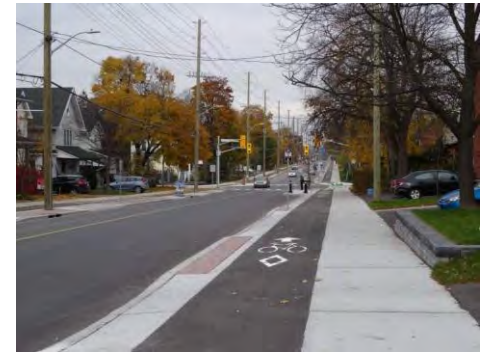


- ✓ ***Protected and dedicated cycling infrastructure***
- ✓ ***Intersection improvements***
- ✓ ***Pedestrian and cyclist safety at intersection crossings***
- ✓ ***Lane width assessment***
- ✓ ***Fully protected left-turn phasing or left-turn restrictions to address safety concerns***



Planned Corridor Improvements

- 5.5km road reconstruction
- 4 lanes (5 lanes south of The Queensway)
- Centre-turn lanes and medians in sections of corridor
- Combination of cycle tracks and raised bike lanes
- Provisions for transit (bus) services
- Pavement markings and signage improvements
- Upsizing of various storm sewer pipes
- Private noise wall conversion to new Regional walls at various locations



Cycle track



Raised bike lane

Planned Intersection Improvements

- Crossrides
- Dual left-turn and exclusive right-turn lanes
- Fully protected signal phasing
- Removal and replacement of channelized islands with smart channels



Crossride



Smart Island

Key Considerations during Construction

- Corridor user safety
- Traffic flow during construction
- Property access during construction
- Coordination with Bloor Street Integrated Corridor Study
- Coordination with area road and water/wastewater infrastructure projects
- Streetscaping
- Environmental permits
- Approvals and commitments

Figure 8: Typical Cross-section with Cycle Tracks

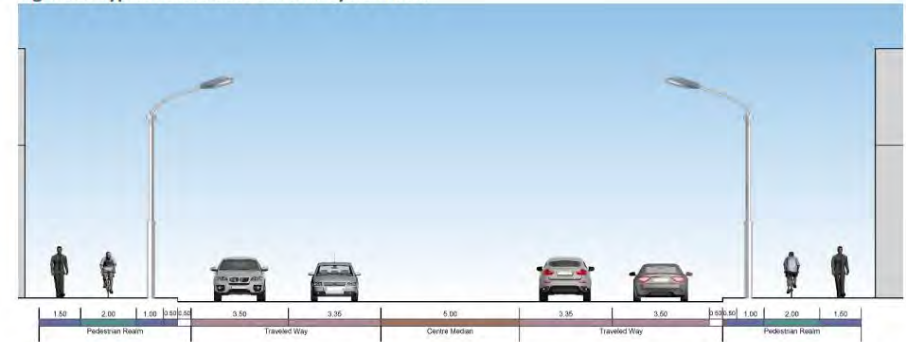
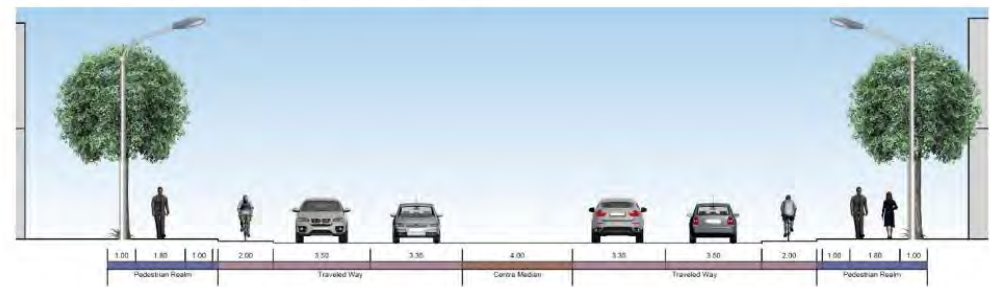
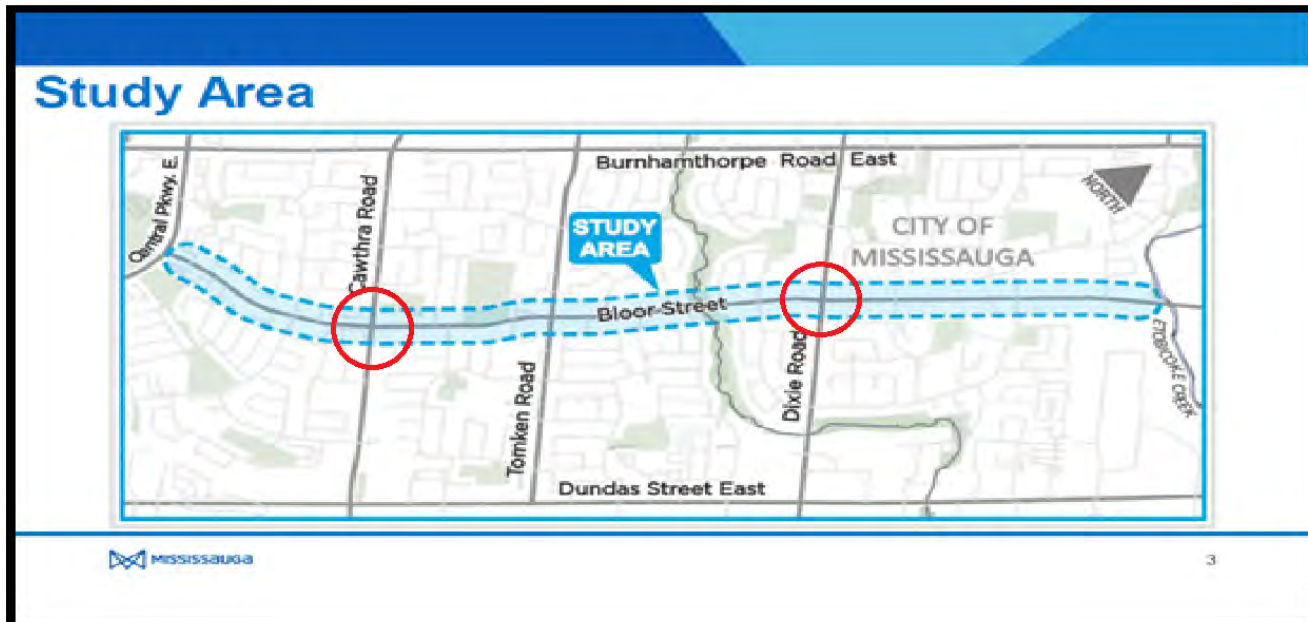


Figure 9: Typical Cross-section with Raised Bike Lanes



Bloor Street Integrated Corridor Study

- **City of Mississauga** Study on Bloor St from Etobicoke Creek to Central Pkwy East is ongoing
- Corridor planning and design for Cawthra Rd and Bloor St are being coordinated



Construction

- Traffic Management Plan and Construction Staging Design will be developed as design progresses
- Appropriate signage, temporary line-painting and clear traffic control measures will be used to safely guide traffic through the construction zone
- Affected driveways / deliveries – business owner coordination – advanced construction notices to property owners
- Communication tactics: project notices, newspaper advertisement , social media , project website



Next Steps

- Detailed Design (2022 & 2023)
- Property Acquisition / Permit to Enter Agreements (2023 & 2024)
- Utility Relocation / Adjustment (2024)
- Construction (2025 – 2027)



Thank You Questions?

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Silverthorn Pumping Station & Reservoir Update



Silverthorn Pumping Station & Reservoir



Phase 1 Scope of Work (Spring 2019 – Summer 2022)

- Expanding the existing building to install new pumps and electrical systems.
- Adding transformers (to be wrapped in decals) and a hydro pole on Bloor Street.
- In-ground reservoir upgrades.
- Replacing and refurbishing the existing pumps.
- Landscaping and site restoration.

Phase 1 Construction Progress (April 2022)

- Reservoir work complete.
- New building (external) complete.
- New electrical switchgear (indoors and outdoors) complete.
- Pumps, valves, process equipment, instrumentation and control systems commissioning ongoing.
- Landscaping and site restoration ongoing.

Phase 1 Construction Progress (April 2022)



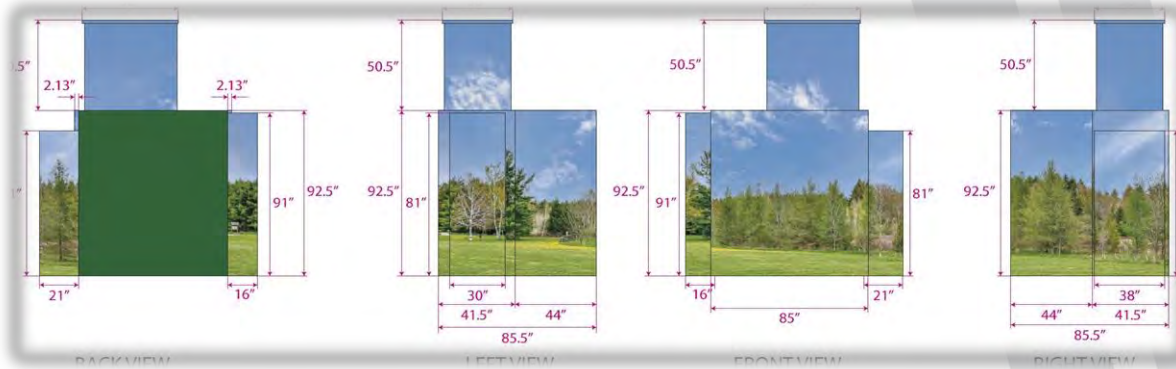
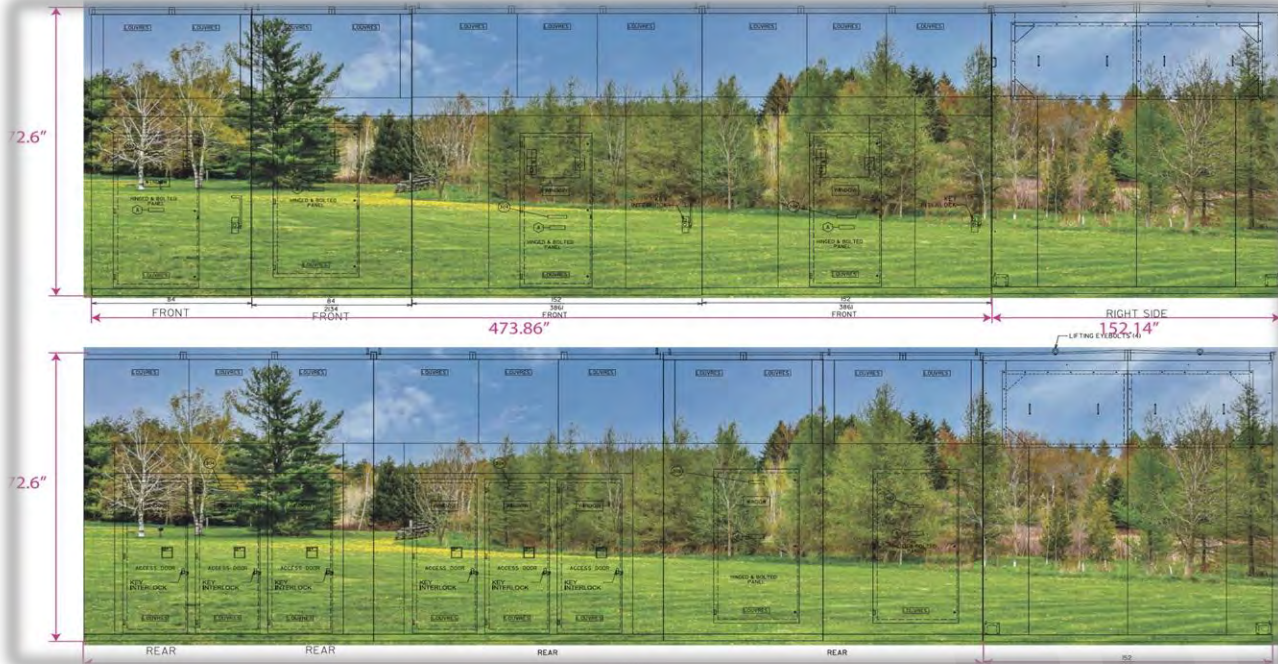
Phase 1 Construction Progress (April 2022)



Phase 1 Construction Progress (April 2022)



Outdoor Electrical Equipment (April 2022)



Phase 2 Scope of Work (Construction to start in 2027)

- Refurbishing and expanding existing underground reservoir.
- Addition of new, large stormwater and overflow detention pond.
Detention pond is a security measure to prevent neighbourhood flooding.

Thank You Questions?

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Linear Water/ Wastewater Update



Cawthra Phase 2 - Sanitary Sewer and Watermain (Under Construction)



Phase 3 – Burnhamthorpe Road Sanitary Sewer (Under Design)



Burnhamthorpe Water Project

North West Corner of Cawthra



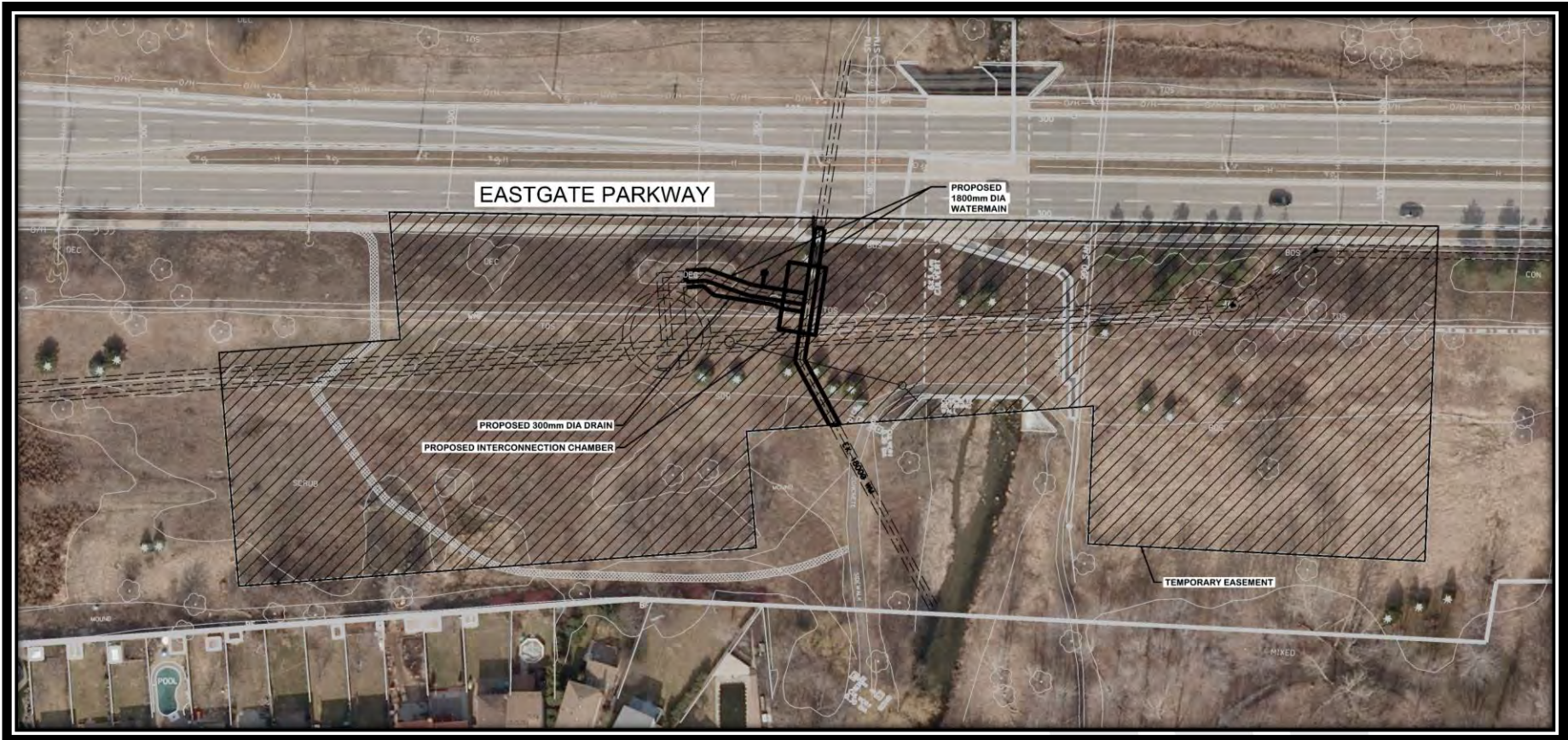
North East Corner of Cawthra



Restoration planned to be complete by end of the Summer 2022

Hanlan Feedermain

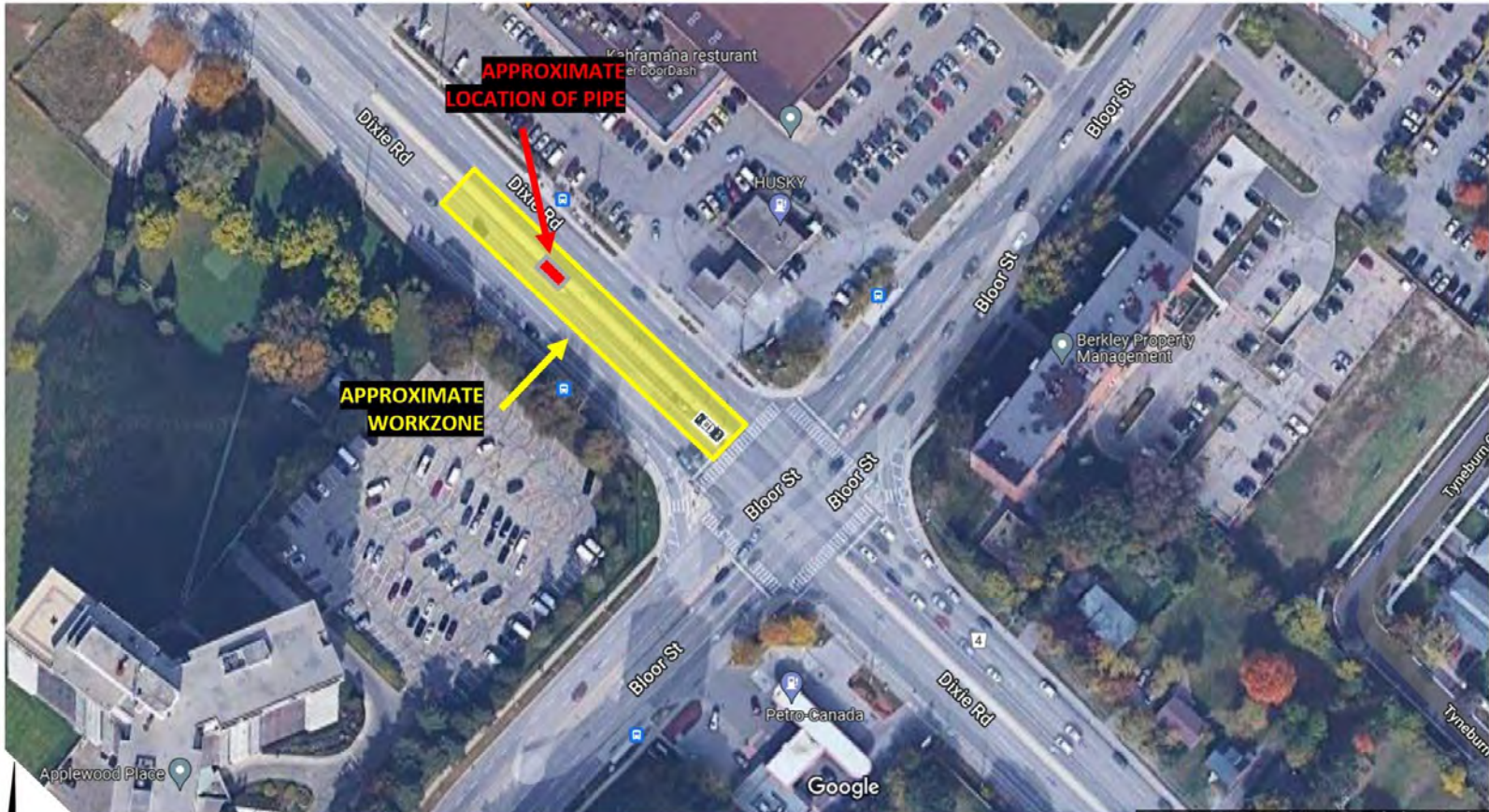
Eastgate Interconnection



HFM Interconnects:
Projected Start Date: Summer/Fall of 2022
Projected Completion Date: Fall 2024

Emergency Watermain Repair

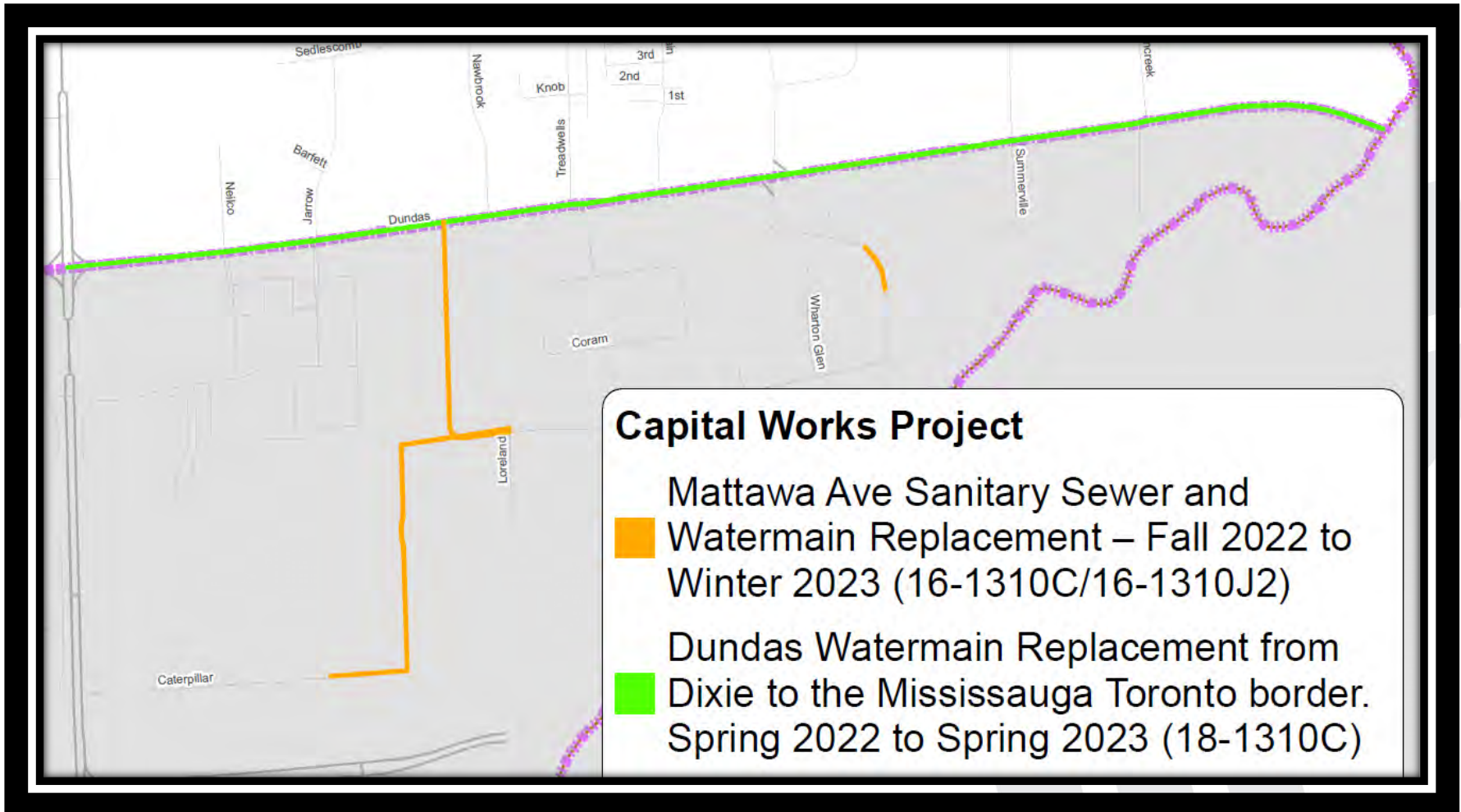
Dixie Road north of Bloor Street



Work commencing April 25, 2022
Construction duration approximately 8 weeks

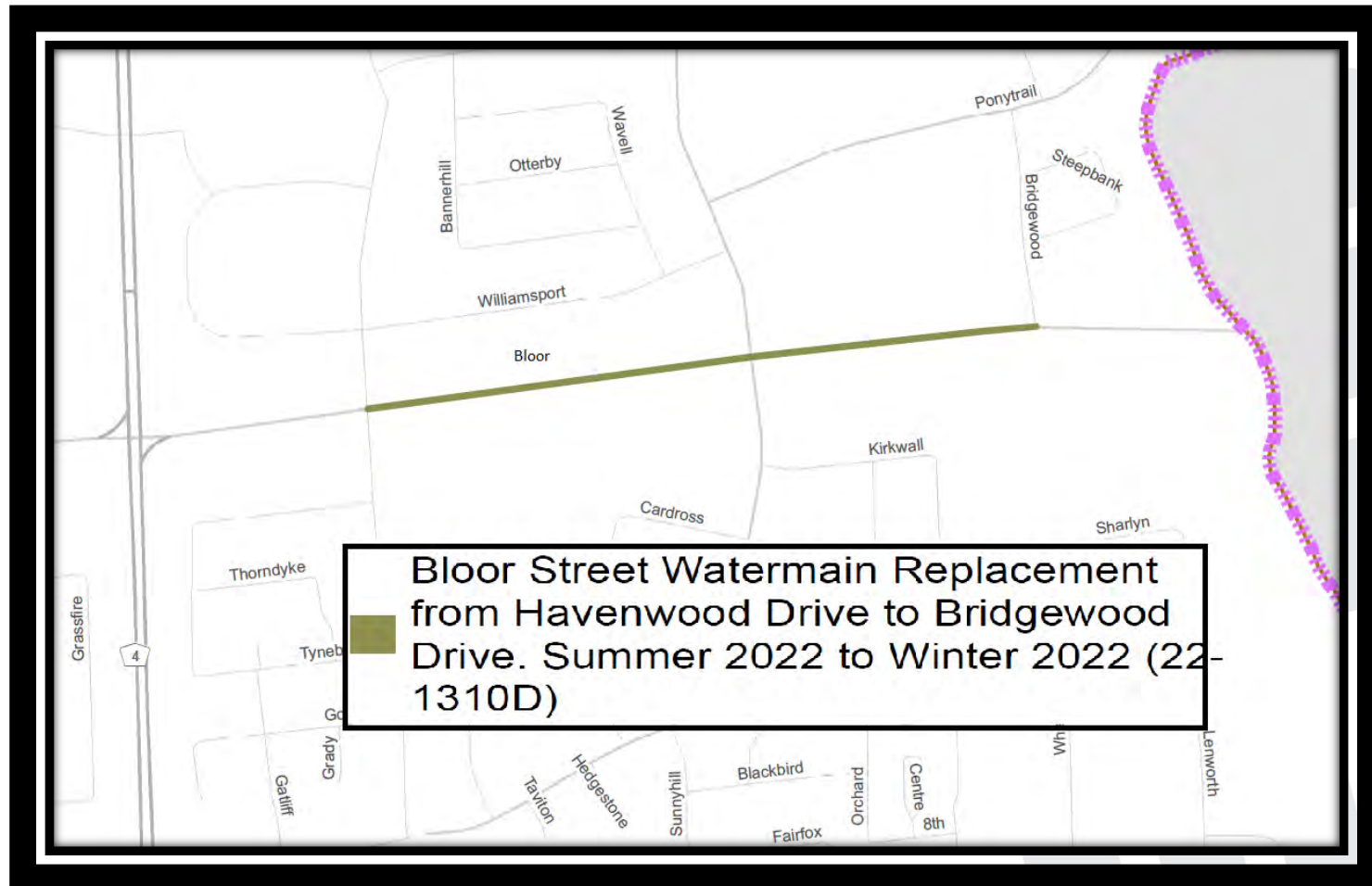
Local Watermain and Sanitary Sewer Works

(Construction to start in Spring)



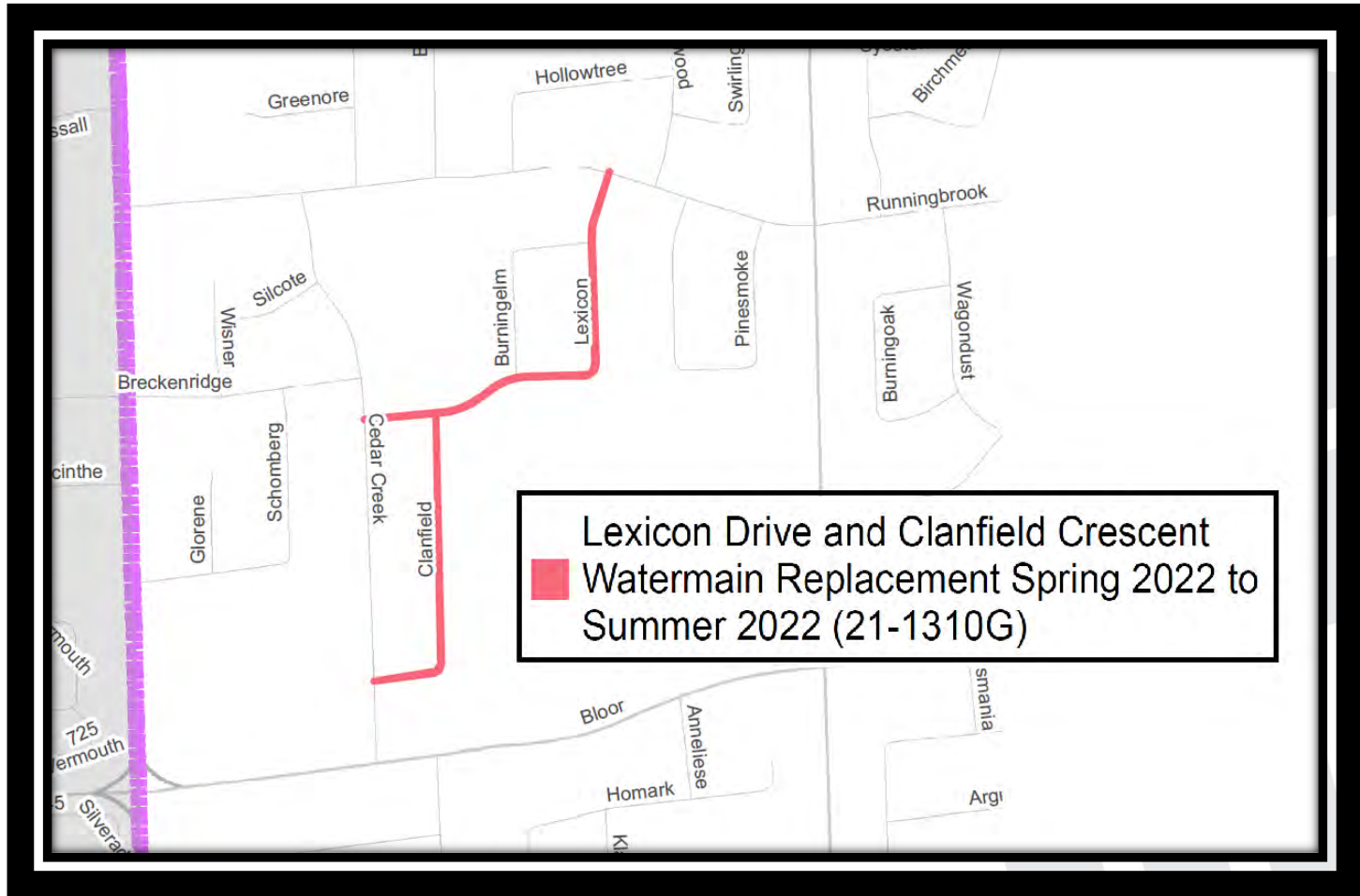
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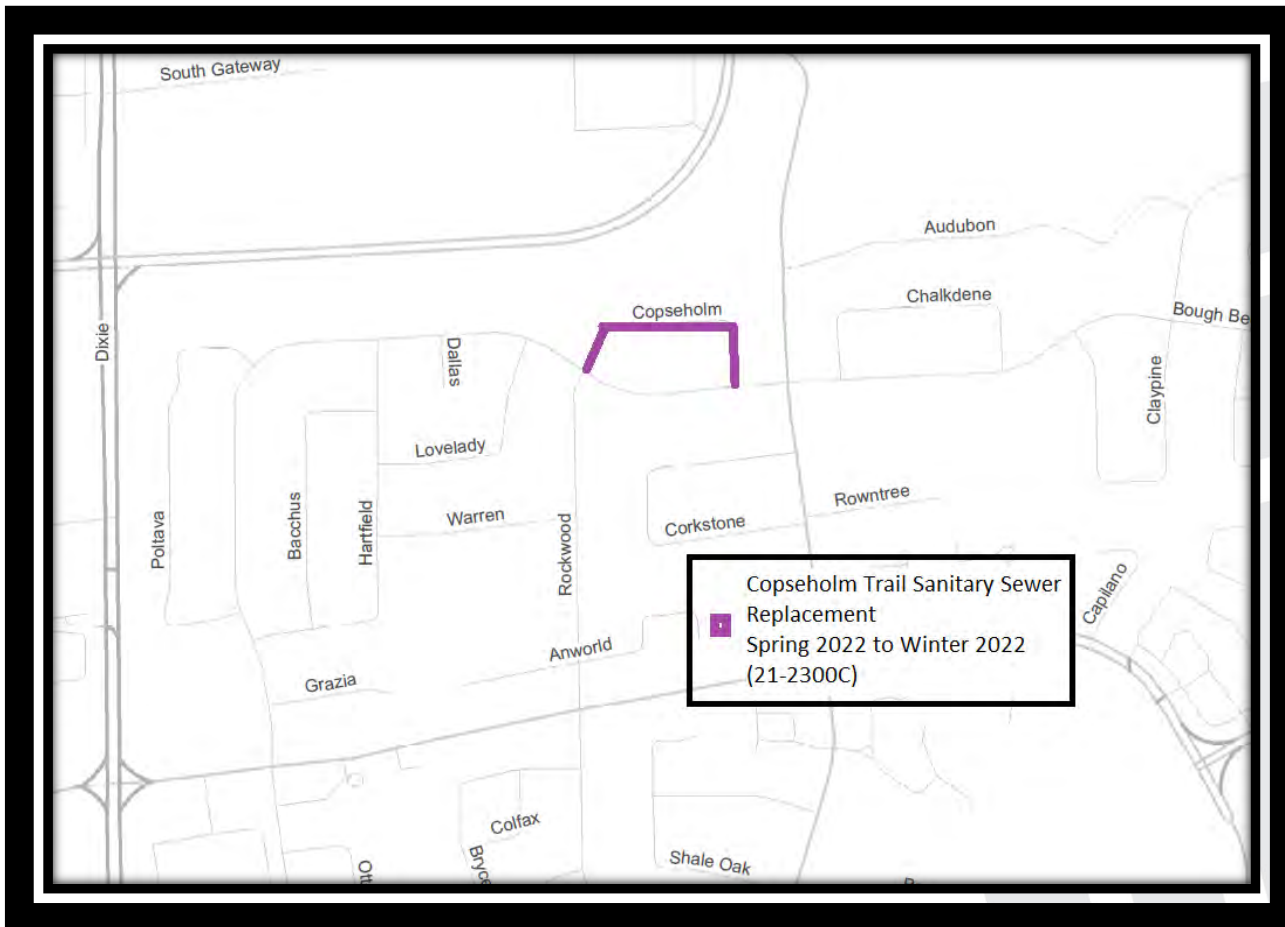
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Thank You

Questions?

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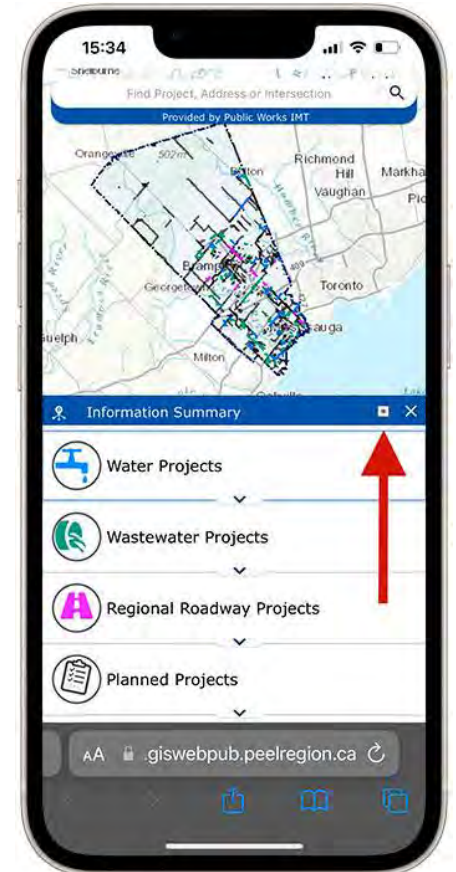
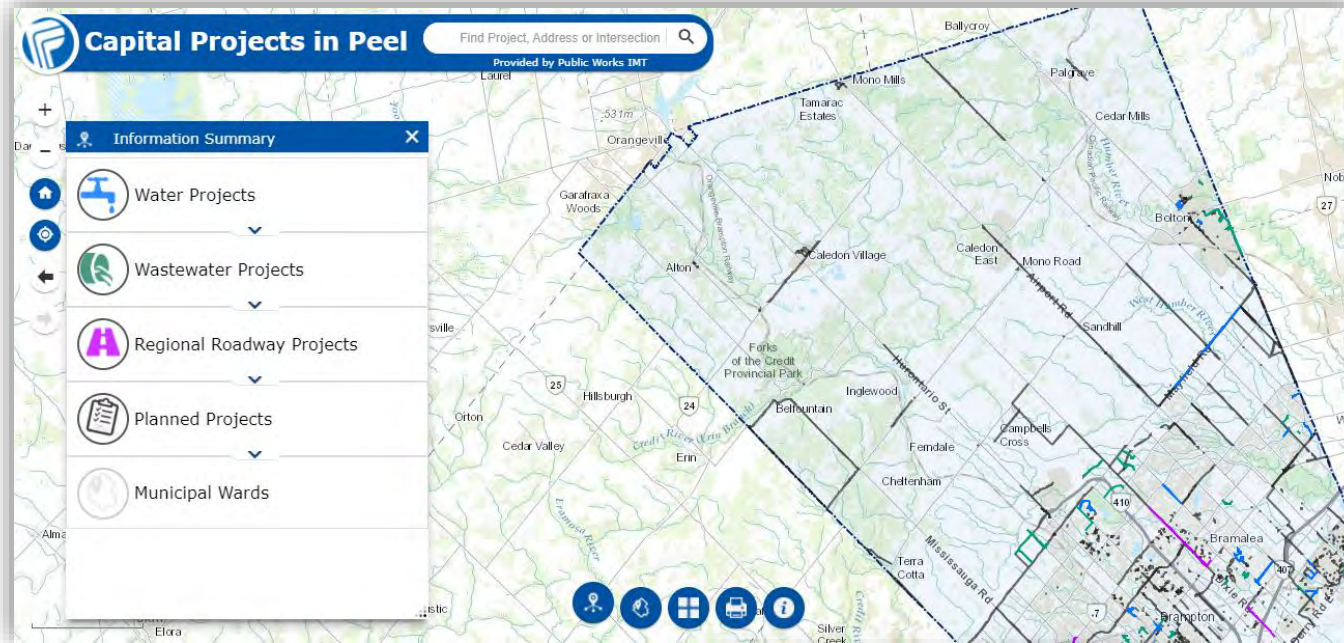
Darrin.Dodds@peelregion.ca

Communications and Digital Updates



Construction Projects in Peel (CPIP)

peelregion.ca/construction/



Watermain Replacement

Project Number: 18-1310 C
Description: Replacing the aging water pipe to improve the water system.

Proposed Start: Early 2022
Proposed End: Early 2023

Contact Name: Public Works
Contact Email: construction@peelregion.ca
Contact Phone: 905-791-7800 x 4409
Project Website: [Link](#)

Project information was last updated: 4/20/2022

[Zoom to](#)

Option to Sign-up For E-Notices

peelregion.ca/construction/

Emergency watermain repair on Dixie Road north of Bloor Street

Construction is starting the week of April 25, 2022.

The Region of Peel will be working in your neighborhood to complete emergency watermain repairs. Watermains are underground pipes that bring tap water from our water treatment plants to your neighbourhood.

Construction schedule

Construction is planned to begin during the week of April 25 and be completed by June 24, 2022.

Sign up for email notices

Receive timely project updates right to your inbox by signing up for e-notices at peelregion.ca/construction.

Construction process in Peel
Year-round construction is necessary to build new infrastructure and update and maintain Peel's sewers and roads.

Resources for contractors
Design guides, forms, and other resource materials for contractors and planners.

Current construction projects
Search current watermain, wastewater (sanitary sewer) and Regional road projects by location.

Environmental assessments
Environmental assessment's (EA) are completed when planning road improvements and facility expansions. See the current EAs that are in progress.

Sign up for email notices
Learn how you may be impacted by construction projects in your neighbourhood and receive project updates right to your inbox.

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Learn how you may be impacted by Regional construction projects in your neighbourhood and receive updates right to your inbox.

You will be notified of construction projects affecting the postal code you enter. To receive updates on projects outside your area, enter the construction project number below (found at peelregion.ca/construction).

We would appreciate hearing your feedback. If you consent to receiving a survey after your neighbourhood is affected by construction, check that box below.

* Email

* City

* Postal Code

* Address - Number

* Address - Street



Construction update: Paving reminder

A reminder that road crews will begin paving Edenwood Drive and Fullerton Crescent tomorrow (Friday, August 27th).

If your vehicle is currently parked on either street, please move it by 7 a.m. tomorrow.

We appreciate your co-operation during this time, and apologize in advance for any inconvenience:

- Please avoid parking on the street from 7 a.m. to 7 p.m. on August 27th to September 1st when the first phase of paving will occur.

Questions?

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