

Infrastructure, Transportation and Safety Sub-Committee

April 30, 2025

IS Update Regarding Capital Projects and General Operations

The following Infrastructure Services update on capital projects and general operations is an extension of the proposed key deliverables identified in the Engineering, Environmental, Public Works and Climate Divisions' respective annual workplans.

Studies

- Storm Model and Master Plan Update
 - Subject to budget approval, update to existing storm model and consolidation of all existing storm master plans and EA reports, climate change adaptation to be included.
- Sanitary Master Plan Update
 - RFP for consultant services awarded to Civica, work nearing completion.
 - New sanitary model to be used to update existing Sanitary Master Plan and incorporate all lands annexed since 2004.
 - Second Open House scheduled for April/May.

Capital Projects - Ongoing

- Albert Street Reconstruction 2023 Phase 1 – Waterloo to Front Street
 - Full reconstruction complete, with minor deficiencies and topcoat work scheduled for May/June.
- Concrete and Asphalt Restoration
 - Continuation of multi-year tender to replace damaged concrete sidewalk, curbs and asphalt road cuts, including restoration works.
- Albert Street Reconstruction Phase 2 – Front to King Street
 - Full reconstruction with new watermain, sanitary and storm sewers.
 - Design includes continuation of 'bicycle boulevard' and traffic calming.
 - Tender awarded to Van Bree Infrastructure at March 24 council meeting, construction anticipated to begin in May
- Asphalt Resurfacing 2024
 - Connecting Link project - funding granted for Erie Street from south of Ontario Street to West Gore Street. Tender awarded to Steve Smith Construction Corporation. Construction substantially complete with some restoration to be completed in the spring.
- Erie Street Active Transportation
 - Design includes a road diet and protected bike lanes. Working with MTO for approvals, but have not received a response yet.
- Pedestrian Crossing Improvements 2024
 - Pedestrian crossings at Waterloo Street / William Street, McCarthy Road West / Greenwood Drive.
 - Tender awarded to J-AAR Civil Infrastructures Limited, crossings to be operational by end of May.

- Downtown Intersection Improvements
 - Various intersection improvements to enhance pedestrian safety in accordance with the Downtown Traffic Study.
 - Designs being finalized: Church/Ontario/Huron; Waterloo/Ontario, Downie/George. This will include an evaluation of a potential pedestrian crossing near Huron Street Bridge.
 - Tender anticipated in May.
- Erie Street Parking Lot Repairs
 - Maintenance repairs for parking lot surface and drainage.
 - Tender awarded to Steve Smith Construction
 - Construction ongoing.
 - Redevelopment consideration see 'Special Projects' section below.

Capital Projects – 2025

- Avon and Avondale Reconstruction
 - Avon Street from Avondale to John, Avondale Street from the Cemetery bridge to Huron Street.
 - Full reconstruction with new watermains, sanitary and storm sewers.
 - Tender closing April 22, with award scheduled for May 12.
- Huron Street Reconstruction Phase 2 – John to Matilda
 - Subject to Connecting Link funding – waiting for notification if successful or not.
 - Full reconstruction with new watermains, sanitary and storm sewers.
 - Design being finalized.
- Erie Street Multi-Use Trail Rehabilitation– Lorne Avenue to the south
 - Full reconstruction of trail to replace existing trail that has deteriorated.
 - Tender closes mid May, and will also include new sidewalks on the east side of Erie Street from Lorne Ave south to connect to the existing sidewalk.
- Lorne and Downie Intersection
 - Intersection improvement to include left turn lanes on Lorne Avenue, in both directions.
 - Design ongoing, with tender planned for early summer.
- Asphalt Resurfacing 2025
 - Resurfacing for various streets – Regent Street, Britannia Street, Willow Street, provisional additional segments subject to budget approval and tender pricing.
 - Tender scheduled for May.
- O'Loane Avenue Trunk Sanitary Sewer Extension
 - Consulting services awarded to MTE Consultants in 2024 for the design and tender of the trunk sanitary sewer from its current terminus south of Huron Street, to approximately Galt Street, by micro-tunnelling.
 - Open house report to sub-committee April 30, with tender to be released shortly thereafter
- Pedestrian Crossing Improvements 2025

- Design ongoing for pedestrian crossings at Downie/George, Downie/West Gore, and West Gore/Mowat area.
 - Tender scheduled for summer 2025.
- Bridge and Culvert Repairs 2025
 - Tenders / quotations to be issued for concrete works on various structures, and erosion control works at various structures, anticipated for May.
- East Gore Watermain
 - Design ongoing for watermain looping on East Gore Street between Laurier Street and Borden Street.
- Watermain Relining
 - Design ongoing for watermain relining on Morrison Street, Neal Avenue and Fern Street.

Divisional Updates

Engineering Division Works

- Automated Speed Enforcement (ASE) report has been received by Council, staff are reviewing the terms of an agreement with a service provider for the pilot program.
- Red Light Enforcement will be considered upon effective delivery of ASE.
- Pavement Condition Assessment 2025 to be completed by GEI Consultants Canada Ltd, with data collection and final report complete by early July
- Review of development engineering plans and reports for various proposed subdivisions.
- Review of formal consultations, site plan applications, zone change applications, and various other planning matters.
- Inspection services for subdivision construction are ongoing.
- Municipal consents are ongoing, for the review and approval of utility infrastructure installation within the City's right-of-way.
- Supporting Corporate special projects, Grand Trunk Community Hub servicing, attainable housing, new industrial subdivision development.
- Advisory Staff committee representations provided for Accessibility, Active Transportation, and Energy and Environment.
- Compiling data for asset management initiatives.
- Survey and design ongoing for 2025 and future projects.

Environmental Services Operations Update: Water

- Spring fire hydrant flushing will begin this week. Communication through the City's social media channels has been used to notify the public.
- The Request for Quotation for a large purchase of Water Meters was posted and has closed as of April 11.
- The Request for Proposal for ladder and safety equipment upgrades to both water towers have been posted to Bids and Tenders.
- Several water service leaks and curb stop replacements have been completed throughout the City.

Environmental Services Operations Update: Wastewater

- Environmental Services staff responded to several calls for basement back-ups during the April 3 large rainfall and snowmelt event. Staff investigated numerous locations throughout the City of impacted residents. Further investigation is being conducted to determine the exact causes of these issues.

Environmental Services Operations Update: Stormwater

- Environmental Services and Public Works staff responded to multiple calls for road flooding and plugged catch basins due to the April 3 large rainfall and snow melt event. Several sections of roads were closed periodically until grating and inlets could be cleared of debris.
- Spring Stormwater Management Pond Inspections were completed by staff. Several small issues were noted and will be resolved both by in-house staff and contractors.

Environmental Services Operations Update: Water Pollution Control Plant

- Operations Staff at the WPCP observed bright green influent coming into the plant. Environmental Services staff opened several maintenance holes in the catchment area to determine the source. Due to the short duration in which the water was in the collection system, the exact source was not able to be found. Samples were collected from the influent water, and analysis of the green-coloured water suggested that this was green dye.
- A power failure at the WPCP caused issues in the main Lift Station. The maintenance electrician was called in to reset the sequence and main breaker on the Lift Station Storm pump to resolve the issue.

Public Works Operations Update: General and Road Maintenance

- Pothole Season – online submissions entered directly to Burnside.
- Asphalt plant will open 1st week of May.
- Planning 2025 repair season – now beginning manhole and catch basin repairs.
- Winter control debriefing session in the coming weeks.
- Several RFQs coming out.
- Shifts are now over – We have Midnight and Day shifts only.

Public Works Operations Update: Fleet

- 2024 2 new Hybrid Buses are on the road.
- Continuing with spring setup of equipment and PM maintenance.
- Several RFQ's are in the works.
- Status quo -Airport Fuel tanks are operational but not available for Public use due to some calibration needs and then finished landscaping in the spring.
- ATU negotiations started.

Public Works Operations Update: Waste Management

- Concrete crushing at landfill RFQ has been awarded to T.Musselman Excavating.
- Bin service at landfill for metal bin was awarded to AIM.
- Asphalt shingles has been awarded to Waste Management.
- Request for Proposal (RFP) for Waste Collection Services 2026-2033 is being developed, with release date anticipated in coming weeks.
- Updates to methane flare system PLC ongoing.
- Staff training on landfill gas well monitoring and balancing.
- First HHW event Saturday April 26, 9am-2pm.
- Transition to the new blue box program continues.

Climate Action Division

- Ongoing tracking and monitoring of City's emissions through Corporate Energy and Emissions Plan (CEEP) with a focus on fleet transition and building improvements. An annual report is being presented to ITS Subcommittee November 27, 2024, and further to Council for information and reference.
- Based on Council direction, Staff will be applying to the FCM GMF Climate-Ready Plans and Processes to help advance adaptation related efforts.
- Staff are working on identifying priority initiatives from the Community Climate Action Plan (CCAP) to commence within existing capacity and resources.
- Staff partaking in outreach and awareness initiatives around the CCAP including with the "Climate Conversations" series, with local organizations.
- A climate lens is being applied across municipal operations including but not limited to: OP review, planning applications, budget, procurement, etc.

Special Projects – Erie Street Parking Lot Redevelopment

Tentative Internal Workplan:

1. Resurface Erie Street Parking Lot - ongoing
2. Public Engagement (Spring/Summer 2025)
 - a. Survey's / Open House / Pop Up
3. Reflecting and Addressing Easements (2025-2027)
4. Environmental Assessment Review
 - a. Existing Study Review (Spring 2025)
 - b. Additional Studies to Residential Standard (TBD)
5. Downtown Parking Study (2026-2027)
6. Municipal Services Feasibility Study (Fall 2025)
7. Comprehensive Review and Report (2027)
8. Expression of Interest or Request for Proposal (TBD)

Project Updates:

- Resurfacing Tender Awarded, construction ongoing
- Review Existing Environmental Phase 1 and 2

- Completed. Results are promising in that minimal soil impacts appear to be present, however, historical standards no longer apply requiring that a Phase 1 and 2 be redone. Additional boreholes and sampling may be required if the intent is to change the site to a more sensitive use (e.g. residential). Changing the site to a more sensitive use would require a Record of Site Condition.
 - Next Step. Continue with further Environmental Investigations as required.
- Engaged Consultant for Phase 1 Environmental Assessment
 - Completed March 2025.
 - Additional sampling required to meet current regulations.
- Engage Consultant for Phase 2 Environmental Assessment
 - Receiving proposal for services.