

Infrastructure, Transportation and Safety Sub-Committee

IS Update Regarding Capital Projects and General Operations

February 2025

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.

Capital Projects - Ongoing

- Albert Street Reconstruction 2023 Phase 1 – Waterloo to Front Street
 - Full reconstruction complete, with topcoat remaining for 2025.
- Concrete and Asphalt Restoration
 - Continuation of multi-year tender to replace damaged concrete sidewalk, curbs and asphalt road cuts, including restoration works. Currently in winter shut-down.
- Albert Street Reconstruction Phase 2 – Front to King Street
 - Full reconstruction with new watermains, sanitary and storm sewers.
 - Design includes continuation of 'bicycle boulevard' and traffic calming.
 - Tender closing on March 4, with award scheduled for the end of March.
- 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 sidewalk and restoration to be completed early spring.
- Erie Street Active Transportation
 - Design being finalized for road diet and protected bike lanes, working with MTO for approvals, Council report for information on next steps to follow.
- 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 in the spring 2025.
- 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. This will include an evaluation of a potential pedestrian crossing near Huron Street Bridge.
- Tender anticipated in the spring.
- Erie Street Parking Lot Repairs
 - Maintenance repairs for parking lot surface and drainage.
 - Tender awarded to Steve Smith Construction for spring construction.
 - 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.
 - Report to Sub-committee February 26, with tender scheduled for March.
- Huron Street Reconstruction Phase 2 – John to Matilda
 - Subject to Connecting Link funding.
 - 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.
 - Proposed tender in spring/summer 2025.
- Lorne and Downie Intersection
 - Intersection improvement to include left turn lanes on Lorne Avenue, in both directions.
 - Design ongoing, with tender planned for the spring.
- Asphalt Resurfacing 2025
 - Resurfacing for various streets – Regent Street, Britannia Street, Willow Street, provisional additional segments subject to budget approval and tender pricing.
 - Proposed tender scheduled for late spring.
- 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 scheduled for early spring, with tendering shortly after

Divisional Updates

Engineering Division Works

- Automated Speed Enforcement (ASE) report has been received by Council, staff are working on the terms of an agreement with a service provider for the pilot program.
- Red Light Enforcement will be considered upon effective delivery of ASE.

- 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

- Watermain breaks repairs continuing throughout the city. Total watermain breaks so far in 2025 is 16.
- A Request for Quotation is currently being finalized for a large purchase of Water Meters as part of the Water Meter Replacement Program throughout the City.
- A Request for Proposal has been finalized for work to be completed on both Water Towers to Update Ladder and safety equipment within.

Environmental Services Operations Update: Wastewater

- Confined Space Assessments were completed by Operations Staff at all Wastewater Collection Pumping Stations

Environmental Services Operations Update: Stormwater

- Environmental Services staff were notified that a local Industry partner had a spill of Carbon Black on January 30th, 2025. Contaminated slush and snow from tracking of carbon black powder was dispersed throughout the vicinity by traffic. City forces removed black snow and slush from boulevards and sidewalks with loader and dump truck. Snow was removed from their parking lots. A City Vac Truck was used to remove snow/slush near catch basin. All documentation was submitted to ministry Spills Action Centre and invoices were staff resources were issued.

Environmental Services Operations Update: Water Pollution Control Plant

- A spill from the secondary digester occurred on February 17th, 2025, requiring hydrovac trucks to be called in to remediate the area. Spills Action Centre was notified. All sludge from the spill was contained on site and has been removed.

Public Works Operations Update: General and Road Maintenance

- Winter 2024/2025 has been busy - <10days spent on non-winter related activities daily since Dec 6th
- Snowbank response to Portal submissions ...

“Thank you for using the portal to report the issue. We are currently experiencing continuous snowfall, and unfortunately, there has been no reprieve. Our team is working hard to stay on top of street clearing, but once we have caught up with the primary streets, we will shift focus to core and arterial roads for removal. We are evaluating side streets daily and understand that sightlines are a concern. Rest assured; we will address them as soon as it becomes practical to do so. The concerns are city wide and are not limited to specific areas.

Thank you for your patience and understanding.”

- We have started clearing corners for sightline concerns of all Priority One streets with a loader this morning as we are caught up with our Servicing commitments.
- Winter control tailgates everyday with reviews of mapping and Service.
- City Winter Contractors have been used several times for downtown snow removal and other areas to support service.
- Illness has been a continuous challenge in Operations, but the remaining staff have stepped up to ensure services are maintained.
- Legislated maximum CVOR operator Hours of Service has been a concern over the past 2 weeks as 11 staff have exceeded or are nearing their limit.
- Winter maintenance budget expected to be exceed in 2025.

Public Works Operations Update: Fleet

- 2024 2 new Hybrid Buses have arrived and being setup for use, training was postponed due to weather until March 11-13th, but all other preparations are being done in advance
- Winter fleet repairs are steady due to all the snow and up and down weather
- Transit New bus wash construction is underway March 10th
- Airport Fuel tanks are still being worked on faulty parts are holding it up for completion
- Monitoring ministry regulated Commercial Vehicle Operator's Registration (CVOR) program to ensure good compliance
- Budget passed, preparing for Tenders

Public Works Operations Update: Waste Management

- Concrete crushing at landfill RFQ (notification to council February 24), work anticipated for early spring

- Bin service at landfill, some extensions and some RFQ (notification to council February 24), new and renewed contracts expected for May 1 2025
- February has been an active month for community engagement, with 3 school presentations and 2 other public speaking engagements focused on city waste and diversion programs
- 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 (Spring 2025)
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 (January 13, 2025)
- 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
 - Completion Anticipated April 2025.