

Infrastructure, Transportation and Safety Sub-Committee

IS Update Regarding Capital Projects and General Operations

January 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.
 - Open house in 2024, report to ITS sub-committee January 29, 2025, proposed tender in spring 2025.
- 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.
- Sewer Relining
 - Various sewers to be rehabilitated by relining.
 - Tender awarded to Clearwater Structures Inc., construction scheduled to be complete by end of January 2025.
- 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 – subject to budget approval

- 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.
 - Open house January 17-31, proposed tender in spring 2025.
- 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) Staff are bring a report scheduled for January 29 ITS Subcommittee meeting recommending 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

- Bulk Water Station installation completed and powered. Training and software installation to be completed in next few weeks. This will enable an increase the number of vendors being able to be provided bulk water for commercial uses.
- Watermain break repairs continuing. Total watermain breaks in 2024 were 25. To date there have been 8 in January
- New water and wastewater rates approved in December 2024 and are now in effect.

Environmental Services Operations Update: Wastewater

- New Taylor Street pumping station generator is being commissioned.
- Emergency sanitary service replacement installed for 622 Downie Street

Environmental Services Operations Update: Stormwater

- Foam event from our storm outlet into the Avon River - CCTV work was completed by CT Environmental to look for illegal connections or signs of foam in main storm pipe to the Ditch Outfall. There were no abnormal connections or substances observed. Flushing of the storm system will continue to isolate sections of the storm system that may be causing the foaming issues.
- UTRCA on site on January 15, 2025 to remove the south gate of the Orr Dam. The gate will be restored and reinstalled at a later date.

Environmental Services Operations Update: Water Pollution Control Plant

- Digester Roof Update- Awaiting response from Insurance adjusters to determine replacement or repair costs.
- Filter #3 back in service after valve replacement and surface wash arm repaired.

Public Works Operations Update: General and Road Maintenance

- Winter 2024/2025 has been busy - <10days spent on non-winter related activities daily – continuous snow flurries resulting in several resets of our Winter Response plan.
- 1556 metric tonnes of salt used (\$122,643) from December to present.
- Winter control tailgates and reminder about winter treatment around railroad tracks.
- City Winter Contractors have been used once for downtown snow removal – we are looking at another cleaning of core then some heavy streets.
- Special events – LOS and Winterfest have been difficult with the winter weather we have been experiencing.

Public Works Operations Update: Fleet

- 2024 - 2 new Hybrid Buses have arrived and being setup for use, training scheduled for Feb 18th, but all other preparations are being done in advance
- Winter fleet repairs are steady due to all the snow and up and down weather
- Winter shift underway in PW garage working well
- Transit New bus wash construction is scheduled to be installed Feb 3rd
- Airport Fuel tanks are still being worked on - faulty parts are holding it up for completion
- Insurance renewal is completed, and the 2025 paperwork has been distributed to all units

Public Works Operations Update: Waste Management

- New Bag Tag fees have come into effect January 1. An increase from \$3.75 to \$3.86
- 2025 Landfill fees have also increased, tip fee increase from \$93.10/MT to \$94.00/MT.
- Extended Producer Responsibility (blue box program) update: staff have been working on a management report for council regarding a decision to continue service, or not, for entities not included in the new blue box program. This would impact businesses, municipal buildings, churches, etc. starting January 1, 2026.
- Staff are currently working on Concrete Crushing tender and landfill Bin Service extension letters/request for proposals.

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.