

Infrastructure, Transportation and Safety Sub-Committee

IS Update Regarding Capital Projects and General Operations

November, 2024

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

- 5-Year Water/Wastewater Rate Study
 - Presented to Council November 25.
- 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 ongoing.
 - 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 with new watermains, sanitary and storm sewers.
 - Design includes implementation of 'bicycle boulevard' and traffic calming.
 - Tender awarded to Birnam Excavation, some topcoat in 2025 remaining.
- Concrete and Asphalt Restoration
 - Continuation of multi-year tender to replace damaged concrete sidewalk, curbs and asphalt road cuts, including restoration works.

Capital Projects – 2024

- 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, 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 mainly complete with some sidewalk and restoration ongoing.
 - Resurfacing of various streets – Devon Street, Greenwood Drive, West Gore west of John Street. Tender awarded to GIP Paving Inc. Construction complete, minor restoration ongoing.

- 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
 - 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
- 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.
- Kenner Crescent Watermain Relining
 - Rehabilitation of deteriorated watermain by relining.
 - Tender awarded to Fer Pal Construction Ltd., construction completed.
- Sewer Relining
 - Various sewers to be rehabilitated by relining.
 - Tender awarded to Clearwater Structures Inc., construction ongoing.
- Moderwell Street Local Improvement
 - Reconstruction of road with curb and gutter, some new watermain.
 - Local improvement process to be utilized.
 - Tender awarded to Birnam Excavating Ltd., construction complete.
- Perth Line 36 Culvert Replacement
 - Tender awarded to Lavis Contracting Co. Limited
 - Construction complete, minor restoration ongoing.
- Neal-Glendon Walkway Watermain Replacement
 - Installation of new watermain by directional drilling within the walkway between Neal Avenue and Glendon Road, to replace the existing watermain located on private property.
 - Tender awarded to Birnam Excavating Ltd, construction ongoing.
- Sidewalk Projects 2024
 - Sidewalk installation for portions of St. Vincent Street South between Cambria and West Gore, and Forman Avenue between Huron and Hibernia.
 - Tender awarded to Chad Hartman Construction, construction complete.
- Oakdale Multi-use Trail
 - Multi-use trail between O'Loane and Forman Ave, one of the quick start priority projects from the Transportation Master Plan.
 - Tender awarded to Brantco Construction, construction complete.
- Erie Street Parking Lot Repairs
 - Maintenance repairs for parking lot surface and drainage.
 - Tender closes December 18, 2024 for spring construction.
- O'Loane Avenue Trunk Sanitary Sewer Extension
 - Consulting services awarded to MTE Consultants 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.

Divisional Updates

Engineering Division Works

- Automated Speed Enforcement, Red Light Enforcement – staff are reviewing new services becoming available, possible pilot programs, and their associated requirements. Report tentatively scheduled for December 16 council meeting
- 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 project.
- Survey and design ongoing for 2024 and future projects.

Environmental Services Operations Update: Water

- Bulk Water Station installation completed and powered. Waiting for IT to bring ethernet to the equipment to fully commission
- Watermain breaks repaired on both Normandy and Rankin.
- Several water service repairs completed throughout the city (Rutherford, St. David)
- DFA Infrastructure Inc attended Regular Council meeting on November 25th to present the Water and Wastewater Rate Study to council.
- Water Sample Station locates received- Installation scheduled, weather pending
- Water service repair on Charles Street scheduled for November 27

Environmental Services Operations Update: Wastewater

- Taylor Street Generator has been installed, lagged down, and had TSSA on site for the inspection. The generator will be commissioned in the upcoming weeks.
- New Storm and Sanitary Services installed for 161 Nelson and
- New Sanitary Service installed for 292 Glastonbury
- Sinkhole discovered at the approach to 615 Erie Street. A Wightman fibre line had been directionally drilled through the storm lead. A spot repair was completed by Environmental Services Staff.
- New Wastewater Pump installation at Devon Street Pumping Station being scheduled.

Environmental Services Operations Update: Stormwater

- Meeting with Upper Thames River Conservation Authority (UTRCA) and representatives from the Energy & Environment Advisory Committee to discuss plan for spraying invasive plants in 2025. Areas will be identified using GIS mapping to priority and plan of action.
- Meeting with UTRCA to discuss Draft Budget for 2025 and any associated increase to the Levy
- Ditching on Hislop Drain on Corcoran Street was completed to remove obstructions both upstream and downstream of the culvert.

Environmental Services Operations Update: Water Pollution Control Plant

- Annual Fall Sludge Hauling ongoing. Should be completed by end of week.
- Several valves within the secondary digester are scheduled to be replaced while the secondary digester has been emptied for sludge hauling.

Public Works Operations Update: General and Road Maintenance

- Winter control meetings completed by all Staff
- Included Smart About Salt – Winter Salt Management (over 4hours of training)
- City Winter Contractors have been contacted and are prepped
- Citywide sweeping operations running again in response to autumn conditions.
- Special events – signage setups / takedowns still very busy.
- PWD decorating Parade of Lights Float again and now Holiday Tree at Tom Patterson Theatre to help reduce costs of event.
- Off Season Projects – to help reduce costs Daycare (removal and disposal of playground equipment)

Public Works Operations Update: Fleet

- 2024 6 pickups have arrived and operational
- 2 new sidewalk units have arrived and operational
- Used units have been sold off on Govdeals – 9 in total with another 4 getting decommissioned
- Winter fleet preparations are 85% in all departments, units that are left are still in fall operational needs.
- Winter shift underway in PW garage

Public Works Operations Update: Waste Management

- Household hazardous waste events set for 2025, there will be four events hosted at the landfill.
- Blue box transition continues with more surveys and information sent to support the transition January 1, 2026.
- 2025 Waste Calendar is on schedule and will be distributed in December.
- Leaf and yard waste has slowed at the landfill, with this week being the final week of curbside pickup.
- Routine maintenance at the landfill such as scale calibrations and methane flare preventative maintenance.
- Supervisor will be notifying bag tag vendors as well as account holders beginning of December about the waste rate increases for 2025.

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.