

Infrastructure, Transportation and Safety Sub-Committee

IS Update Regarding Capital Projects and General Operations

September, 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
 - Proposal awarded to DFA Consulting, currently in data collection stage.
 - Annual rate report anticipated Fall 2024.
- 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.
 - Second open house to be scheduled in October 2024.

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, minor restoration in 2024, some topcoat in 2025 remaining.
- Sidewalk Projects 2023
 - Sidewalk installed on McCarthy Road West, McCarthy Road East at Mornington, O'Loane between Brown and Thomas.
- 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 and tender scheduled for 2024, spring 2025 construction.

- 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 ongoing.
 - Resurfacing of various streets – Devon Street, Greenwood Drive, West Gore west of John Street. Tender awarded to GIP Paving Inc. Construction 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
 - Tender for crossings at Waterloo Street / William Street, McCarthy Road West / Greenwood Drive scheduled to be awarded early October.
- 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 substantially complete, minor restoration ongoing.
- Perth Line 36 Culvert Replacement
 - Tender to be awarded July 22, construction 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 scheduled for October.
- 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 scheduled for October.

- Erie Street Parking Lot Repairs
 - Maintenance repairs for parking lot surface and drainage.
 - Tender and plans being finalized.
- 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.
- Completion of Huron Street road diet (line painting only) between John Street and Matilda Street complete.
- 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

- Fall Flushing has started- Utilizing social media to communicate with public where flushing is occurring.
- Valve repairs on Arthur/Princess and Erie Street.
- Watermain breaks so far in 2024 = **21**.

Environmental Services Operations Update: Wastewater

- Second Maintenance Hole Structure Installed on Regent Street as part of the Sanitary Relining Project.
- Continue with using SL Rat sanitary acoustic equipment in sanitary system.
- Rain Drain Inc. on site to epoxy/seal Maintenance Hole on Erie Street.

Environmental Services Operations Update: Stormwater

- August 27- Staff completed spot repair on storm lead at 134 Louise St. due to directional drilling for fibre infrastructure.
- September 11- Staff completed spot repair on storm lead at Linton and Jarvis due to directional drilling for fibre infrastructure.
- Catch Basin and Maintenance Hole Resets and Rebuilds continuing (Centre St., Willow St., etc.).
- Storm System Flushing (B30 Catchment currently).

Environmental Services Operations Update: Water Pollution Control Plant

- Odour complaints received starting September 2nd due to Sewer/Gas odours. It was determined that Aeration Tank maintenance, and biosolids that were left in a Primar Clarifier, leading to odours in the surrounding residents. The biosolids were pumped out and the Clarifier was cleaned by the following Tuesday September 10.
- Digester Roof Failure- Internal/External roof cleaning complete - Assessment the structural steel loss over the entire roof is occurring now. The engineering firm will finalize the report of the roof after this work is completed.

Public Works Operations Update: General and Road Maintenance

- Using new grinder attachment for skin asphalt patching to help.
- Most street line/arrow painting has been completed.
- Completed ATAC Committee's sidewalk painting (school zones).
- Citywide sweeping operations starting again in response to autumn conditions.
- Special events – signage setups / takedowns still very busy.
- Extra Core garbage pickups due to nice weather and occurrence of Special Events.
- Retro reflectivity inspection completed and starting replacement as soon as sign order arrives.
- Winter sand stocking this week (200 tonnes of pickled sand) used on sidewalks priority three streets and is a contingency for emergencies and during Storm Events.
- Salt and Salt Brine is stocked.
- Half Mask Fit Testing is started and half the Team is completed.

Public Works Operations Update: Fleet

- Issued PO for two new sidewalk machines and attachments early November.
- Issued Tractor/loader/backhoe for Parks Division. Delivered and operational.
- Working on RFQ for new Transit Bus Wash System. Management report to council Sept 23.
- The new provincial MVIS Drive ON vehicle inspection stations Approved and both locations are operational.

- Fire has been using PWD services increasing number of repairs.
- All 2023 vehicles have arrived and operational, 2024 SUV's have arrived and operational, Eta for 6 pickups mid to end of Oct delivery.
- PO issued for new Forestry Truck and Chipper no ETA as of yet.
- PO issued for new Water Department backhoe ETA end of Oct early November.
- Fleet Oiling of vehicles and equipment are underway.
- October is Fleet licensing.
- Worked with Fire Department and a PO issued for new Quinte Fire Truck.
- Winter fleet preparations started.

Public Works Operations Update: Waste Management

- Compost is available to residents for pickup.
- HHW event Sept was a success with over 400 cars.
- Extra bird control requested by neighbour SST – extra cover and control measures in effect.
- Grindings from City Projects being sued on Landfill Roads and access areas.

Climate Action Division

- Community Climate Action Plan (CCAP) endorsed by Council August 12, 2024. An accessible version is available for viewing on the City's Climate Action website. Staff identifying priority programs to initiate within 2025 workplan, with existing resources.
- Staff partaking in outreach and awareness initiatives around the CCAP starting with the "Climate Conversations" series, with local organizations.
- 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 created for information and is anticipated to be presented to Council in Q4, 2024.
- Budget process underway with the application of a 'climate lens' at each step of the process, aimed to seek efficiencies and consider sustainable options as available. Climate Action Division has created tools for estimating emissions and cost impacts of capital projects (for example building retrofits, fleet upgrades and replacement, other purchases) to support management staff for their budget documents, and to inform Council.