

# Infrastructure, Transportation and Safety Sub-Committee

## IS Update Regarding Capital Projects and General Operations

October, 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 November 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, 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 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
  - Pedestrian crossings at Waterloo Street / William Street, McCarthy Road West / Greenwood Drive
  - Tender awarded to J-AAR Civil Infrastructures Limited, scheduled to be completed by end of November.
- 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 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 ongoing.
- 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 hydrant flushing is completed.
- Valve repair on Ontario Street at Trow.
- Watermain break on Wooton Court. Repaired immediately.
- Water Sample Station- locates requested- Installation within the next few weeks.

### Environmental Services Operations Update: Wastewater

- Maintenance Hole Structure Installed on Cooper Street as a part of the Sanitary Relining Project.
- HSA- New Storm Services installed for 71 Wellington and 43 Marketplace.
- Continue with using SL Rat sanitary acoustic equipment in sanitary system.
- Taylor Street Pumping Station Generator Installation- Concrete pad poured- October 29<sup>th</sup> delivery of Generator- Electrical hook up to be scheduled

### Environmental Services Operations Update: Stormwater

- Environmental Services staff responded to a spill at 341 Lorne Ave in the east bound lane. Truck lost approximately 25-40 litres of hydraulic fluid on the roadway and into the mouth of the entrance. Absorbent applied to the area upon arrival. There was no apparent impact to the environment. A Street Sweeper

was dispatched to clean the road. Police on site to close the east bound lane until the spill is cleaned up.

- Catch Basin and Maintenance Hole Resets and Rebuilds continuing (Ontario Street, Waterloo St., etc.).

#### Environmental Services Operations Update: Water Pollution Control Plant

- Digester Roof Failure- Draft Report from CIMA+ was received on October 17, 2024. The Draft Report is suggesting that extensive work needs to be completed on the roof before putting the digester back into service.

#### Public Works Operations Update: General and Road Maintenance

- McCarthy – grinder use to repair bad sections.
- Retro reflectivity is almost completed.
- Helped ATAC committee with drawings for stronger stencils – Council decision in future to purchase
- Citywide sweeping operations running again in response to autumn conditions.
- Special events – signage setups / takedowns still very busy.
- Smart Parking completed for what can be done – Erie Lot outstanding
- Winter sand stocking completed (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.
- We need to look at washbay to deal with equipment issues – like FD truck

#### Public Works Operations Update: Fleet

- 2024 6 pickups have arrived (2 more today/tomorrow)
- Ownership renewal complete
- Fleet Oiling of vehicles and equipment is completed
- Winter fleet preparations are well underway.
- We need to look at washbay to deal with equipment issues – like FD truck

#### Public Works Operations Update: Waste Management

- HHW event October 26 was a success with approximately 425 cars and 17,000kg of material diverted from landfill.
- Large volumes of leaf and yard waste are coming to landfill through curbside program and drop-off. Operators are busy moving and composting the material.
- Green Bin pilot with Al Fresco at Marketplace Square ended September 30.
- Blue box transition continues with surveys sent regarding our public space recycling receptacles in downtown and parks. Options on how to manage non-eligible (i.e business) recycling after January 1, 2026 continues.
- 2025 Waste Calendar in progress, final draft expected by end of October.

## Climate Action Division

- Staff 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 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.
- A climate lens has been applied across all 2025 budget documents. This process has been in place to evaluate sustainable options for city-wide operations, and understand their cost and emissions implications.