

Infrastructure, Transportation and Safety Sub-Committee

IS Update Regarding Capital Projects and General Operations

April 24, 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

- Transportation Master Plan
 - The Transportation Master Plan was adopted at the November 14, 2023 Council meeting. Staff are working on developing policies recommended by the Plan, to bring to Council in the following months.
- Storm Model and Master Plan Update
 - RFP for consultant services is being prepared.
 - 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 in accordance with new Transportation Master Plan recommendations.
 - Tender awarded to Birnam Excavation, construction ongoing.
- Sidewalk Projects 2023
 - Sidewalk installation for proposed portions of McCarthy Road West, McCarthy Road East at Mornington, O'Loane between Brown and Thomas.
 - Tender awarded to Autoform Contracting London Limited, for spring 2024 construction start.
- 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 implementation of 'bicycle boulevard' and traffic calming.
 - Open house being prepared for May.

- Asphalt Resurfacing 2024
 - Connecting Link funding – Connecting Link funding granted for Erie Street from south of Ontario Street to West Gore Street.
 - Resurfacing of various streets – Devon Street plus possible additional sections.
 - Erie Street tender closes May 8, for award May 28. Devon Street tender scheduled for early May.
- 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
 - Design of various crossings including Mornington Street / Princess Street, Waterloo Street / William Street, McCarthy Road West / Greenwood Drive.
- 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
 - Tender scheduled for June/July.
- Watermain Relining
 - Rehabilitation of deteriorated watermain by relining - Kenner Crescent is the 2024 target area.
 - Tender awarded to Fer Pal Construction Ltd.
- Sewer Relining
 - Camera inspections completed and being reviewed - candidates are currently being compiled for rehabilitation of deteriorated storm and sanitary sewer mains by relining.
 - Tender scheduled for May 2024.
- Moderwell Street Local Improvement
 - Reconstruction of road with curb and gutter, some new watermain.
 - Local improvement process to be utilized.
 - Open House held February 20, 2024, ITS Sub-committee on March 27.
 - Tender closes May 10 for award May 28.
- Perth Line 36 Culvert Replacement
 - Design ongoing, tender scheduled for May.
- Neal-Glendon Walkway Watermain Replacement
 - Installation of new watermain by directional drilling within the walkway between Neal Aven and Glendon Road, to replace the existing watermain located on private property.
 - Tender scheduled for late April/ early May.
- 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 to be awarded May 13.

Divisional Updates

Engineering Division Works

- Automated Speed Enforcement – staff are reviewing new automated speed enforcement services becoming available, possible pilot programs, and their associated requirements.
- Red Light Enforcement – staff have started investigating service options.
- Completion of Huron Street road diet (line painting only) between John Street and Matilda Street being finalized for spring implementation
- 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.
- Request for Proposals being finalized for the O'Loane Avenue Trunk Sanitary Sewer Extension Consulting Services.

Environmental Services Operations Update: Water

- Watermain breaks so far in 2024 = **17**.
- Spring flushing is about 50% completed.
- Fobs recently installed at all water sites.
- Dunn Rd. well rehabilitation in progress – emergency replacement of well pump, motor and check valve required.
- Water tower external cleaning to take place in the next couple of weeks.

Environmental Services Operations Update: Wastewater

- New permanent general for the Taylor St. Pumping Station is now on Bids and Tenders.

Environmental Services Operations Update: Stormwater

- Several logs jammed the north gate of the Orr Dam which caused water levels to drop to winter levels. Levels will rise to normal as we get more rain this week.
- Spring inspections for SWM Ponds, ditch inlet and storm outfalls began this week.

Environmental Services Operations Update: Water Pollution Control Plant

- Annual Report for the WPCP will be part of the April 24th ITS Sub-committee agenda.

Public Works Operations Update: General and Road Maintenance

- We have started 2nd round sweeping operations.
- Pothole patrol and repair is still occurring daily.
- Pothole maintenance at Public Works yard being completed.
- Sign replacements continue – retro reflectivity tender to be awarded.
- Annual Luminaire Inspection – completed and submitting to FH – approx. 80 lights.
- Core Garbage audit continues. 10 receptacles have been noted for being a hot spot.
- Crack Sealing tender closes April 26 for award in May.

Public Works Operations Update: Fleet

- We continue to experience a shortage of vehicles/trucks for daily tasks due to age of fleet and condition of older ones.

Public Works Operations Update: Waste Management

- A request to Council to renew Source Separated Organics processing contract will be coming to the Council committee.
- Public Works is finalizing details for household hazardous waste events to be held more frequently out of Landfill, with a report coming to ITS sub-committee for information. First Date April 27th at the landfill site along with Photech.
- Some work required prior to the first event. Planning and preparation stage now.
- Core Garbage audit continues. Valuable data being recorded and noted.
- Compost turning has been maintained at the landfill to ensure we have ample materials available for the public this spring.

Climate Action Division

- Green Recognition Program 2024 has concluded. Applications under review.
- Community Climate Action Plan (CCAP) currently under development.
- Staff continues to support interdepartmental teams in incorporating a climate lens through operations.