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Meeting Date: September 24, 2020
File No.:



To: Chair and Members
Lambton Area Water Supply System Joint Board of Management

From: Clinton Harper
General Manager

Subject: Information Reports (September 24, 2020)

Recommendation

That the LAWSS Joint Board of Management receive the following as information.

Items:

1. LAWSS Flag Plaza Signage

The Rotary Club of Sarnia manages the sale and installation of custom bricks installed at the Flag Plaza located off Fort St. on the St. Clair River. The bricks are part of the walking surface of the LAWSS waterfront pedestrian facility and are often engraved with names of family and friends as memorial. In light of recent events, the Rotary Club of Sarnia is working with LAWSS to develop and install discrete signage that discourages patrons from leaving monuments along on the walking surface of the flag plaza. Once the signage has been installed, the monuments will be automatically relocated to adjacent edging stones and out of the walking area.

2. Project List – Engineering Services for the Generator Project

In 2017, \$250,000 was budgeted for engineering services related to the generator replacement project. Beginning in 2020, this amount was incorrectly presented as \$150,000 on the Project List Report. To rectify the error the Project List Report has been changed from \$150,000 to \$250,000 for this item to represent the original budget approval in 2017. This change has no financial implications as this money was already budgeted and received in previous years.

3. Watermain Condition Assessment Approach and Prioritization Study

At staff's recommendation, the LAWSS Joint Board of Management approved \$35,000 in 2020 for an Engineering Study aimed at developing a prioritization plan for watermain condition assessments going forward. LAWSS approached OCWA Engineering group with a request to quote this work. In February 2020, OCWA was awarded the project and

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began work. The project is nearing completion and will feed into the upcoming LAWSS Asset Management Plan that is scheduled for update in 2021.

4. WLPS – 36” dia. BPS Valve Replacement Project

At staff’s recommendation, the LAWSS Joint Board of Management awarded Dielco Industrial Contractor Ltd. with a project to complete work at the West Lambton Pumping Station to address an issue with an existing 36” back pressure sustaining valve. OCWA Engineering group is providing project management and is coordinating with OCWA-LAWSS to execute this project. Work is tentatively scheduled for November 2020.

The West Lambton Pumping Station is a LAWSS facility located at 12 Indian Road in Sarnia. It consists of pumping, above ground storage and re-chlorination equipment. The station is primarily used as an intermediate storage facility providing pressure stabilization and system redundancy. A major system component, a 36” diameter backpressure sustaining valve, used to regulate pressure in the transmission/distribution network is needed to be brought offline and replaced. OCWA Engineering group was hired to finalize the project scope, tender the project, provide project management and oversee final commissioning to either rebuild or replace the existing valve. A subsequent project proposal recommended the installation of a new 36” Singer single chamber diaphragm valve and was endorsed by the LAWSS Board, at staff recommendation at the May 28, 2020 meeting. The recommendation was reached by building a comparison between a rebuild of the existing Ross Valve against three new valves. The 36” Singer single chamber diaphragm valve is the clear choice from a capital cost, suitability and maintenance standpoint. At the Board’s direction, OCWA was directed to proceed to the tendering portion of the project.

5. WTP Main Plant HVAC Repair

Design work is well underway. A progress meeting on September 9, 2020 between Building Innovation, OCWA and LAWSS confirmed that the project is on track and on schedule. A WTP Main Plant HVAC replacement project is outlined in the Capital Plan in 2021 and was estimated at \$738,000. An updated project estimate will be provided by the October budget meeting to be included in 2021.

6. Forest SP Warranty Work

In 2017, LAWSS re-coated the Forest Standpipe (SP) and installed a new mixing system. The work has reached the end of its warranty period and a recent inspection has identified a few items within the SP that need to be addressed. Total project is expected to take three weeks. AWWA C651-11 procedures will be followed to ensure disinfection of the water storage facility prior to bringing it back into service. OCWA-LAWSS will be in

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contact with Operations at both Plympton-Wyoming and Lambton Shores throughout the process.

7. Field Gate 4G Network Upgrade

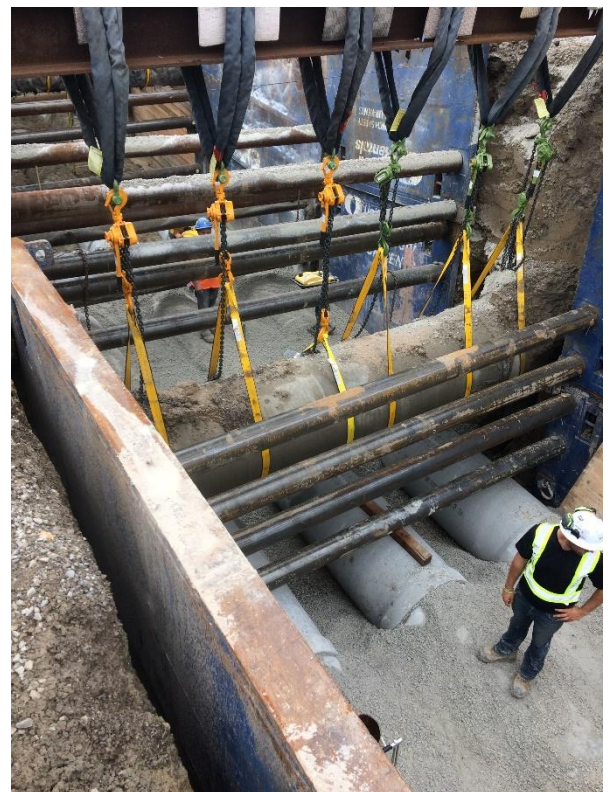
At staff's recommendation, the Board hired OCWA to complete a Fieldgate Network Upgrade in 2020. Project budget is \$84,860 +H.S.T. The project's goal is to upgrade the communication equipment utilized to transmit flow data from LAWSS remote metering sites. Work on the project is underway.

8. MTO Drain Project at Intersection of Highway 40 and LaSalle Line

In an effort to alleviate a drainage issue to the north of LaSalle Line on Highway 40, the MTO proposed a project that involved crossing the LAWSS WM on LaSalle with a large diameter drain. OCWA was included in the project development that involved daylighting the WM. Work included the temporary suspension of the LAWSS 900mm dia. CPP to allow for the crossing. Beginning the week of August 27, 2020, the MTO's contractor began working around the LAWSS 900mm dia. WM. Work was completely backfilled and all adjacent trench support was removed by September 9, 2020.

9. COVID-19 Update

No major changes to report. The Contractor screening tool remains in place which requires that contractors wear masks and maintain physical distancing while at LAWSS.



The LAWSS GM continues to be in continual communication with the OCWA Operational Manager on all matters related to the ongoing situation and will advise the Board immediately if a situation arises that will affect the continual operation of LAWSS.

This report was prepared by Clinton Harper, LAWSS General Manager

Attachment(s):