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

From: Clinton Harper
General Manager

Subject: Condition Assessment- Port Lambton & Watford Standpipe (SP)

Recommendation

It is recommended that;

1. CIMA+ is hired to complete a condition assessment of Port Lambton and Watford Standpipe for quoted price,
2. During the condition assessment at Port Lambton and Watford SP a Finite Element Analysis is completed for the additional cost indicated.

Background:

In April 2019, competitive bids were sought for condition assessments for all LAWSS elevated storage. Based on this effort, at the recommendation of staff, the LAWSS Board hired CIMA+ to complete a condition assessment of the WLPS Reservoirs and Indian Road Water Tower. Work was completed within the approved 2019 budget amount of \$30,000.

Comments:

In 2020 LAWSS plans on completing a similar inspection of the Port Lambton and Watford SP. At LAWSS request, CIMA+ reviewed their 2019 price and provided an updated price of \$26,730 for the two locations. This amount is \$1,209 greater than what was quoted in 2019 and was reportedly driven by rate changes of respective CIMA+'s team members selected for this work. The updated amount is less than what was provided by their competitor in 2019 and within the \$30,000 budgeted in 2020.

At the end of 2019, LAWSS was approached by multiple internet service providers (ISP) interested in installing telecommunications equipment on LAWSS elevated storage. Specifically, LAWSS received multiple requests for Port Lambton SP, Indian Road SP, Forest SP and Watford SP. Further information was needed before permitting the installation of multiple ISP's at a single tower location in the form of a Finite Element Analysis (FEA). An FEA will determine whether the roof meets current Ontario Building

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Code requirements and whether the addition of proposed antenna loads will result in the need for any roof reinforcement.

CIMA+ was asked to provide a quote to include overseeing the FEA and incorporating it into their condition assessment at each location. CIMA+ supplied a quote of an additional \$18,100.00 for both locations.

Consultation:

OCWA Operational Staff was consulted in the development of this report.

Financial Implications:

The condition assessments indicated were quoted within the 2020 budget of \$30,000. The combined cost of the condition assessments and finite element analysis exceed the approved budget for this project by \$14,830. If the Board wishes to proceed with the finite element analysis there will be an opportunity to offset this additional cost by gradually passing it into the ISPs at a negotiated rate.

This report was prepared by Clinton Harper, LAWSS General Manager

Attachment(s): none