

CITY OF MARYSVILLE AGENDA BILL

EXECUTIVE SUMMARY FOR ACTION

CITY COUNCIL MEETING DATE: 9/4/2018

AGENDA ITEM:	
Edward Springs Reservoir Floating Cover Replacement Project – Change Order #1: New Liner	
PREPARED BY:	DIRECTOR APPROVAL:
Kyle Hays / Project Engineer	<i>KE for KN</i>
DEPARTMENT:	
Public Works / Engineering	
ATTACHMENTS:	
Change Order #1	
BUDGET CODE:	AMOUNT:
40140280.548000; 1766	\$ 104,220.65
SUMMARY:	

Marysville owns and operates Edward Springs reservoir, a 6.1 million-gallon potable water storage structure located on Lakewood Road. The City has contracted with Layfield USA to replace the existing floating cover of the reservoir. The original contract amount was for \$738,734.65, with a 5% management reserve of \$36,936.73.

After beginning demolition of the existing cover, Layfield notified the City that the existing liner of the reservoir showed significant signs of damage and fatigue. The liner is a water tight geo-membrane that prevents leakage from the reservoir, and prevents groundwater from contaminating the reservoir. In the opinion of Layfield and City staff, the existing liner will not remain in usable condition for a significant amount of the working life of the new floating cover (expected to last 30-40 years). Installing a new liner while there is an existing cover is not feasible, and so if the liner were to fail while the cover was still in good condition, a new cover would need to be installed long before the end of its useful life.

Another significant concern for the City is to complete the cover project before the rainy season starts. The current schedule has the most rain sensitive work being completed by mid-September.

Layfield sent the City a change order proposal to install a new liner that came to \$95,527.60 pre-tax, \$104,220.65 after tax, adding only 6 working days to the schedule. As a part of this cost was a liner material cost of \$0.38/SF. The City was able to obtain a quote for a similar product from a competitor that cost \$.51/SF.

Original Contract (Includes Sales Tax):	\$ 738,734.65
Original Management Reserve (5%):	\$ 36,936.73
<u>Original Total Allocation:</u>	<u>\$ 812,608.12</u>
Change Order #1:	\$ 104,220.65
<u>New Total Allocation:</u>	<u>\$ 916,828.77</u>

RECOMMENDED ACTION:

Staff recommends that Council authorize the Mayor to sign and execute the Change Order #1 with Layfield USA in the amount of \$104,220.65 including Washington State Sales Tax.

**CITY OF MARYSVILLE
PUBLIC WORKS DEPARTMENT**

CONTRACT CHANGE ORDER

No. 1

Date: 9/4/2018 Project: Edward Springs Reservoir Floating Cover Replacement
Job No.: W1766 Job Location: Edward Springs Reservoir
Owner: City of Marysville
To: (Contractor) Layfield USA
cc: (Surety) The Guarantee Company of North America USA

YOU ARE HEREBY INSTRUCTED TO:

☒ Make changes in plans and specifications
as noted below

☒ Perform extra work as noted below

☐ Execute work as noted below

☐ Delete work as noted below

☐ Restore areas as noted below

DESCRIPTION AND/OR SKETCH	QTY	UNIT	UNIT PRICE	TOTAL
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You are ordered to perform the following described work upon receipt of an approved copy of the change order:

After demolition of the existing floating cover, the existing reservoir liner was inspected and found to be in poor condition, requiring a new liner. The City has decided to replace the existing liner with Layfield's Enviro Liner 6060x product, 60mil thickness (see attached product sheet). The Scope of work shall include material supply, delivery to site, and install including working around existing pipe penetrations shown on the project drawings.

The total Lump Sum cost for this work including sales tax is \$104,316.18

This work has been authorized by emergency resolution (see attached) to fast track approval due to the schedule and cost impacts of any additional delay with the limited amount of time left in the dry season.

Approved by Council: _____
(Date)

Presented to Council: _____
(Date)

All work, materials, and measurement to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

ORIGINAL CONTRACT AMOUNT	CONTRACT TOTAL AFTER CHANGE	PERCENT CHANGE THIS ORDER	TOTAL PERCENT CHANGE
\$738,734.65	\$842,955.30	%14.11	%14.11

CONTRACT COMPLETION TIME:

☒ Same ☐ (increase/) calendar days: 6

RECOMMENDED FOR APPROVAL BY: _____ DATE: _____
(Engineer)

APPROVAL BY: _____ DATE: _____
(Public Works Director)

APPROVAL BY: _____ DATE: _____
(Finance Director)

ENDORSED BY: _____ DATE: _____
(Contractor's Signature)