

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 6.c

Title:

Recommendation to Approve Phosphorus Removal and Digester Improvements Project Change Order No. 6 to IHC

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: January 28, 2019

Proposed Cost: \$107,564.70

Budgeted Amount: \$370,538.47
(Loan Contingency)Not Budgeted: ☐**Executive Summary** (if not budgeted please explain):

As part of the construction contract the general contractor (IHC) has drained, cleaned and completed a structural review of the north digester tank, its internal coating and other apparatus with a third party engineer. The inspection and structural report, found the steel in the north digester was in poor condition and in need of several repairs. The internal coating of this tank was found to be in very good condition but due to the number of steel repairs needed inside the tank the majority of the paint coating needs to be removed. City staff, IHC, our consulting engineer and third party engineer reviewed the internal conditions and determined a complete internal coating replacement was warranted.

City staff, IHC and the consulting engineer continue to review the additional costs to the north digester and it was determined the contractor could effectively save cost on the digester insulation removal and replacement on the north digester. Collaboratively the contractor agreed to lower the insulation cost.

Staff recommends the following changes in the work scope to the North Digester:

- Weld repairs of detreated areas inside of the egg and stuffing box - \$53,043.24
- Recoating the inside of the egg - \$73,940.50
- Digester exterior insulation credit – (\$22,320)

Other changes in scope:

- Additional grounding and bollards at Ferric Chloride Tanks - \$3,435.63
- Leak Detection on Ferric Chloride Tanks - \$5,113.22
- Air Line removal at the bridges - \$309.69
- Scum Box and site improvement at scum box - (\$5,957.58)

Overall, the recommended balance of changes will increase the contract by \$107,564.70.

In addition to the increase in cost to the contract and changes in the scope of work on the north digester, the contractor has requested a time extension of 52 days. Staff and our consulting engineer have reviewed the project schedule and determined the time extension request is warranted.

This is an EPA funded loan project; any change in the scope of work or time requires City approval.

Attachments (please list):

* Change Order No. 6

Recommendation/Suggested Action (briefly explain):

Recommendation to Award Change Order No. 6 to IHC in the amount of \$107,564.70 and a 52 day contract time extension.

City of St. Charles - 2017 Phosphorus Removal and Digester Improvements
Summary of Change Order #6

CMR No.	Description	Amount	Days
35	Additional Coating within N. ESAD	\$ 73,940.50	28
41	Scum Box and Site Improvements by Headworks	\$ (5,957.58)	0
44	Bollards and Grounding by FeCl Tanks	\$ 3,435.63	0
45	North Effluent Box Repairs (\$25,734.00 from ESAD Repair Allowance)	\$ 32,879.33	24
47	Leak Detection on FeCl Tanks	\$ 5,113.22	0
48	Air main conflict with bridges in 1301 and 1302 (\$2,938.01 from conflicts allowance)	\$ 309.69	0
49	Change insulation removal/replacement amount	\$ (22,320.00)	0
51	North ESAD Weld Repairs	\$ 20,163.91	0
	TOTAL FOR CHANGE ORDER #6	\$ 107,564.70	52

Original Contract Price	\$ 13,294,896.00
Previous Change Orders	\$ 18,056.68
Current Contract Price adjust by Previous Change Orders	\$ 13,312,952.68
Contract Price due to this Change Order will be adjusted by	\$ 107,564.70
Contract Price including this Change Order	\$ 13,420,517.38
Total % Difference in Contract Price	0.945%

	Substantial Completion	Final Completion
Original Completion Dates	February 6, 2019	March 8, 2019
Previous Contract Time Adjustment	56	56
Current Completion Dates adjusted by Previous Change Orders	April 3, 2019	May 3, 2019
Contract Time due to this Change Order to be Adjusted by	52	52
Completion Dates including this Change Order	May 25, 2019	June 24, 2019