	AGEND	A ITEM EXECUTIVE SUMMARY	Agenda Item number: 3.c	
A CO	Title:	Phosphorus Removal and Digester Improvements Project Update – Information only		
ST. CHARLES	Presenter:	Tim Wilson		
Meeting: Government Services Committee Date: January 28, 2019				
Proposed Cost: n/a Budgeted Amount: n/a			Not Budgeted:	
Executive Summary (if not budgeted please explain):				
Information only report on the Phosphorus Removal and Digester Improvements Project. The intent is to provide the Council Committee an update on the project status.				
A member of the Public Works Staff will be available at each of the Government Services Committee meetings to respond to any questions or comments that the Council Committee may have.				
A44. 1	1:			
Attachments (please list):				
* Information only project report				
Recommendation/Suggested Action (briefly explain):				
None				

Phosphorus Removal and Digester Improvements Project

January 2019
Construction Update Report

Construction Update

- Construction Contractor: IHC Construction Companies
- Project Schedule:
 - Commence Construction: September 27, 2017
 - Chemical Feed System Online : June 1, 2018
 - Substantial Completion : April 3, 2019
 - Final Completion : May 3, 2019
 - Pending Time Extension : 52 Days
- Construction Contract : \$13,294,896.00
- Approved Contract Change Orders : \$ 7,954.43
- Pending Contract Change Order (#6) : \$ 107,564.70
- Amount Billed to Date : \$10,826,150.00
- Est. Construction Percent Completed :75 %

Construction Update

Current Construction Activity

- North Anaerobic Digester
- AD Control Building
- Digested Sludge Tank
- Fermenter
- IR Pump Station
- Chemical Storage Building
- Blowers
- Biological Aeration Tanks



North Digester Paint Coating and Steel Inspections

– Concern:

 The third party review of the North digester included the internal coating and steel inspections. The preliminary report was completed 10.10.2018. The report provided some recommendations on the coating replacement and steel repairs.

– Impacts:

- Review third party recommendation determine scope that is included in the contract and new scope work to be completed by contractor
- Contractor will provide estimates for any changes in scope
- Overall project schedule will be reviewed

– Solution:

- Contractor finished sand blasting the inside of the tank so all parties can see the needed repairs
- After Sand blasting to determine what is included in the contract vs new scope
- Contractor to provide time and material cost and schedule impacts

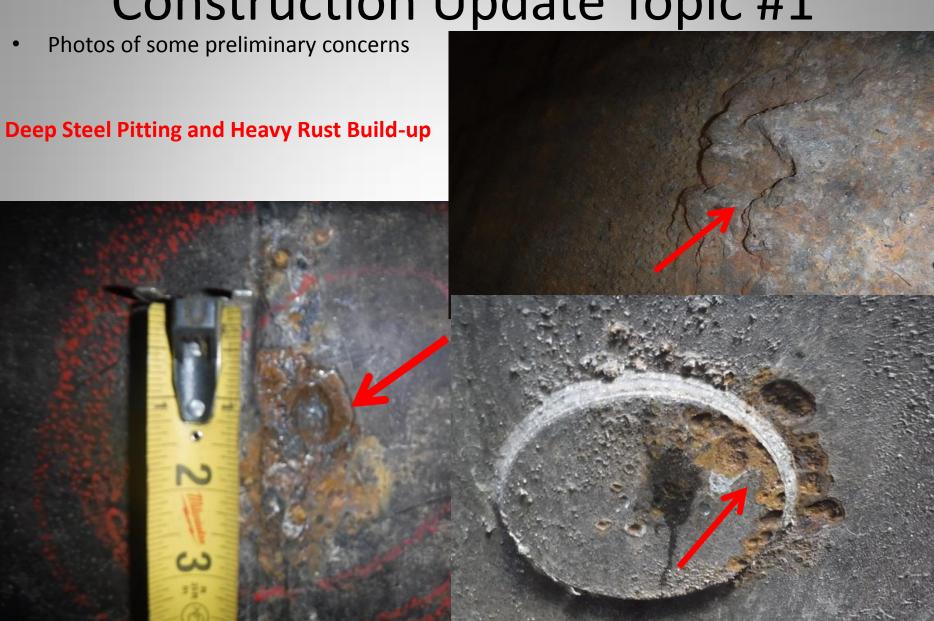
– Council Action:

• City Staff recommends the approval of Change order # 6 in the amount of \$107,564.70 and a 52 day contract extension.

Photos of some preliminary concerns

I-Beam holes in effluent box





 Examples of steel pitting after paint removal

 Weld repairs are located at 60 different locations inside of the egg, with greater than 200 pit welds required



 Example on how the weld repairs will be made to the north digester.





North Anaerobic Digester

Removal of the roof on the digester; Scaffolding being assembled in tank



North Anaerobic Digester

Inside the tank after sand blasting



Digesters

North Cradle Piping





Setting Last Bridge



New Blower Start-ups



Installing the last baffle walls and piping



Sludge Storage Tank





Digester Sludge Storage Tank



IR Pump Station

Ball Check Valves installed



Site Page

- Phosphorus Removal & Digester Improvements Project Page-
 - https://www.stcharlesil.gov/projects/2017 phosphorus-removal-and-digester-improvements