

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.d

Title:

Phosphorus Removal and Digester Improvements Project
Update – Information only

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: August 27, 2018

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.

Attachments (*please list*):

* Information only project report

Recommendation/Suggested Action (*briefly explain*):

None

Phosphorus Removal and Digester Improvements Project

August 2018

Construction Update Report

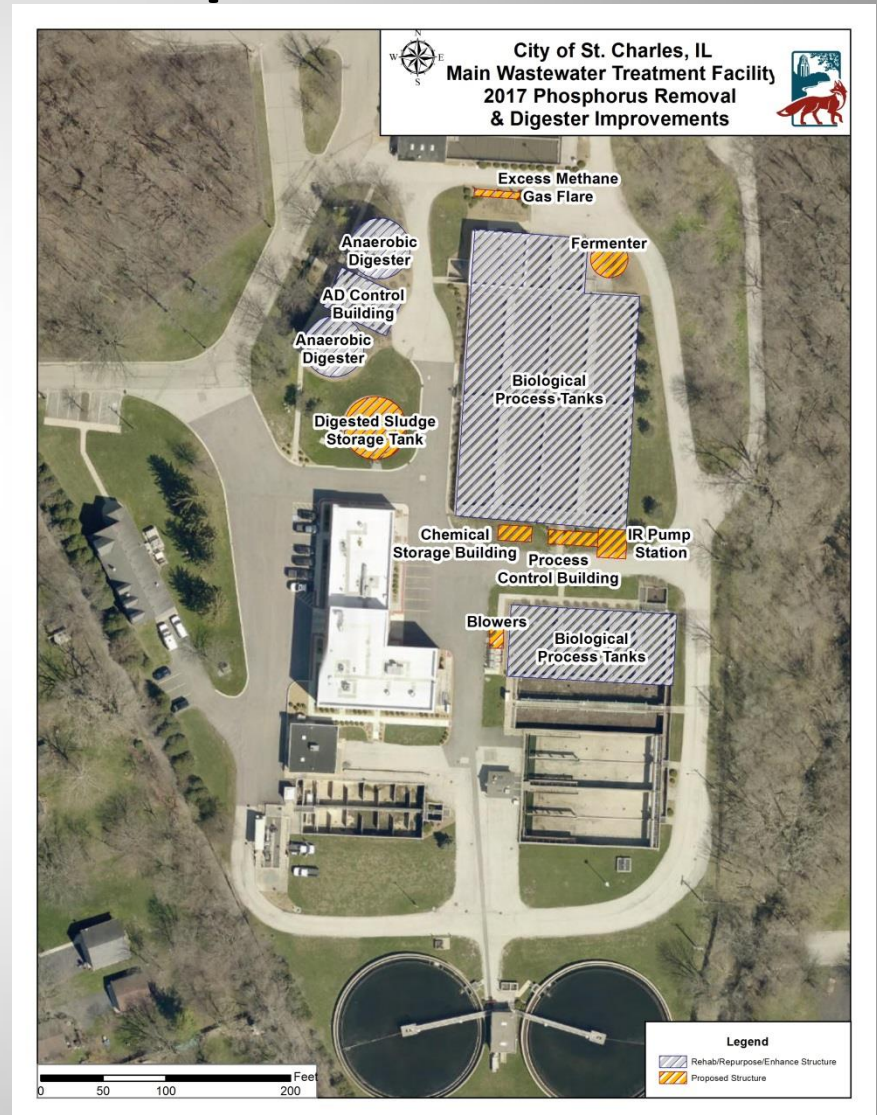
Construction Update

- Construction Contractor: IHC Construction Companies
- Project Schedule:
 - ~~Commence Construction : September 27, 2017~~
 - ~~Chemical Feed System Online : June 1, 2018~~
 - Substantial Completion : February 6, 2019
 - Final Completion : March 8, 2019
- Construction Contract : \$13,294,896
- Approved Contract Change Orders: \$584.07
- Pending Contract Change Order: None
- Amount Billed to Date: \$7,179,924
- Construction Percent Complete: 55%

Construction Update

Current Construction Activity

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



Construction Update Topic #1

- Electrical Motor Control Panel Manufacture Delays
 - Issue:
 - Motor Control panels are currently delayed in manufacturing at Texas Plant
 - Reason:
 - Hurricane Harvey & Irma
 - Increase Demand and Texas Manufacture Plant Damage and Cause for Delays
 - Note: Federal Funded Project Requires American Made
 - Impacts:
 - EPA June Chemical Feed Deadline
 - Overall Project Schedule
 - Solution:
 - EPA will extend June Deadline we are not the only construction project faced with this challenge
 - Overall Project Schedule: Waiting on true delivery of equipment then contractor will review his overall schedule
 - July Update: 3 of 3 Motor Control Panels Received Total Delay in Equipment 90 Days
 - Council Action:
 - Change Order Number 3

Construction Update Topic #2

- Holes and Metal Loss in I-Beam
 - Issue:
 - Structural Issues on Catwalk over Digester
 - Reason:
 - Sand blasting uncovered holes in I-beam
 - Impacts:
 - Additional Scope of Work for Contractor
 - Solution:
 - Contractor will perform work on time and material
 - Council Action:
 - None at this time



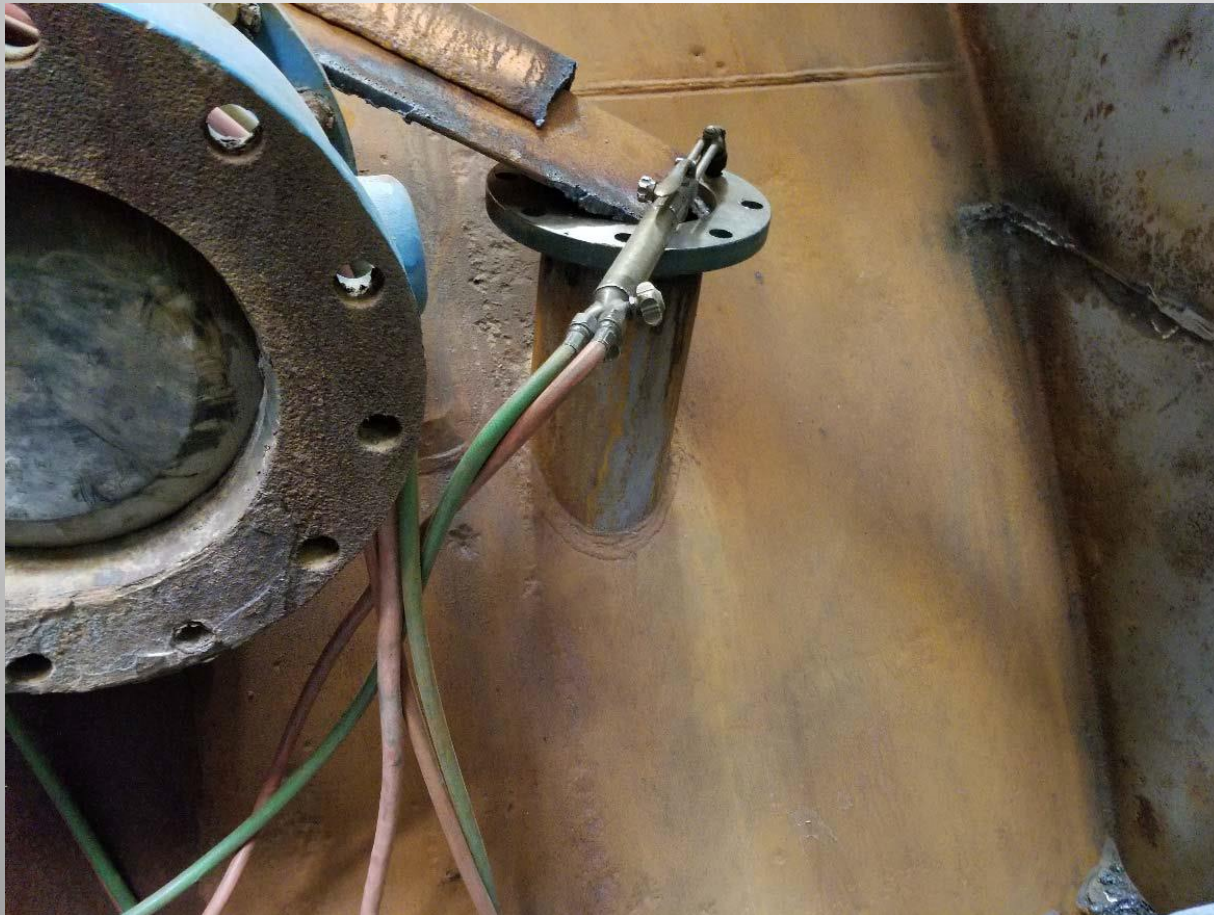
South Anaerobic Digester

Repairs Started on Effluent Box



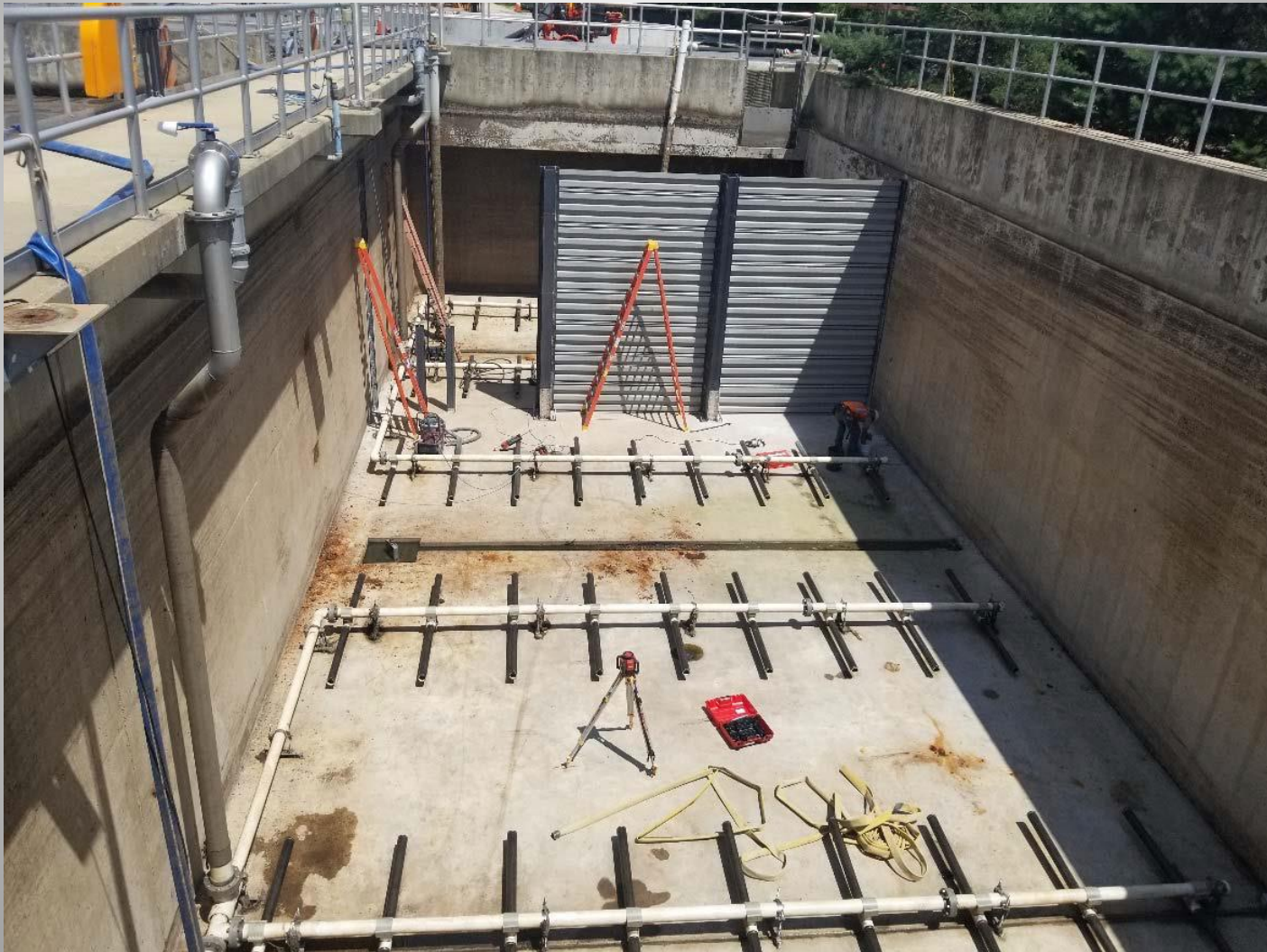
South Anaerobic Digester

- New Digester Gas Pipe



Upper Aeration Tanks

Baffle Wall Installed



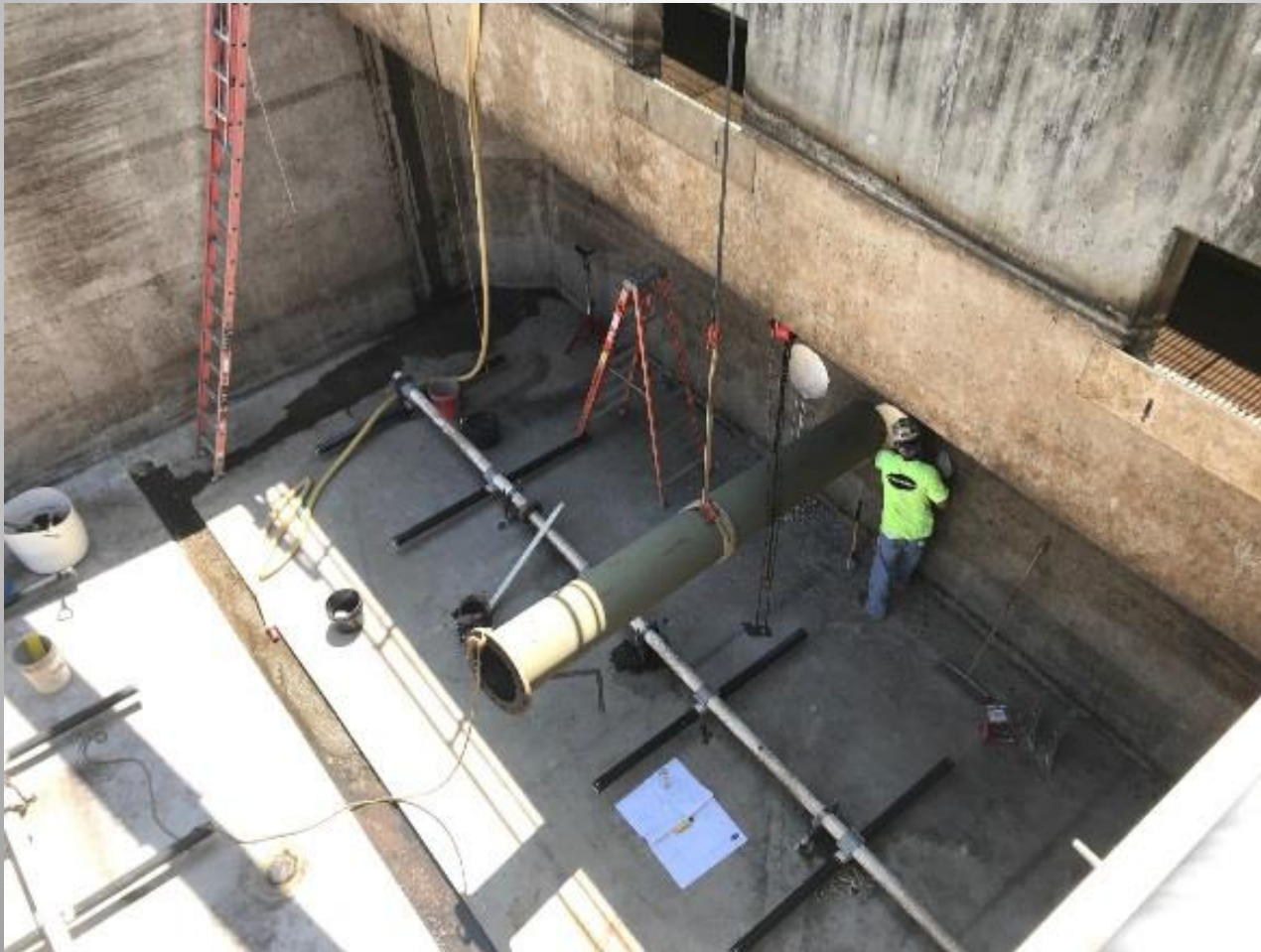
Sludge Storage Tank

- Cover Assembly Started



Upper Aeration Tanks

- Pipe Installation



Upper Aeration Tanks

- Saw Cutting for Mixer Bridges



Upper Aeration Tanks



Lowering Mixer Bridges into place



IR Pump Station

- Building Station Walls



IR Pump Station Building



16" Pipe connection Between Pump Station and Aeration Tanks

Underground Work



HDPE Digester Gas Line



Site Page

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