



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 3.c

Title:

Phosphorus Removal and Digester Improvements Project
Update – Information only

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: September 24, 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

September 2018

Construction Update Report

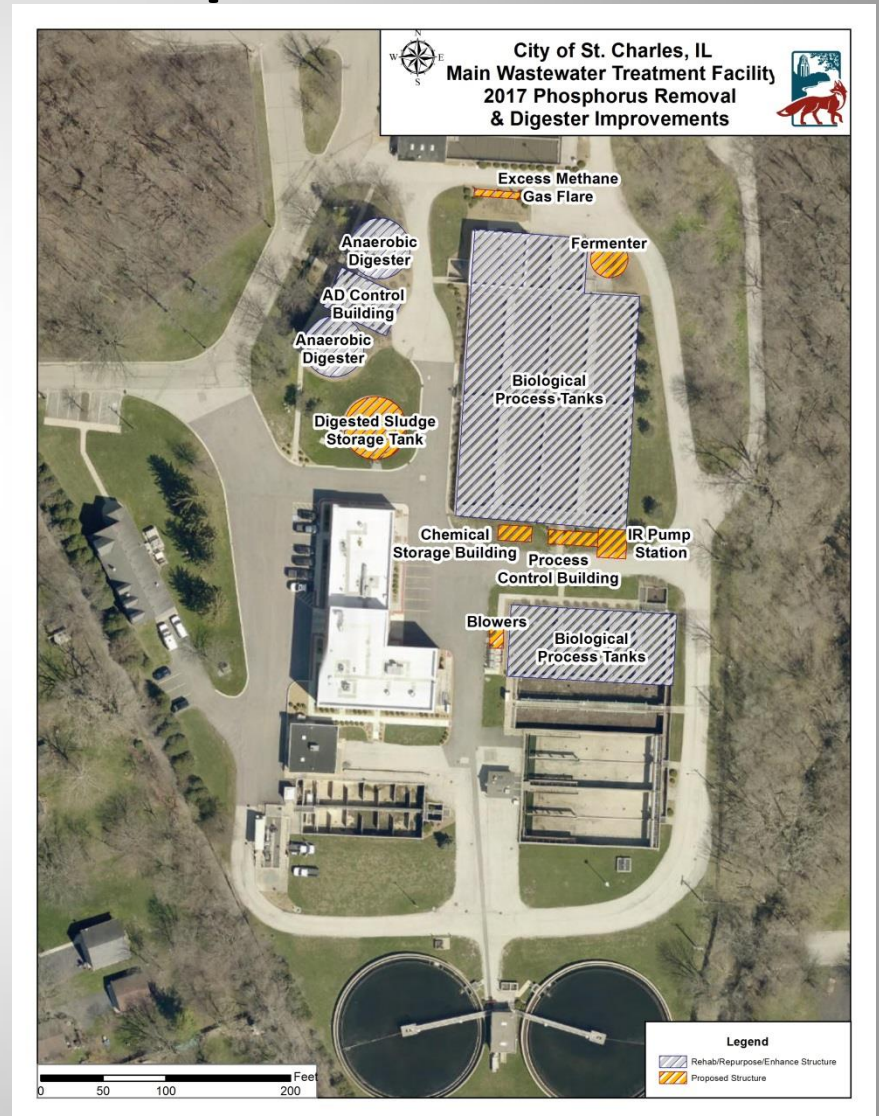
Construction Update

- 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: \$8,097,392
- Construction Percent Billed: 57 %

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
- Underground Piping



Construction Update Topic #1

- Interior Digester Paint Coating North Tank
 - Concern:
 - The North digester interior paint coating looks to be in better shape than the south digester. But are awaiting a third party review to provide a final recommendation on the coating.
 - Impacts:
 - Change in scope for contractor additional coating of digester
 - Overall Project Schedule
 - Solution:
 - Awaiting on Tank Industrial Consultants to provide the overall steel and coating inspection and final recommendation. Inspection is scheduled for September 26th & 27th.
 - Council Action:
 - None

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:
 - Current Change Order #4

Prior To Repairs



Repairs Complete



South Anaerobic Digester

Installing the final roof on the digester; work is 100% complete and digester is filled.



South Anaerobic Digester

- Installing final gas appurtenances



South Anaerobic Digester

- Final pipe installation in lower cradle



Digester Control Building

- South Digester boiler installed and operational



Digester Control Building

- Brick repairs to the building



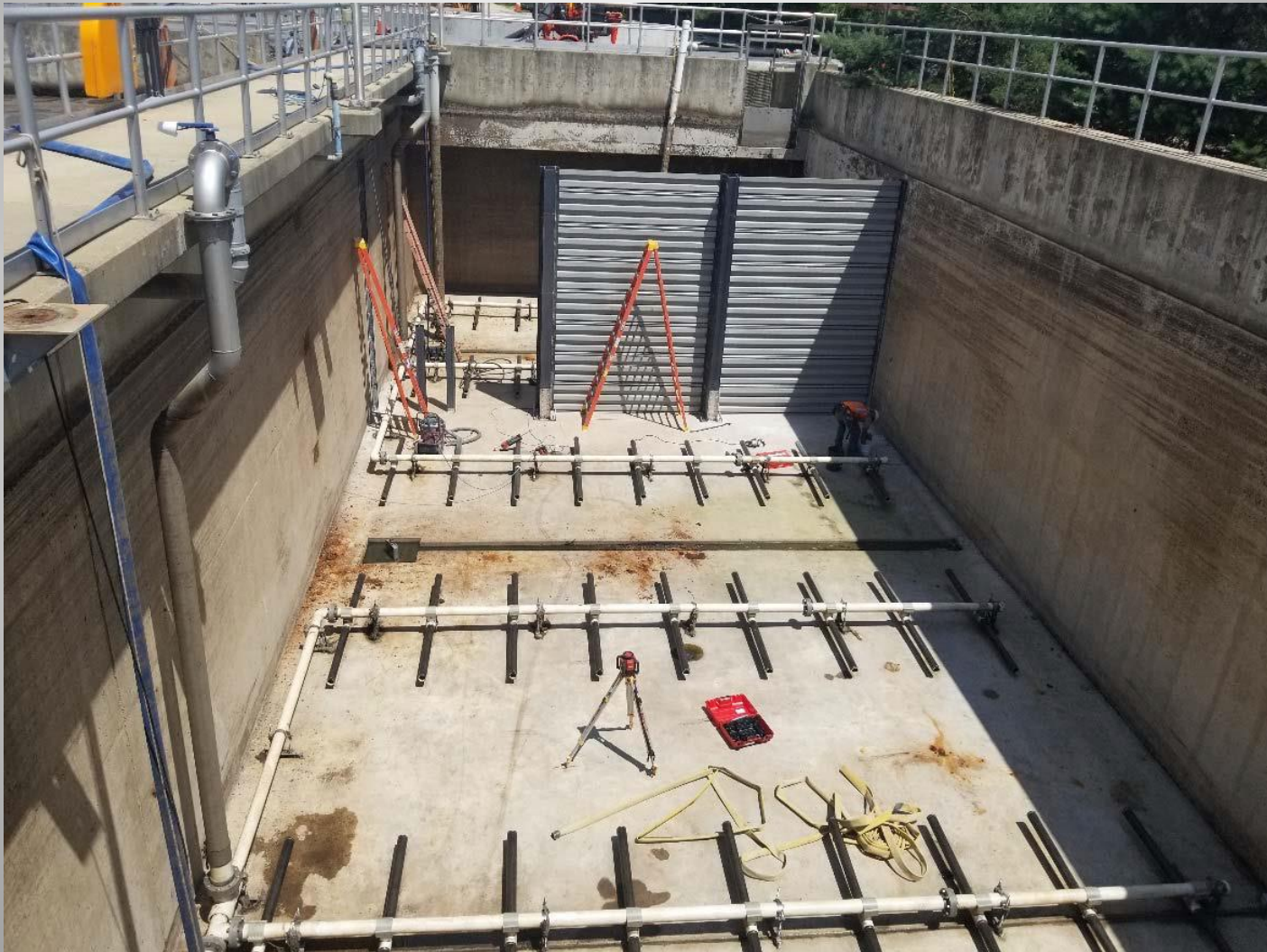
North Anaerobic Digester

- Has been drained and working on scaffolding installation



Upper Aeration Tanks

Baffle Wall Installed



Sludge Storage Tank

- Cover ready for sandblasting and tank interior coating starting



Upper Aeration Tanks

- Pipe & Mixers Installed



IR Pump Station

- Installing Precast Roof



Fermenter

- Application of coating



Site Page

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