

Wastewater Treatment Plant Improvements Bid Update

Council Presentation

September 23, 2024

Agenda

- Review primary project objectives
- Discuss bid results
- Overview of phased approach
- Estimated cost and schedule for phased approach



Primary Project Objectives

- Provide flood protection for critical equipment to ensure WWTP is operational in event of flooding
- Improve plant operations, maintenance, and efficiencies



City's Project Budget

- Total Project Budget \$17,340,000
- Budget includes:
 - Construction Contract
 - Construction Engineering (Submittals, RFIs, Site Visits, etc)
 - Construction Management & Inspection (CM&I)
 - Construction Materials Testing (CMT)

Bid Results

- Bid Opening July 17, 2024
- Only 1 bid received by Industrial TX (ITX)
- Bid significantly higher than estimated construction cost
 - Electrical pricing not in line with market trends
 - Equipment costs have increased
 - Increase in concrete and steel prices
- Single bid = lack of competitive pricing

Project Cost vs. Budget

Construction Cost (Bid from ITX)	\$ 29,811,000
Construction Engineering	\$ 462,600
CM&I, CMT	\$ 1,385,000
Total Cost	\$ 31,658,600
<i>Current Budget</i>	<i>\$ 17,340,000</i>
Additional Budget Needed	\$ 14,318,600

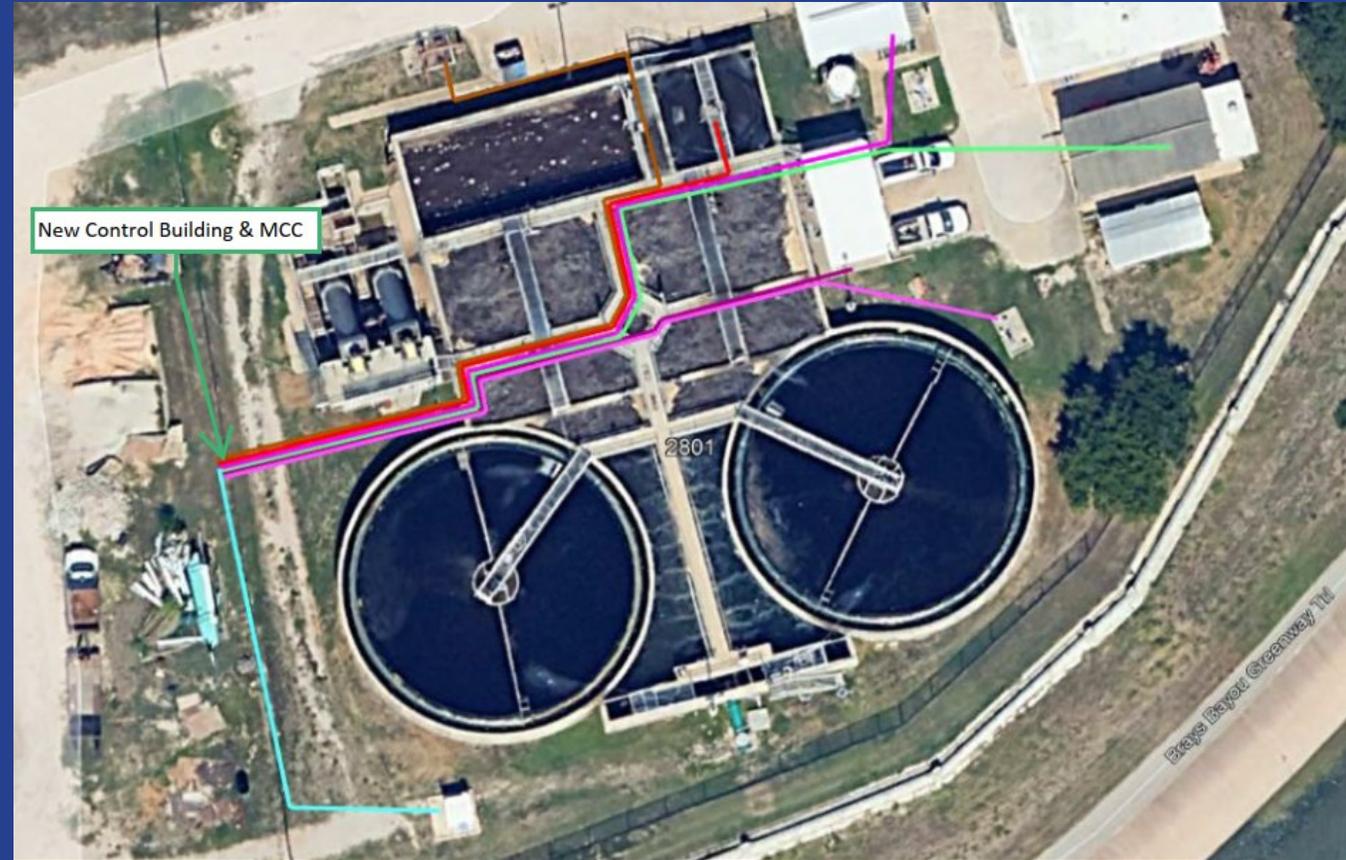
Phased Approach

- Prioritize improvements to address flood protection for critical project components
- Provide flood risk resiliency and ensure plant is operational if flood event occurs
- Promote additional bidders by reducing project size and scope



Phase 1 Improvements

- New submersible lift station
- Elevated Control building with new motor control center (MCC)
- New Electrical Power Service
- Civil Sitework required for COH Permit
 - Underground Detention
 - Parking requirements



Phase 1 Estimated Cost

Project Cost vs. Budget

Construction Cost (Estimated)	\$	15,800,000
Construction Engineering	\$	616,800
CM&I, CMT	\$	992,000
Total Cost (Estimated)	\$	17,408,800
<i>Current Budget</i>	<i>\$</i>	<i>17,340,000</i>
Additional Budget Needed (Estimated)	\$	68,800

Phase 1 Schedule

Activity	Estimated Schedule
Updated Plans & Project Manual	September- November 2024
Advertise	End of November 2024
Bids Due	Middle of January 2025
Award Contract	End of February 2025
Begin Construction*	April 2025
End Construction	April 2027

* Construction must begin in April 2025 to comply with City of Houston Civil Permit requirements

Future Phase 2

- Phase 2 improvements focus on plant operations and efficiencies
- Can be completed as single project or multiple projects
- City will monitor market and pricing trends to determine best way to execute Phase 2 improvements over the next two years and determine the best schedule for moving forward

Questions?
