

FLOOD CONTROL IMPROVEMENTS – DAM III OYSTER CREEK AT LEXINGTON Construction Contract CIP CDR2103

**October 20, 2020
Engineering Department**



C I T Y O F S U G A R L A N D

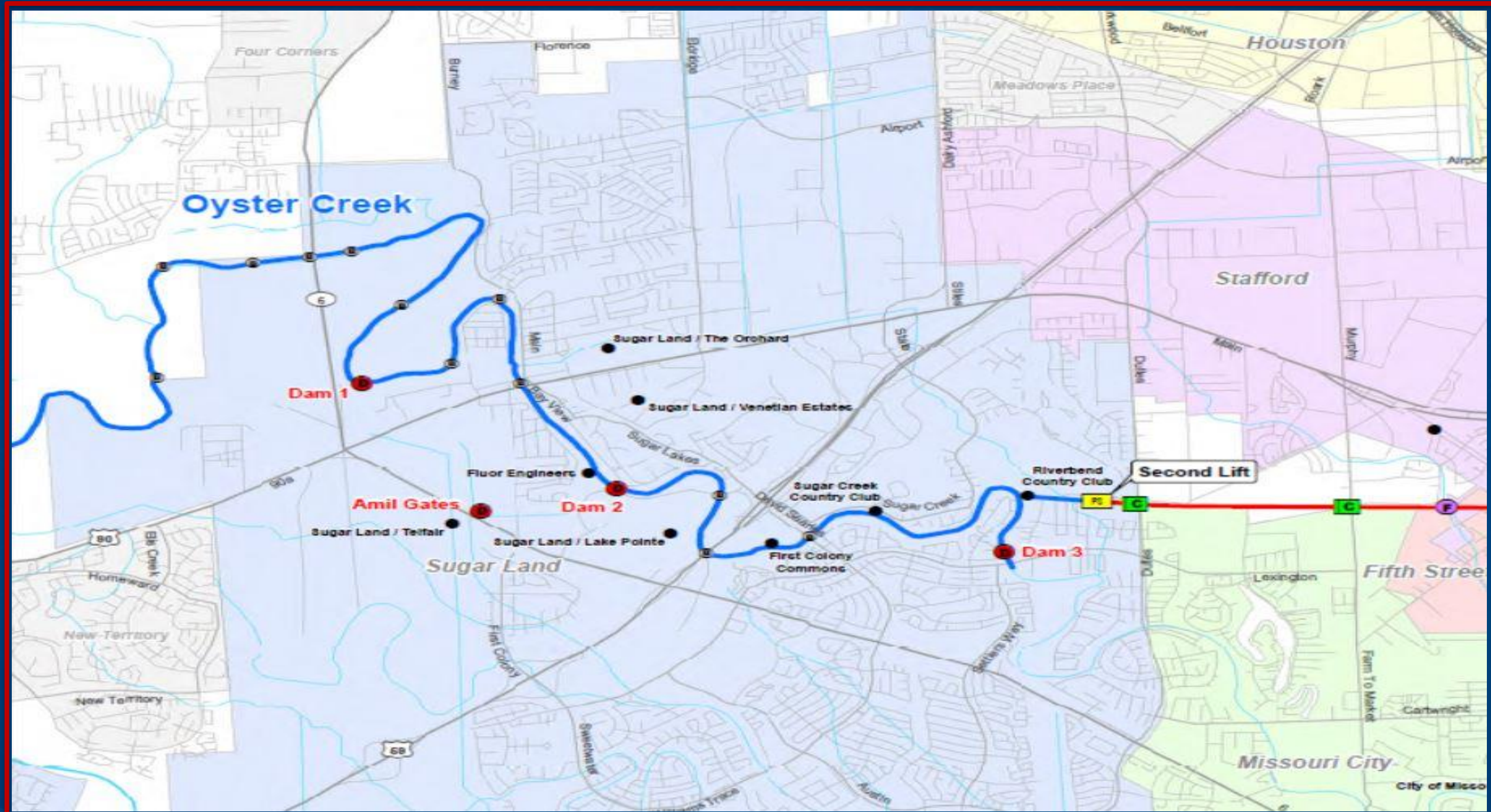
Sugar Land

Background

- **Dam III was constructed in the late 1960's as a water supply for former Imperial Sugar Refinery**
 - **Owned by City of Sugar Land and**
 - **Operated by Gulf Coast Water Authority (GCWA)**
- **The dam is located along Oyster Creek**
- **The reservoir of Dam III impounds discharges of Dam II, and releases at Dam III via a concrete service spillway**

Background

- Texas Commission on Environmental Quality (TCEQ) adopted updated dam safety rules in 2009
- FNI assessment on Dam III in 2010
 - Found Dam III structurally sound
 - Inadequate of passing 75% of probable maximum flood (PMF) required by TCEQ
- FNI PER in 2015 provided alternatives for modifications to comply with TCEQ regulations
- Coordination with GCWA, TCEQ, LID 2, Texas Historical Commission and USACE



Project Scope

- Include the following major tasks:
 - Site clearing
 - Construct a reinforced concrete spillway
 - Install all-weather access road
 - Install a staff gauge
 - Install a security camera
 - Install riprap slope protection

Contractor Selection

- Design completed in 2018
- Construction included in 2019 GO Bond Program
- Bids were advertised on August 19 and 26, and September 2, 2020
- Bids were opened on September 17, 2020
- Seven (7) bids were received

Contractor Selection

➤ Bid summary

| Rank | Contractor | Total Project Cost |
|------|----------------------------------|--------------------|
| 1 | Complete Concrete | \$379,042.50 ★ |
| 2 | NBG Constructors, Inc. | \$576,835.00 |
| 3 | Dalrymple Gravel and Contracting | \$580,775.00 |
| 4 | Shirley and Sons | \$617,115.00 |
| 5 | Environmental Allies, Inc. | \$709,947.00 |
| 6 | Gael, Inc. | \$722,295.00 |
| 7 | WadeCon, LLC | \$809,500.00 |

Project Funding

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|-----------------|------------|
| Available Funds | \$ 800,000 |
|-----------------|------------|

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|-----------------------|------------|
| Construction Contract | \$ 576,835 |
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| Remaining Funds | \$ 223,165 |
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G. O. Bond - CIP CDR2103

Remaining funds will be used for contingency,
Materials Testing and Construction Administration

Project Schedule

- **Notice to Proceed: November 2020**
- **Substantial Completion: 120 Calendar Days**
- **Anticipated completion: April 2021**

Project Impact and Notification

- No service interruptions to water, wastewater or traffic
- Notification Plan
 - HOA Notification
 - City's Website
 - Door Hangers
 - Mail-outs
 - One-on-One Communication, if needed

Request for Approval

- Authorize the approval of the Construction Contract in the amount of \$576,835 with NBG Constructors, Inc. for Flood Improvements – Dam III Oyster Creek at Lexington, CIP CDR2103

CLARIFYING QUESTIONS FOR STAFF

COUNCIL MOTION & DISCUSSION