



AGENDA ITEM SUMMARY FORM

MEETING DATE: 2/20/2024

PREPARED BY: Hector Renteria, Director of Public Works and John Peterson, HDR Associate Vice President; Municipal Practice Lead

AGENDA CONTENT: Discussion and possible action on drainage improvement priorities in flood-prone areas in the City limits, which are beyond the responsibility of the Angleton Drainage District.

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: \$900,000.00 **FUNDS REQUESTED:** \$0

FUND: TBD

EXECUTIVE SUMMARY:

On Monday, November 13 ABLC approved the following projects for a \$4M bond:

- Abigail Arias Park development \$2M
- Freedom Park improvements \$900K
- Angleton Recreation Center (maintenance improvements and master plan) \$500K
- BG Peck Soccer Complex lights (1st priority) and field grading/park drainage improvements (2nd priority) \$250K
- Drainage improvements in flood-prone areas in the City limits, which are beyond the responsibility of the Angleton Drainage District (per ABLC bylaws – specific projects were not designated) \$350K
- Land, buildings, equipment, facilities, and improvements to enhance the City of Angleton’s public park facilities, suitable for amateur sports, entertainment, tourist, and public park purposes and events, including parks and park facilities, open space improvements, and related parking facilities, roads, water and sewer facilities, and other related improvements that enhance any of those items (this is a general item/verbiage ABLC agreed to add so that if we had remaining funds we could allocate them to other projects mentioned in this item) \$TBD

Historically, the Angleton Better Living Corporation has provided funding for improvements to the levy near the Angleton Wastewater Treatment Plant to aid in improved drainage for the city.

Per the request of the Angleton Better Living Corporation, staff has developed a listing of drainage improvement priorities and has included other ABLC-requested drainage improvement projects:

1. Texian Trail Drainage Improvements

The existing corrugated HDPE Storm sewer pipe is failing and is restricting flow which is causing flooding in that area that is approaching the existing homes. Also, the existing storm sewer pipe was installed outside of the recorded drainage easement on private property and is within 3 feet of a corner of an existing structure. City staff recommends this project be selected.

2. Meadowview Lane Drainage Improvements

This is a repair to an old concrete storm sewer outfall in Brushy Bayou. It appears that the movement in the ground has caused the joint to open and is causing a sinkhole above the pipe from soil intrusion into the drainage system.

3. Laurie Lane Drainage Improvements

This is a regrading and culvert cleaning project to increase capacity in the existing ditch. Elevations must be verified at the culvert at SH 288B and also at the railroad crossing to ensure that the existing ditch can be lowered.

4. Northview Drive Drainage Improvement

The roadway's crown has settled causing water to spread outside of the gutter line onto the street. The existing drainage swale has silted in and requires regrading. Two options have been provided. Option 1 - is to remove and replace a portion of the existing roadway to reestablish the crown of the roadway and Option 2 - Is to use Uretek to slab jack the existing paving to reestablish the crow of the paving. Ditch regrading will occur on both options.

5. Rayburn Ridge

This project will require a new outfall beginning at Brushy Bayou to provide the required depth to extend a drainage system to the intersection of Rayburn and Richland. Beginning at a new outfall new culverts and inlets will be installed in the existing ditch along Hospital Dr. The proposed storm sewer will turn south on Rayburn Ridge and continue to Richland Circle. Asphalt roadway point repairs and curb replacement will be required on Rayburn Ridge to install the new drainage system.

6. N. Remmington Dr.

This project is to reduce normal maintenance of an existing ditch by installing slope paving.

Enclosed are pertinent supporting documents for the Angleton Better Living Corporation's review.

Staff recommends the Angleton Better Living Corporation proceed with Texian Trail drainage improvements with funds allocated for the project.

RECOMMENDATION:

Staff recommends the Angleton Better Living Corporation review the enclosed documents and authorize staff to proceed with Texian Trail drainage improvement project with project funds designated.