

**MINUTES OF
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY-EAST
OPERATIONS COMMITTEE MEETING
HELD ON OCTOBER 17, 2019**

PRESENT: Mark L. Morgan, Chair
Herbert T. Weysham, III, Committee Member

The Operations Committee of the Southeast Louisiana Flood Protection Authority-East (Authority or FPA) met on October 17, 2019, in the Franklin Avenue Administrative Complex, Meeting Room 201, 6920 Franklin Avenue, New Orleans, Louisiana. Mr. Morgan called the meeting to order at 10:30 a.m.

Opening Comments: None.

Adoption of Agenda: The agenda was adopted by the Committee.

Approval of Minutes: The minutes of the September 19, 2019, Operations Committee meeting were approved.

Public Comments: None

New Business:

A. Discussion of a one-year extension of the current Indefinite Delivery-Indefinite Quantity (ID-IQ) contracts for Facility Management Services.

Chris Humphreys, Director of Engineering, explained that the ID-IQ contracts for Facility Management Services were awarded on November 18, 2018, for a one-year period and that staff requests that the first one-year renewal option be exercised. The services are needed and staff recommended that the Board approve the one-year extension. The list of consultants with ID-IQ contracts for the subject services, as listed in the draft Board resolution, was read. The not-to-exceed value of the contracts is \$500,000 and sufficient capacity remains for the one-year option period.

The Committee will recommend that the Board approve the one-year extension of the ID-IQ contracts for Facility Management Services.

B. Discussion of a one-year extension of the current ID-IQ Contracts for Construction Administration, Resident Inspection & Other Inspection Services.

Mr. Humphreys advised that the ID-IQ contracts for Construction Administration, Resident Inspection and Other Inspection Services were awarded on November 18, 2018, for a one-year period, and staff requested that the first one-year renewal option be exercised. The list of consultants with ID-IQ contracts for the subject services, as listed in the draft Board resolution, was read. The contracts have a not-to-exceed value

of \$500,000. It was noted that the ID-IQ contracts for Civil Engineering Services have the flexibility to provide the subject services.

The Committee will recommend that the Board approve the one-year extension of the ID-IQ contracts for Construction Administration, Resident Inspection and Other Inspection Services.

C. Discussion of proposed Change Order No. 5 in the amount of \$109,154.00 to the contract with Conhagen, Inc., for the Pump Station 6 and Pump Station 7 Repair Project, increasing the total contract amount to \$1,467,021.60.

Ryan Foster, Engineering Manager, explained that Change Order No. 5 came about as the contractor was removing the discharge pipes to repair the pipe support columns. A significant amount of corrosion was discovered in the interior of the pipes. This corrosion issue was not included in the original project scope. Multiple discussions took place amongst the Engineering staff and with the Board's President. The decision was made to move forward with the repairs. It was noted that the repairs were not immediately required, but would be required in the next five to six years at a significant increase in cost (possibly three to four times the current cost). The project consultant, Burk-Kleinpeter, Inc., recommended that the FPA move forward with the repairs.

Mr. Morgan commented that the FPA would be taking on the responsibility for the repairs as a good will gesture to St. Bernard Parish and to assist with the long term maintenance of the pump stations.

The Committee will recommend that the Board approve Change Order No. 5.

D. Discussion of a proposed amendment to Resolution No. 09-15-16-08 to increase the not-to-exceed cost for the construction of the levee lift portion of the ARM-05 (LPV109.02a) levee lift/armoring project to \$6,807,000 (an increase of \$307,000), and authorizing the Orleans Levee District to transfer an additional \$307,000 to the U.S. Army Corps of Engineers for said construction in accordance with the Memorandum of Agreement

Mr. Humphreys explained that the initially approved funding for LPV 109.02a, the levee lift portion of the U.S. Army Corps of Engineers (USACE) armoring/levee lift project (ARM-05), was \$4 million. An additional \$6 million was approved for the LPV 109.02a project, increasing the total funding to \$10 million. The FPA subsequently approved the transfer of \$3.5 million from the LPV 109.02a (ARM-05) project to the LPV 111 (ARM-09) project, reducing total funding for LPV 109.02a to \$6.5 million. At the completion of the work on LPV 109.02a, the contractor advised that there was a 32,000 cubic yard overrun on the quantities (approximately one to two inches across the 6-1/2-mile levee project possibly due to settlement or the interpolation of cross sections). The FPA's Engineering staff reviewed the quantity overrun and concurred with the USACE in recommending approval of the \$307,000 cost increase.

Mr. Morgan pointed out that the USACE preforms cross sections every 300-ft. and that the FPA has discussed doing future cross sections every 100-ft. Mr. Humphreys added that the unit rate is good and consistent with the contract. Derek Boese, Chief Administrative Officer, concurred with the recommendation regarding the cost increase and added that the FPA achieved a savings by requesting that the USACE incorporate the levee lift in its contract for armoring.

The Committee will recommend that the Board approve the cost increase of \$307,000 for the LPV 109.02a levee lift work.

E. Discussion of a proposed Task Order with Linfield, Hunter and Junius, Inc., for Bid Services, Construction Administration and Resident Inspection Services with a total not-to-exceed cost of \$104,495.38 for the Floodgates W-33 and E-07 Train Derailment Repairs Project.

Mr. Foster explained that the repairs were due to two train derailments that occurred last year. The finalized plans were approved by the USACE and Coastal Protection and Restoration Authority (CPRA). The project is currently being advertised for bids. The proposed Task Order with Linfield, Hunter and Junius, Inc., is for Bid Services, Construction Administration and Resident Inspection Services with a total not-to-exceed cost of \$104,495.38, which will be reimbursed by the New Orleans Public Belt Railroad.

The Committee will recommend that the Board approve the proposed Task Order with Linfield, Hunter and Junius, Inc.

F. Discussion of proposed Change Order No. 6 in the amount of \$77,607.00 to the contract with CM Combs Construction, LLC for the Franklin Administration Building and Warehouse Renovations Project, thus increasing the total contract amount for the project to \$4,526,042.00.

Mr. Foster advised that Change Order No. 6 is the final change order to the contract and addresses security and electrical upgrades in the Franklin Complex Administration Building, as well as additional scope of work items relative to furnishings and updates to computer controls for the HVAC units. Engineering staff reviewed the change order and recommended its approval.

The Committee will recommend that the Board approve Change Order No. 6.

G. Briefing on East Jefferson Foreshore Protection Pilot Projects.

Mr. Humphreys explained that the USACE constructed the LPV 01.2 (Reaches 1 and 2) and LPV 2.2 (Reaches 3 and 4) foreshore protection projects along the East Jefferson lakefront, totaling approximate 5.3 miles in length, with the following limits: Reach 1 – West Return Wall to Duncan Canal; Reach 2 – Duncan Canal to Elmwood Canal; Reach 3 – Elmwood Canal to Suburban Canal; and Reach 4 – Suburban Canal to Causeway. A rock dike was constructed in the lake by dropping 2,000-lb. rip-rap from a

barge onto geo-synthetic material. After establishment of the rock dike, sand was pushed into the lake from the existing shoreline. The sand was built up until it was above the water and a 2-ft. clay cap was placed on top. Photographs were shown of the current conditions along the foreshore protection. The rock dike was engineered with a crest elevation of +4.5-ft. and a width of 5-ft.; however, the dike is now irregular and non-uniform. A recent survey revealed that the crest in one section is at elevation +1; therefore, 3.5-feet of settlement occurred. In addition, a 45-foot wide by about two feet deep hole eroded behind the dike at many locations due to wave action from tropical events and northeasters.

The three options included in the proposed pilot program are:

- Option 1 – Widened Rip-Rap - Pilot Project Site 1 (located in Reach 1) - Backfilling the hole with 40-lb. rip-rap in lieu of the 2,000-lb. rip-rap with geogrid. Some settlement will probably occur due to the uncompacted sand base; however, the settlement should be lessened. This is the costliest of the three options and will only be included for Reach 1 (35-ft. by 100-ft. site).
- Option 2 – Salt Marsh and Sod - Pilot Project Sites 3 and 4 (located in Reaches 2 and 3) – Backfilling the hole and planting salt water resistant marsh grass.
- Option 3 – Vegetated Articulated Concrete Block - Pilot Project Sites 2 and 5 (located in Reaches 1 and 3) – Placing articulated concrete blocks vegetated with salt resistant grass and anchoring.

The estimated cost to implement Option 1 over the entire area (5.3 miles) is \$8 million, Option 2 is \$4 million and Option 3 is \$6 million. Two test projects are proposed at an estimated cost of \$115,000 for the project that includes all three options, and \$95,000-\$100,000 for the project that includes two options (excludes the rip-rap alternative). Bids are anticipated to be requested in time to have the test sites in place for monitoring over the winter.

Mr. Morgan inquired about options utilizing soil stabilization and asphalt. Mr. Humphreys responded that the options have not been limited to the three proposed at today's meeting, which were the options that had been prepared by Engineering staff as of this point. Additional options will be considered. Mr. Boese noted that discussions are on-going between FPA, USACE and CPRA regarding the settlement that had occurred along the foreshore protection. Mr. Humphreys added that the alternatives will last for a certain length of time; however, without the rock dike the issues will reoccur. The USACE advised that the rock dike is included in the General Reauthorization Report; however, funding will have to be authorized by Congress. It was pointed out that the levees are not at any risk at this time.

H. Discussion of amendment of FPA's request to the State of Louisiana Capital Outlay Program (COP) to fund certain FPA projects for Fiscal Year 2020-2021.

Mr. Humphreys explained that the Board approved the FPA's Fiscal Year 2020-2021 COP funding request for the Surge Barrier Public Safety and Public Educational/Visitors

Center Complex. An additional project, Terrorism Prevention and Emergency Response Command Center, Security Cameras and Perimeter Fencing, was identified for which COP funding should be requested. Federal funding is also being sought for this project. The prior resolution will be amended to include the additional project. Wilma Heaton, Director of Governmental Affairs, advised that the project was generated by Superintendent of Police Kerry Najolia and Orleans Levee District Police Captain Michael Brenckle; however, the protection includes the perimeter flood defense system. Mr. Boese added that the project is part of the FPA security upgrades for critical infrastructure.

The Committee will recommend that the Board approve the COP funding request.

There was no further business; therefore, the meeting was adjourned.