

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY–EAST
BOARD MEETING
THURSDAY, JULY 20, 2017**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority-East (Authority or SLFPA-E) was held on July 20, 2017, in the Franklin Avenue Administrative Complex, Meeting Room 201, 6920 Franklin Avenue, New Orleans, Louisiana, after due legal notice of the meeting was sent to each Board member and the news media and posted.

Mr. Hassinger called the meeting to order at 11:00 a.m. and led in the pledge of allegiance. Mr. Kemp called the roll and a quorum was present:

PRESENT:

Lambert J. Hassinger, Jr., President
Richard A. Luettich, Jr., Vice President
G. Paul Kemp, Secretary
Mark L. Morgan, Treasurer
Clay A. Cosse
Quentin D. Dastugue
Andrew J. Englande
Jason P. Latiolais
Herbert I. Miller

ABSENT: None

ADOPTION OF AGENDA:

A motion was offered by Mr. Morgan, seconded by Mr. Luettich and unanimously adopted, to adopt the agenda.

**RESOLUTION NO. 07-20-17-01 –
APPROVAL OF JUNE 15, 2017 BOARD MEETING MINUTES**

On the motion of Mr. Luettich,
Seconded by Mr. Miller, the following resolution was offered:

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the minutes of the Board Meeting held on June 15, 2017.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan
NAYS: None
ABSENT: None

EMPLOYEE RECOGNITION AND APPRECIATION:

Mr. Hassinger advised that each month the Board takes the opportunity to recognize someone who goes above and beyond in contributing to the success of the organization. The Authority realizes that its success depends on people at the ground level and leading the organization in the day-to-day operations. The Board recognized Tim Pisciotta as the Employee of the Month. Tim Pisciotta has been employed as an Electrician Specialist for four years and has been a major asset utilizing his skills and knowledge of complex electrical and mechanical systems. His knowledge of solutions for limited access methods resulted in his design of a movable platform for access under the GIWW surge barrier cap for water retaining electric manholes, in the installation of more modern waterproof fuses and taps along the lakefront, and for trouble shooting the aged Franklin complex electrical system resulting in needed repairs and modernization. He was recently involved with diagnosing the Caernarvon Sector Gate electrical issues in conjunction with a USACE contractor that aided in the test operation and completion of the contract. Mr. Pisciotta was one of the Authority's representatives sent to the Netherlands last year to attend the I-Storm conference in order to gain and share knowledge of maintenance requirements developed for surge barrier structures. Mr. Pisciotta has a great work ethic, plans his jobs well, and completes his work in a timely manner. Mr. Hassinger presented Mr. Pisciotta with a Certificate of Commendation for outstanding public service.

OPENING COMMENTS: None.

PUBLIC COMMENTS:

Scott Hedlund, attorney representing TKTMJ, stated that TKTMJ is the low bidder on the next Erosion Control Reach Project (Reach 1C, 2A, 5B). As of forty-eight hours ago there was a motion on the agenda to award and execute the contract for the project. Mr. Hedlund stated that there is a belief that someone may challenge TKTMJ as the low bidder; however, his understanding was that the challenge has not yet happened. The agenda item was changed because of the concern from the award and execution of a contract to seeking the Attorney General's (AG) opinion regarding the contract. He advised that he has been in contact with Nyka Scott, SLFPA-E Executive Counsel, and that they have had several conversations. TKTMJ has agreed under R.S. 38:2215 to an additional thirty days. He stated that ultimately he did not think this action would impact the final award of the contract and that it would not delay the project in a significant way. However, he requested that the process be split so that the award is made under R.S. 38:2215(a). A sixty day window would be provided in which the contract could be executed under R.S. 38:2215(b) and the Authority could seek the AG's opinion. This would apply pressure to someone who does not have a stake in the process as yet and is able to do nothing while waiting for the AG's opinion. The Board could take action at its next meeting regarding the execution of the contract.

PUBLIC HEARING:

Final Report: Probabilistic Performance Analysis for all major structures in the Hurricane and Storm Damage Risk Reduction System (HSDRRS) and Redevelopment of Operations and Maintenance Manuals and Emergency Action Plans. – Tetra Tech, Inc.

David Moore, P.E. (Tetra Tech) provided the presentation on the Probabilistic Performance Analysis for all Major Structures in the HSDRRS and Redevelopment of Operations and Maintenance Manuals and Emergency Action Plans. He reviewed the outline of the presentation, which included the project background/history, review of overall project objectives, Phase 1 and Phase 2, the framework and elements that comprise the risk study, the risk-informed decision support tool, the results of the analysis, the proposed risk reduction measures and future applicability, and how the tool can be used in going forward.

Mr. Moore explained that due to the need to make informed maintenance and operations decisions, the Authority decided to take a risk-based approach in examining the nine complex gate structures within the HSDRRS [Bayou St. John Sector Gate, Seabrook Complex Structure (vertical lift gates and sector gates), Bayou Bienvenue Sector Gate, Bayou Bienvenue Vertical Lift Gate, GIWW East Closure Sector Gate, GIWW East Closure Bypass Gate (Barge Gate), Bayou Dupre Sector Gate and Caernarvon Sector Gate]. The goal of the study was to further reduce risks through:

- Additional On-hand Spare Parts
- Additional Operation and Maintenance Procedures
- Emergency Contracts
- Written Procedures or Updated Written Procedures
- Maintenance Activities
- Proposed Repairs

Mr. Moore explained that the study focuses only on the gate structures and is not a condition assessment or a study of the entire system. The study did not identify any immediate cause for concern for public safety. The risks presented in the study are relative not definitive. He reviewed the project objectives:

- Manage risks associated with closure of the nine gates during a hurricane or tropical storm warning
- Identify the main risk contributors
- Identify an initial set of potential risk reduction measures
- Provide a foundation for developing a risk-informed maintenance program – Risk-Informed Decision Support Tool

Mr. Moore advised that the risk analysis was accomplished under Phase 1 of the project. Phase 2 consisted of a quantitative assessment and making risk informed

decisions. Some measures identified in the study were implemented prior to the completion of the study. Volume 1 of the report (Phase 1) includes the HAZOP (hazard operability) Study, failure modes analysis and fault tree analysis. Volume 2 (Phase 2) further defines the Phase 1 analyses and includes system consequences and risk reduction recommendations. A HAZOP workshop was conducted to look at risks from an operations standpoint. Each gate structure was assessed individually, including plans, specifications, and operations and maintenance manuals, to determine the various components of the structure that allow the gate to close (operate) as designed. Tetra Tech assessed 549 different combinations looking at severity levels and frequencies. A block diagram was developed for each gate system indicating the normal course of operation and backup systems and redundancies. The block diagram was used to develop a fault tree. The fault tree considers potential combinations of events that may lead to a failure. Two types of logic diagrams were used (series system and parallel system). Examples of the fault tree diagram, block diagram and logic diagram were reviewed.

Mr. Moore explained that the next step was the development of the failure modes and effects analysis (FMEA), which uses verbal descriptions (rather than the fault tree approach) for each of the events that could lead to a failure. The fault tree can be followed along while reading the FMEA. An example of the FMEA was reviewed.

Mr. Moore advised that, after the fault trees were developed, probabilities were assigned to components not working on demand. Resources reviewed and assessed included industry standards on equipment reliability, industry failure rates, U.S. Army Corps of Engineers (USACE) data and human reliability. Tetra Tech determined that many items could be recovered through repair; therefore, repair times were considered for certain components. Consideration was given to spare parts on hand. Repair/recovery time was then taken into account in the probabilities. Charts and graphs showing repair/recovery time impacts on failure to close probabilities were reviewed.

Mr. Moore explained that the next step was the determination of system consequences and annual probabilities. Event trees were developed that included several event levels and certain assumptions. Economic consequences were taken from the IPET study and updated. A table was reviewed indicating the annual probability of a potential failure versus weighted average incremental economic consequences. A risk reduction workshop was conducted after the system consequences were developed. Twenty risk reduction measures were developed. A matrix of the implementation of the risk reduction measures was reviewed. The matrix included the degree of difficulty to implement (low or high) and degree of importance (low or high). The Authority can review the matrix periodically to assess changes. The matrix can be maintained along with the Authority's maintenance database and can be expanded to include levees and floodwalls. He pointed out that the study is a baseline risk assessment.

Mr. Latiolais asked staff how often are structures exercised to ensure operability during an event. Robert Turner, SLFPA-E Director of Engineering and Operations, responded that most of the complex structures are operated weekly. The exception is the Barge Gate, which requires divers to ensure the sill is free of obstructions in order to fully close

the barge. The USACE's operations and maintenance manual allows the gate to be operated once each month by swinging the barge, but not sinking it. The Barge Gate must be fully closed once or twice a year, assuming that no hurricanes or tropical storms required its closing. Mr. Moore commented that operating the Barge Gate more frequently may have the opposite of the intended effect and pointed out that the risk drivers are the pump system and windlass system. Mr. Turner explained that the USACE originally intended for the Barge Gate to be kept closed and that it only be opened when the Sector Gate was being repaired; however, during the course of the design-construction process, the USACE changed the operating parameters without changing the design of the Barge Gate due to environmental problems and issues associated with the navigation industry related to velocities flowing through the Sector Gate. He suggested that the Barge Gate be automated in the future and commented that the automation could be investigated in light of the study. Mr. Morgan suggested that the West Authority be brought into the discussion since it has the same experience with its barge gate.

Mr. Kemp commented that the study is an important part in the Authority's efforts to address future risks and in some instances to develop emergency procedures. He advised that Mr. Moore would be requested to return after the report is discussed by the Coastal Advisory Committee.

Mr. Luettich requested that Mr. Turner inform the Board concerning the next step and the future plan. Mr. Turner responded that the results of the report would be used in the decision making process to determine how the Authority would buy down risks. One way to buy down risks is by changing some of the maintenance procedures and revising the Authority's emergency procedures. He commented that the procedures provided by the USACE have gaps and do not have enough specificity. The tool provided as a result of the study should be incorporated in the Authority's operations and used and updated on a continuing basis. Mr. Luettich recommended that Mr. Turner communicate to the Board within the next two months a timeline for the implementation of the recommendations. Mr. Englande recommended that the assumptions be reviewed for their accuracy. Mr. Moore advised that the assumptions in the table can be updated.

Mr. Hassinger commented that Tetra Tech has given the Authority a blue print and a tool that can be used to substantially enhance the sophistication of its operation with respect to the complex structures. It will provide a culture change in dealing with the complex structures.

Mr. Hassinger asked for questions or comments from the public. There were no questions or comments from the public.

The public hearing portion of the meeting was closed.

PRESENTATIONS:

1. Proposal for Real-Time GPS Structural Monitoring – Cliff Mugnier, Chief of Geodesy, LSU

Mr. Kemp advised that the presentation is the result of a resolution adopted by the Board that was sponsored by former-Commissioner Stephen Estopinal.

Cliff Mugnier, Chief of Geodesy, Center for GeoInformatics, LSU, explained that the resolution adopted by the Board authorizes a not-to-exceed amount of \$75,000. LSU's field technician inspected the four sites recommended by Mr. Turner for the placement of antennas/equipment. The amount authorized in the resolution (\$75,000) covers the cost of the equipment and installation; however, additional monies are needed to support the system.

Mr. Mugnier explained that the National Geodetic Survey presented a report to Congress in 1998 or 1999 that stated that all elevation benchmarks in the State of Louisiana are obsolete and useless. The way to correct the problem is a combination of gravity surveys measuring the intensity of the earth's gravity field and the placement of GPS monitoring stations to assist engineers and surveyors, which takes into account subsidence. A map showed LSU's existing permanent GPS stations, which is the largest university owned GPS real time correction network in the world. The system receives GPS signals 24 hours/day-seven days/week. Engineers and surveyors subscribe to the LSU system to receive correction services so that they can obtain near instantaneous readouts of horizontal positions as well as true elevations. The network (C4Gnet) is fit together mathematically and tracks subsidence as a whole so that the position of any individual antenna that is part of the network is an average or smoothed over horizontal and vertical position.

Mr. Mugnier further explained that the GF-5 Absolute Gravity Meter is used to determine the absolute value of gravity at a point. He reviewed absolute gravity observation data obtained over a number of years. He noted that there are variations in local subsidence and differential subsidence due to soil and other conditions (e.g., thickness of Holocene or peat), which can cause differential movement of one spot with respect to another.

Mr. Mugnier advised that the system proposed by LSU would be reinforced with observations of relative gravity. Absolute gravity has been observed throughout the State at the location of GPS receivers. Therefore, differential subsidence is being tracked. The system proposed by LSU for the Authority for the four locations selected by Mr. Turner would be a separate network tracking individual movement. C4Gnet would only be used as a reference system. Additional locations could be included for approximately \$20,000 for each location including installation. The proposed system would provide real time notice of vertical movement of the structures 24 hours/day - seven days/week. He suggested that the Board consider the adoption of a resolution at its next meeting to accept the proposal. The total proposal for the four locations is \$147,000. The annual recurring expense for monitoring and maintaining the system would be approximately half the amount. Mr. Turner noted that the discussion at the

meeting in which the initial resolution was adopted indicated that there would be costs over time.

Mr. Dastugue asked would anyone else benefit from the monitoring performed for the Authority. Mr. Mugnier replied, no one. Mr. Luettich commented that it would be helpful if he could see the location of the stations already in place in the Greater New Orleans area and the extent that the Authority would be augmenting the current locations. Mr. Mugnier reiterated that the Authority's system would be separate from the C4Gnet network. C4Gnet is an overall solution where any individual movement is memed out to fit with the national solution for the National Geodetic Survey. Structural monitoring looks at individual movement of the antennas by themselves.

Mr. Luettich stated that it was hard for him to picture what is already there, what the Authority would be adding to it, and how what the Authority adds would provide additional critical information. Mr. Kemp explained that the Authority would be placing antennas on structures that concern the Authority. Mr. Turner advised that the locations for the four antennas was determined in consultation with Mr. Estopinal; i.e., the floodwall that is leaning in St. Bernard Parish, the Surge Barrier Sector Gate Complex, the Bayou Bienvenue Sector Gate and the Seabrook Complex. Additional antennas could be added in the future should movement be detected or expected in other areas. He explained that differential movement is critical, particularly at the Surge Barrier should the gates move at a different rate than the structure. He noted that differentials can also be obtained by regular high precision leveling.

Mr. Luettich stated that he supported the Authority having accurate information on subsidence relative to different parts of the HSDDRS. He inquired about utilizing a relocatable system that could be moved to multiple points around the system. Mr. Kemp explained that with the LSU system the Authority would be monitoring the behavior of certain particular structures through time. Mr. Turner added that Mr. Estopinal's concern about the Surge Barrier related to a potential geological fault that runs through the barrier. Two antenna locations were selected in order to determine whether there is an active fault. Mr. Kemp further explained that the purpose of the proposal is not to bolster the Authority's understanding of regional subsidence as much as to place attention on these particular structures. Mr. Mugnier advised that relocatable systems (e.g., LSU's 911 system) are used for detecting small incremental amounts of differential subsidence; however, the amount of movement detected is lost in the white noise. Long term observations, such as the example graphs provided in the presentation developed from individual COR sites in the network, are needed when looking for motion at a particular point. An antenna is needed at that point and individual processing is needed in lieu of it being a part of a network. A different type of mathematical analysis is needed to detect movement for a structure than the service provided by LSU for the State of Louisiana.

Mr. Luettich asked is a permanent installation required in order to obtain information useful to the Authority rather than using a portable station that could be relocated throughout the system with the Authority receiving more information about additional locations even if the information is less precise. He added that he is just attempting to think through how the Authority could best meet its needs.

Mr. Boese, SLFPA-E Chief Administrative Officer, explained that the Authority has discussed the placement of gages and different electronic sensors in various locations around the HSDRRS and that the Authority is working through the IT support structure (e.g., servers, internet connections, etc.). He voiced concern about creating yet another separate, standalone system that the Authority would have to maintain once the installation is completed and turned over. He requested that whatever system is approved be integrated into the Authority's support structure. Mr. Mugnier responded that the proposed system had the capability of accepting other types of sensors; therefore, it would monitor everything at the same time and would be available to the Authority.

Mr. Mugnier advised that the cost of the equipment, software and installation of four antennas is \$75, 000. Additional money is required for continuing maintenance and monitoring and tracking on a daily basis for one year. Additional antennas would have no effect on the continuing amount. Solar panels and cell phone connections to the LSU network would be provided for the antennas.

Mr. Morgan requested that Mr. Turner take the comments offered at today's meeting into consideration and return to the Board in a month or two with a recommendation.

Mr. Luettich stressed the importance of the Authority monitoring the HSDRRS; however, the Authority must determine the best method to optimally accomplish the monitoring.

The Board concurred that the remainder of the agenda items be taken out of order.

NEW BUSINESS:

RESOLUTION NO. 07-20-17-02 - APPROVAL OF AGREEMENT FOR FLOOD PROTECTION AUTHORITY OUTREACH AND EDUCATION PROGRAM

Mr. Morgan advised that the proposed agreement with Water Management Communications was discussed at the Finance Committee meeting. Mr. Boese explained that the agreement provides for the continuation of the Authority's outreach and education program. The Authority's old website (slfpae.com), as well as the East Jefferson Levee District (EJLD) and Lake Borgne Basin Levee District (LBBLD) websites, now direct users to the Authority's new website (floodauthority.org). Additional cleanup is needed before users can be directed from the Orleans Levee District (O.L.D.) website to the floodauthority.org site. The program includes continuing the expansion of the new website from an educational perspective that will include additional short videos. The program also includes a curriculum for K-12 students with a St. Bernard Parish School pilot program, as well as a museum type component, to educate the public about flood risks and the Authority. The negotiated agreement was reviewed by Mr. Hassinger and Mr. Luettich. He recommended that the Board approve the continuation of the program.

Mr. Morgan added that Ann Rheams, Water Management Communications Principal, would manage the Authority's overall communications program and that staff expressed

confidence in Ms. Rheams. He pointed out that the purchase of advertising (public service announcement) space or time would be an additional cost.

On the motion of Mr. Luettich,
Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) engaged the services of Water Management Communications for the period of October 24, 2016 through June 30, 2017, to begin the development and implementation of an Education and Public Outreach Program for the Authority; and

WHEREAS, the Authority desires to continue the development and implementation of the Education and Public Outreach Program and received a Scope of Services for the period July 24, 2017 through June 30, 2018 that includes costs for the services of Water Management Communications, as well as the associated professional services needed for the development and implementation of the program, with a total not-to-exceed amount of \$100,000.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the SLFPA-E Chief Administrative Officer to execute a Professional Services Agreement with Water Management Communications with a total not-to-exceed amount of \$100,000 to continue the development and implementation of the Education and Public Outreach Program for the period of July 24, 2017 through June 30, 2018.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 07-20-17-03 - APPROVAL OF ISSUANCE OF TASK ORDER TO ECM, INC. FOR INSPECTION SERVICES FOR THE CONSTRUCTION OF THE EJLD SAFE ROOM AND CONSOLIDATED FACILITY

Mr. Miller advised that the proposed task order was discussed by the Operations Committee and was recommended for approval. Mr. Boese explained that the contract for construction of the EJLD safehouse was awarded to Lamar Contractors, LLC. The architectural firm will provide routine architectural inspection services through its contract with the EJLD. However, based upon the complexity of the project and acknowledging past issues, a decision was made to recommend that a full time inspector be utilized. The task order provides for an on-site inspector to act as the Owner's representative for a period of one year. The task order would be issued under the Authority's Indefinite Delivery-Indefinite Quantity (ID-IQ) contract with ECM, Inc., and would include a not-to-exceed amount. Mr. Morgan noted that the not-to-exceed amount is about 2-1/2 percent of the construction cost and is reasonable.

On the motion of Mr. Morgan,
Seconded by Mr. Miller, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) by Resolution No. 05-18-17-12 authorized the award and execution of a contract to Lamar Contractors, LLC, for the construction of the East Jefferson Levee District (EJLD) Safe Room and Consolidated Facility; and

WHEREAS, the SLFPA-E entered into an Indefinite Delivery-Indefinite Quantity Contract with ECM, Inc., dated February 15, 2017, for Inspection Services; and

WHEREAS, the EJLD is in need of resident inspection services for the construction of the Safe Room and Consolidated Facility; and

WHEREAS, the estimated not-to-exceed cost of resident inspection services for the construction of the aforementioned facility over a one year period is \$238,640.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the issuance of a task order to ECM, Inc. with a not-to-exceed amount of \$238,640 for resident inspection services for the construction of the EJLD Safe Room and Consolidated Facility, and authorizes the SLFPA-E Director of Engineering and Operations to execute said task order and any and all other documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 07-20-17-04 - LAKEFRONT EROSION CONTROL PROTECTION ENGINEERING SERVICES CONTRACT EXTENSION PHASES 3 AND 4

Mr. Hassinger recused himself from the discussion and participation on this item.

Mr. Miller explained that the proposed amendment to the contract with Design Engineering, Inc. was discussed by the Operations Committee and recommended for approval. The fee limit of \$826,892.57 for Phase 3 is a reduction in the cost of the services due to the Authority lowering its rates for resident inspection and the consultant's acceptance of the new rates. The fee limit of \$690,322.93 for Phase 4 is a reduction in the cost of services for the same reason as Phase 3; however, additional tasks were added that increased the amount.

On the motion of Mr. Morgan,

Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, Design Engineering, Inc. was contracted by Resolution No. 8-21-14-05 to provide professional engineering services for the design, bidding, construction administration, testing, and resident inspection services for the Lakefront Erosion Control Protection project; and

WHEREAS, Design Engineering, Inc.'s contract expired on June 30, 2017 and an extension of services is required to complete the construction, administration and inspection of Phase 3 and the design and bidding of Phase 4; and

WHEREAS, as a condition of the contract extension, it was agreed that the engineering positions' rates be amended to match the SLFPA-E/CPRA approved ID-IQ contract rates and that the contract be amended to reflect the negotiated reduction of hours for some tasks.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the execution of an amendment to the contract between the Orleans Levee District and Design Engineering, Inc. to extend the contract to December 31, 2018 and to adjust Phase 3 - Construction Administration and Resident Inspection Services to reflect a not to exceed fee limit of \$826,892.57, and to adjust Phase 4 - Design and Bidding Services to reflect a not to exceed fee limit of \$690,322.93.

BE IT FURTHER RESOLVED, that funds for the Phase 3 and 4 engineering fee services are budgeted in the FY 2018 SLIP Fund.

BE IT FURTHER RESOLVED, that the SLFPA-E Director of Engineering and Operations is authorized to execute any and all necessary to accomplish the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RECUSED: Mr. Hassinger

**RESOLUTION NO. 07-20-17-05 –
REQUEST FOR LOUISIANA ATTORNEY GENERAL LEGAL OPINION**

Mr. Hassinger and Mr. Latiolais recused themselves from participation in this item.

Nyka Scott, SLFPA-E Executive Counsel, stated that she would like to seek an opinion from the Attorney General's Office in regards to some language in the bid specifications to ensure that the contract is awarded properly. Mr. Morgan reminded the Board that the public comment provided earlier in the meeting by Mr. Hedlund pertained to this item.

On the motion of Mr. Luettich,

Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East ("SLFPA-E") is the governing authority of the Orleans Levee District ("OLD"); and

WHEREAS, OLD published an invitation for bids for a seawall erosion control project; and

WHEREAS, there is certain language in the bid documentation that needs to be reviewed before the award of the contract to the lowest, responsible bidder; and

WHEREAS, the SLFPA-E Board authorizes Executive Counsel to request a formal opinion from the Louisiana Attorney General regarding clarification of the bid language and award of a contract to the lowest, responsible bidder.

BE IT HEREBY RESOLVED, that the SLFPA-E Executive Counsel is authorized to request a formal opinion from the Louisiana Attorney General regarding clarification of the bid language and award to the lowest, responsible bidder for the seawall erosion control project.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RECUSED: Mr. Hassinger and Mr. Latiolais

RESOLUTION NO. 07-20-17-06 - APPROVAL OF CHANGE ORDER TO CONTRACT FOR THE CONSTRUCTION OF LPV 00.2 LEVEE LIFT PROJECT

Mr. Miller advised that the Operations Committee reviewed the proposed change order. The primary change to the contract with Durr Heavy Construction, as well as the contracts with Phylway Construction and Beverly Construction with one exception, is the increase to the unit quantities. The contracts are unit price contracts. The Authority's surveys were about two years old with cross sections every 400-feet on center. Additional soil subsidence has taken place in the past two years. The contractors' survey cross sections were taken every 100-feet on center. The Operations Committee requested that the SLFPA-E Engineering Department consider performing its surveys with cross sections every 100-feet on center to minimize future changes.

On the motion of Mr. Morgan,

Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection-East (SLFPA-E) by Resolution No. 10-20-16-06 approved the award and execution of a contract with Durr Heavy Construction in the amount of \$1,374,706.00 for the construction of the LPV 00.2 Levee Lift Project; and

WHEREAS, Change Order No. 1 to the contract is required, which increases the contract amount to \$1,523,278.99, in order to adjust embankment, seed and mulching and silt fence quantities and to provide for the furnishing and installation of access gates, and to increase the contract period from 210 days to 224 days.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the execution of Change Order No. 1 to the aforementioned contract with Durr Heavy Construction to increase the contract amount to \$1,523,278.99 (an increase of \$148,572.99) for the construction of the LPV 00.2 Levee Lift Project and to increase the contract time from 210 days to 224 days, and authorizes the SLFPA-E Director of Engineering

and Operations to execute said Change Order and any and all documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

ABSTAINED: Mr. Latiolais

RESOLUTION NO. 07-20-17-07 - APPROVAL OF CHANGE ORDER TO CONTRACT FOR THE CONSTRUCTION OF LPV 01.1 AND LPV 02.2 LEVEE LIFT PROJECT

Mr. Miller advised that the proposed change order to the contract with Phylway Construction, LLC was discussed by the Operations Committee. The major increase to the contract is due to quantity increases. Mr. Turner explained that the change order also includes costs associated with the rebuilding of three ramps. The contractor was required to remove three to four feet of surface aggregate, in lieu of the anticipated six to eight inches, and replace the aggregate with embankment materials to reestablish the ramps at an acceptable grade to match the new levee elevation.

On the motion of Mr. Morgan,

Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection-East (SLFPA-E) by Resolution No. 11-17-16-05 approved the award and execution of a contract with Phylway Construction, LLC in the amount of \$2,277,395.00 for the construction of the LPV 01.1 and LPV 02.2 Levee Lift Project; and

WHEREAS, Change Order No. 1 to the contract is required, which increases the contract amount to \$2,934,573.10, in order to adjust embankment, separator geotextile and granular surfacing quantities, the removal of three half ramps originally shown to remain, the addition of temporary seeding, and the cost of additional concrete pavement at Ramp 4.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the execution of Change Order No. 1 to the aforementioned contract with Phylway Construction, LLC to increase the contract amount to \$2,934,573.10 (an increase of \$657,178.10) for the construction of the LPV 01.1 and LPV 02.2 Levee Lift Project, and authorizes the SLFPA-E Director of Engineering and Operations to execute said Change Order and any and all documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

ABSTAINED: Mr. Latiolais

RESOLUTION NO. 07-20-17-08 - APPROVAL OF CHANGE ORDER TO CONTRACT FOR THE CONSTRUCTION OF LPV 19.2 AND 20.1 LEVEE LIFT PROJECT

Mr. Miller advised that the proposed change order to the contract with Beverly Construction Co., LLC was discussed by the Operations Committee and was recommended for approval. The changes in the contract primarily relate to quantity changes. In addition, a concrete ramp in lieu of an asphalt ramp was constructed at the U.S. Coast Guard (USCG) facility in order to prevent having to disturb USCG operations a second time.

On the motion of Mr. Morgan,
Seconded by Mr. Cosse, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection-East (SLFPA-E) by Resolution No. 11-17-16-06 approved the award and execution of a contract with Beverly Construction Co., LLC in the amount of \$1,699,785.00 for the construction of the LPV 19.2 and LPV 20.1 Levee Lift Project; and

WHEREAS, Change Order No. 1 to the contract is required, which increases the contract amount to \$1,868,583.00, in order to adjust embankment, clearing and seed and mulching quantities, to provide for the furnishing and installation of access gates and changes to Concrete Ramp No. 7, and to increase the contract time from 210 days to 236.5 days.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the execution of Change Order No. 1 to the aforementioned contract with Beverly Construction Co., LLC to increase the contract amount to \$1,868,583.00 (an increase of \$168,798.00) for the construction of the LPV 19.2 and LPV 20.1 Levee Lift Project and to increase the contract time from 210 days to 236.5 days, and authorizes the SLFPA-E Director of Engineering and Operations to execute said Change Order and any and all documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

ABSTAINED: Mr. Latiolais

RESOLUTION NO. 07-20-17-09 - AMENDMENT OF CONTRACT WITH LOUISIANA PROPERTY ACQUISITION CO., LLC

Mr. Miller advised that the proposed amendment to the contract with Louisiana Property Acquisition Co., LLC was reviewed by the Operations Committee and was recommended for approval. Ms. Scott added that the right-of-way is being acquired in the French Market area; therefore, a number of property owners and issues are involved and additional work is required to obtain the clearances required by the USACE.

On the motion of Mr. Luettich,
Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E), on behalf of the Orleans Levee District, entered into a Contract for Professional Services with Louisiana Property Acquisition Co., LLC, dated October 6, 2016, with a not-to-exceed amount of \$49,500, for assistance with obtaining rights-of-entry in connection with the work being performed on the Mississippi River Levee at the Dumaine Street Floodwall; and

WHEREAS, the engagement period of the aforementioned contract expired on April 6, 2017; and

WHEREAS, there is a need to amend the aforementioned contract to increase the not-to-exceed contract fee by \$10,000, thereby increasing the total not-to-exceed contract fee from \$49,500 to \$59,500, and to extend the engagement period to October 6, 2017, in order to complete the work required to secure the necessary rights-of-entry.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the amendment of the Contract for Professional Services with Louisiana Property Acquisition Co., LLC to increase the total not-to-exceed contract fee from \$49,500 to \$59,500 and to extend the engagement period of the contract to October 6, 2017.

BE IT FURTHER RESOLVED, that the SLFPA-E Director of Engineering and Operations is authorized to execute the aforementioned amendment to the contract with Louisiana Property Acquisition Co., LLC, and any and all other documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 07-20-17-10 - A RESOLUTION AUTHORIZING THE ORLEANS LEVEE DISTRICT'S FULL PAYMENT OF THE DEBT FOR THE ITS PARTICIPATION IN THE STATE OF LOUISIANA'S GULF TAX CREDIT BONDS PROGRAM

Mr. Morgan explained that the Finance Committee discussed the O.L.D.'s full payment of the GoZone Bond debt. The O.L.D. currently owes the State of Louisiana \$19.8 million. The current interest rate of approximately five percent costs the O.L.D. about \$2,500 per day. Should the O.L.D. repay the debt in full at this time, it would still have sufficient reserve capability to cover anticipated expenses as well as reasonable emergencies. The Finance Committee recommended that the full amount of the debt be paid at this time. Kelli Chandler, SLFPA-E Regional Finance Director, is investigating the payment method in order to preclude penalties for early redemption of some investments. Ms. Chandler agreed with the recommendation to repay the debt in full at this time. The action will save the O.L.D. almost \$5 million.

On the motion of Mr. Morgan,
Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, on May 23, 2006, the Board of Commissioners of the Orleans Levee District (O.L.D. Board) adopted Resolution No. 12-0523-06, authorizing the Orleans Levee District (O.L.D.) to participate in the State of Louisiana's Gulf Tax Credit Bonds Program (GoZone Bonds); and

WHEREAS, Resolution No. 12-0523-06 allowed the O.L.D. to borrow a not to exceed amount of \$27,000,000, and specifically required that the loan be secured by the O.L.D.'s non-flood assets and that any Notes payable would be payable from the revenues of the O.L.D.'s non-flood assets; and

WHEREAS, on July 19, 2006, the O.L.D. Board entered into a Cooperative Endeavor Agreement (COE) with the State of Louisiana, Office of Community Development, for \$26,125,670.50, with an interest rate of approximately 4.6%; and

WHEREAS, in 2006, the Louisiana Legislature enacted Louisiana Revised Statute 38:330.1, et seq., (Enacting Legislation) creating the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) and the Non-Flood Protection Asset Management Authority (NFPAMA); and

WHEREAS, the enacting legislation stated that the SLFPA-E would have "all authority over and have management, oversight and control of the O.L.D. and that any obligations and unfinished business of the O.L.D. would be managed by the SLFPA-E;" and

WHEREAS, the enacting legislation also stated that any facility or improvement, within the SLFPA-E jurisdiction, that is not directly related to flood protection, drainage or water resource development, shall be managed and controlled by the NFPAMA; and

WHEREAS, the SLFPA-E by Resolution No. 02-16-17-05 authorized the amendment of the O.L.D. Board's Resolution No. 12-0523-06, Section 3, and the COE entered into with the State of Louisiana, to allow the O.L.D. to repay the indebtedness from any account that is solvent, in lieu of repayment of the loan from revenues generated by the non-flood assets, which have not generated any revenue since the COE was signed; and

WHEREAS, on March 3, 2017 the O.L.D. submitted payment in the amount of \$12,728,455.75 to the State of Louisiana to pay the indebtedness, which is amortized over a twenty year period, to-date; and

WHEREAS, in order to affect savings due to future interest costs, the O.L.D. desires to submit payment to the State of Louisiana for the full remaining amount of the debt (approximately \$19,813,503.82); and

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the Orleans Levee District to submit payment in the approximate amount of \$19,813,503.82 to the State of Louisiana in order to make full payment for the debt resulting from the O.L.D.'s participation in the State of Louisiana's Gulf Tax Credit Bonds Program (GoZone Bonds).

BE IT FURTHER RESOLVED, that the SLFPA-E Chief Administrative Officer is authorized to execute any and all documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

**RESOLUTION NO. 07-20-17-11 - VIOLET CANAL NORTH REALIGNMENT –
PHASE II BIDDING SERVICES, CONSTRUCTION ADMINISTRATION AND RESIDENT
INSPECTION**

Mr. Miller advised that the proposed task order to be issued to Tetra Tech was discussed by the Operations Committee and was recommended for approval. Mr. Turner explained that the task order is for the levee realignment work in the area of the Violet Canal. Mr. Luettich commented that Tetra Tech was essentially hired to lead the Authority and engineer the certification of the Forty Arpent Levee. The work at the Violet Canal is required as part of the process. However, Tetra Tech is now coming back as a contractor for the inspection services on this project. He requested that Ms. Scott ensure that there is no conflict or anything problematic regarding Tetra Tech providing the inspection services. Mr. Turner commented that normally the designer of the project provides the resident inspection services. Mr. Morgan noted that the question relates to whether there is a conflict with Tetra Tech's certification of the system at the end of the process after it designed the Violet Canal realignment project and provided the resident inspection services. Mr. Luettich stated that he would take action on this item pending the requested legal opinion.

Wilma Heaton, SLFPA-E Director of Governmental Affairs, advised that the project is required for FEMA certification; however, the funding for the Violet Canal Realignment Project is from a 404 Hazard Mitigation Grant Program (HMPG) grant being paid by FEMA monies. The grant requires a strict procurement process; therefore, she requested that Ms. Scott also ensure that the procurement requirements have been met so that the FEMA monies would not have to be repaid.

On the motion of Mr. Kemp,

Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, the Forty Arpent Levee in the Lower Ninth Ward and St. Bernard Parish must be certified in order to be accredited by FEMA for the National Flood Insurance Program; and

WHEREAS, by Resolution No. 11-15-12-06, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) approved the selection of Tetra Tech, Inc. for the purpose of entering into a Contract with said consultant to provide the professional engineering services required for the non-federal levee certification effort; and

WHEREAS, the SLFPA-E entered into a contract with Tetra Tech, Inc., dated February 8, 2013, and expiring on June 30, 2017, to provide the aforementioned services, with a not-to-exceed contract value of \$5 million; and

WHEREAS, by Resolution No. 10-16-14-02, the SLFPA-E approved the execution of Task Order No. 5 for work required in connection with the new protection alignment in the area of the Shrimp and Soap Factories on the Violet Canal; and

WHEREAS, the Lake Borgne Basin Levee District requires a Construction Administrator and Resident Inspector for the construction of the realignment and has negotiated bidding, construction administration and resident inspection services for Violet Canal North Realignment Levee project with Tetra Tech, Inc.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the issuance of a task order under the aforementioned contract with Tetra Tech, Inc. in the not-to-exceed amount of \$142,850.00 for Bidding, Construction Administration and Resident Inspection Services for the construction of the Violet Canal North Levee Realignment Phase II, and authorizes the SLFPA-E Director of Engineering and Operations to execute said task order.

BE IT FURTHER RESOLVED, that the SLFPA-E approved the extension of the period of service for the aforementioned contract with Tetra Tech, Inc. to June 30, 2018, and authorizes the SLFPA-E Director of Engineering and Operations to execute said extension, and any and all other documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 07-20-17-12 - AMENDMENT OF RESOLUTIONS NOS. 06-15-17-10, 16-15-17-11 AND 06-15-17-12

Mr. Luettich noted that the resolution before the Board corrects the funding source (FY 2018 Special Levee Improvement Fund Budget) in three resolutions that were adopted by the Board at its June meeting.

On the motion of Mr. Luettich,

Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East adopted the following resolutions at its meeting held on June 15, 2017:

Resolution No. 06-15-17-10 – Award of contract to Cycle Construction, LLC for the London Avenue Canal Levee Repair Project

Resolution No. 06-15-17-11 – Award of contract to Fleming Construction, LLC for the Lakeshore Drive Repair Project

Resolution No. 06-15-17-12 – Authorize execution of Task Order No. 13-01-01 with CH2M for the Orleans and London Avenue Canal portion of the Stability Analysis – Outfall Canals Project

WHEREAS, the aforementioned resolutions provide that funding for the projects is from the FY 2017 Special Levee Improvement Budget; and

WHEREAS, the resolutions are in need of correction to reflect that funding for the projects is from the FY 2018 Special Levee Improvement Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East hereby amends Resolutions Nos. 06-15-17-10, 16-15-17-11 and 06-15-17-12 to correctly reflect that the funding for the projects is from the FY 2018 Special Levee Improvement Budget.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan
NAYS: None
ABSENT: None

RESOLUTION NO. 07-20-17-13 –
CEA BETWEEN O.L.D. AND LBBLD FOR EQUIPMENT TRANSFER

On the motion of Mr. Luettich,
Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) is the governing authority over the Orleans Levee District (O.L.D.) and the Lake Borgne Basin Levee District (LBBLD) and is responsible for the operation and maintenance of the Hurricane and Storm Damage Risk Reduction System protecting the Greater New Orleans Area; and

WHEREAS, the O.L.D. possesses equipment that can be utilized by the LBBLD for grass maintenance operations for levees/areas associated with the flood protection system surrounding the Greater New Orleans area; and

WHEREAS, Art VII, Sec 14(C) of the Louisiana Constitution of 1974 provides that, for a public purpose, the State and its political subdivisions or political corporations may engage in cooperative endeavors with each other or with any other private association, corporation or individuals for a public purpose.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the Cooperative Endeavor Agreement (CEA) between the O.L.D. and LBBLD to transfer two tractors for use in grass cutting operations for levees/areas associated with the flood protection system surrounding the Greater New Orleans Area, and authorizes the SLFPA-E Director of Engineering and Operations to execute said CEA and any and all other documents necessary to accomplish the above.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan
NAYS: None
ABSENT: None

RESOLUTION NO. 07-20-17-14 - IHNC EAST NEAR OHV-17 DRAINAGE IMPROVEMENTS – AWARD OF CONSTRUCTION CONTRACT

Mr. Morgan explained that the proposed contract award was considered by the Operations Committee. The low bid in the amount of \$60,361 was submitted by Holliday Contractors, LLC. The engineer’s estimate for the project was \$55,000. The Operations Committee recommended that the Board approve the award of the contract to Holliday Contractors, LLC.

On the motion of Mr. Morgan,
Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, the area on the Flood Side of OHV-17 is experiencing poor drainage and standing water; and

WHEREAS, the Orleans Levee District (O.L.D.) received bids on July 18, 2017, for the IHNC East Near OHV-17 Drainage Improvements Project, as follows:

Bidding Contractors	Total Base Bid Price
Holliday Contractors LLC	\$60,361.00
Cycle Construction Company, LLC	\$68,692.00
Anders Construction, Inc.	No Bid
Gill’s Crane and Dozer Service, Inc.	No Bid
D&D Construction Louisiana LLC	No Bid
Durward Dunn Inc.	No Bid
Vogt Construction, Inc.	No Bid
Pads Concrete, Inc.	No Bid

WHEREAS, funds for this project are available from the approved FY 2018 Special Levee Improvement Fund Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority – East (SLFPA-E) authorizes the award of a contract in the amount of \$60,361.00 to Holliday Contractors, LLC, for the IHNC East near OHV-17 Drainage Improvements Project.

BE IT FURTHER RESOLVED, that the SLFPA-E Director of Engineering and Operations is hereby authorized to execute a contract in the amount of \$60,361.00 with Holliday Contractors, LLC, and to sign any and all other documents necessary to accomplish the above.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan
NAYS: None
ABSENT: None

RESOLUTION NO. 07-20-17-15 - LOWER THE TOPS OF VALVE PITS OHV-38 AND OHV-39 VALVE PITS IN MICHLOUD LEVEE

Mr. Miller advised that the Operations Committee reviewed the proposed increase in the contract amount for the contract with Cycle Construction Co., LLC and recommended approval. The project involved lowering the valves to assist grass maintenance operations. Several failed attempts were made to seal off the outfall pipe at the second valve; however, water from higher than normal tides kept getting into the valve box and the effort to seal the outfall pipe had to be abandoned due to the approach of Tropical Storm Cindy.

On the motion of Mr. Morgan,
Seconded by Mr. Luettich, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) by Resolution No. 03-16-17-08 authorized the award of a contract to Cycle Construction Company, LLC in the amount of \$59,981.00 for the project to Lower the Tops of Valve Pits OHV-38 and OHV-39 on the Michoud levee; and

WHEREAS, the initial plans included sealing off the outfall pipes prior to replacing the valve tops and backfilling the area; and

WHEREAS, the work, including sealing the outfall pipe, was completed at one valve box; and

WHEREAS, several attempts were made to dewater the second valve box; however, due to water produced from higher than normal tides from June 12 through June 16 and the deteriorated condition of the outfall pipe, the attempts failed and the contractor was directed on June 17 to abandon sealing off the outfall pipe and to replace the valve pit top in advance of Tropical Storm Cindy; and

WHEREAS, the additional cost for the additional work is \$15,944.55; and

WHEREAS, funds for this project are available from the approved FY 2017 Special Levee Improvement Fund Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority – East authorizes an increase in the contract amount from \$59,981.00 to \$75,925.55 for the contract with Cycle Construction Company, LLC for the project to Lower the Tops of Valve Pits OHV-38 and OHV-39 on the Michoud Levee, and authorizes the SLFPA-E Director of Engineering and Operations to execute any and all documents necessary to carry out the above.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

ABSTAINED: Mr. Latiolais

RESOLUTION NO. 07-20-17-16 - AUTHORIZATION TO EXECUTE AMENDMENT TO CONTRACT WITH ROTOLO CONSULTANTS, INC. FOR MOWING, STRING TRIMMING AND SPRAYING OF APPROXIMATELY (+/-) 355 ACRES OF LAKE BORGNE BASIN LEVEE DISTRICT LEVEES DENOTED AS LPV 145

Mr. Miller advised that the Operations Committee reviewed the proposed amendment to the contract with Rotolo Consultants, Inc. and recommended approval. The initial contract with Rotolo Consultants, Inc. was with the O.L.D. The contract is being extended to provide services for the LBBLD. The price of \$19.82 per acre per cut was considered reasonable by the Board.

On the motion of Mr. Luettich,
Seconded by Mr. Cosse, the following resolution was offered:

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) is charged with the responsibility of maintaining levees within its jurisdiction, including but not limited to the levee denoted as LPV 145; and

WHEREAS, LBBLD does not have the staffing required to maintain this section of levee; and

WHEREAS, LBBLD is currently contracted with Rotolo Consultants, Inc. (RCI) to perform similar services for LPV 146, LPV 147, LPV 148.02 AND LPV 149; and

WHEREAS, LBBLD wishes to amend its current contract with RCI to allow it to perform the same grass cutting/maintenance services to LPV 145, which contains 355 acres, at a cost of \$19.82 per acre per cut (\$7,036.01 per month); and

WHEREAS, the maximum number of cuts during the one-year contract period shall not exceed 12, thereby bringing the total contract cost to a not-to-exceed amount of \$225,710.16.

BE IT HEREBY RESOLVED, that the Southeast East Louisiana Flood Protection Authority-East Director of Engineering and Operations is authorized to execute an amendment to the contract with RCI on behalf of the Lake Borgne Basin Levee District to provide mowing, string trimming and spraying of approximately (+/-) 355 acres of the Lake Borgne Basin Levee District levee denoted as LPV 145 at a cost of \$19.82 per acre per cut (\$7,036.01 per month), with a total contract price of a not-to-exceed value of \$225,710.16.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

ABSTAINED: Mr. Latiolais

RESOLUTION NO. 07-20-17-17 - CEA BETWEEN THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY-EAST ON BEHALF OF THE LAKE BORGNE BASIN LEVEE DISTRICT AND ST. BERNARD PARISH

Mr. Turner explained that a section of the Violet Canal Realignment Project will be constructed by LBBLD forces and St. Bernard Parish employees; however, a Cooperative Endeavor Agreement is required with St. Bernard Parish Government. St. Bernard Parish Government will be reimbursed for the hours worked by their employees and for equipment utilization.

On the motion of Mr. Cosse,
Seconded by Mr. Morgan, the following resolution was offered:

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) is currently improving flood protection by the re-alignment and construction of a new portion of levee along the Violet Canal in St. Bernard Parish (“the Project”); and

WHEREAS, Art VII, Sec 14(C) of the Louisiana Constitution of 1974 provides that, for a public purpose, the State and its political subdivisions or political corporations may engage in cooperative endeavors with each other or with any other private association, corporation or individuals; and

WHEREAS, it is in the best interest of all citizens of St. Bernard Parish (“the Parish”) to have this Project completed as soon as possible; and

WHEREAS, in an effort to complete the 1st phase of this project in an expedited timeframe the construction will be done “in house” utilizing both LBBLD and St. Bernard Parish personnel and equipment and the parties wish to document their contributions to the Project in a CEA between them.

BE IT HEREBY RESOLVED, that the SLFPA-E approves and authorizes the President of the SLFPA-E or the Director of Engineering and Operations to execute a CEA between the LBBLD and the Parish.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Cosse, Mr. Dastugue, Mr. Englande, Mr. Kemp, Mr. Latiolais,
Mr. Luettich, Mr. Miller and Mr. Morgan

NAYS: None

ABSENT: None

Motion to accept the Final Report: Probabilistic Performance Analysis for all major structures in the Hurricane and Storm Damage Risk Reduction System and Redevelopment of Operations and Maintenance Manuals and Emergency Action Plans, dated June 2017, prepared by Tetra Tech, Inc. without endorsing or approving any of the specific recommendations therein, subject to further review.

Mr. Turner requested that the motion be deferred until the next Board meeting in order to provide an opportunity for the report to be reviewed.

A motion was offered by Mr. Morgan, seconded by Mr. Miller and unanimously adopted, to defer the motion before the Board to the next Board meeting.

COMMITTEE REPORTS:

Finance Committee: The Finance Committee met prior to the Board meeting. The Committee's recommendations were provided during the course of the Board meeting.

Operations Committee: The Operations Committee met prior to the Board meeting. The Committee's recommendations were provided during the course of the Board meeting.

Coastal Advisory Committee: The Coastal Advisory Committee did not meet during the month of July.

EXECUTIVE REPORTS:

REPORT BY CHIEF ADMINISTRATIVE OFFICER:

Mr. Boese reported that the organizational restructuring activities are progressing. The culture change initiative has begun and the group established for the initiative had its first meeting prior to the Board meeting. The organizational chart has been completed. Payroll and timekeeping processes are being standardized. Civil Service recently issued guidance regarding an across the board 2 percent pay increase and changes to the pay structure that will go into effect in January. Employees will be briefed regarding the Civil Service changes as the HR Department becomes more familiar with the details. New WiFi will be available at the Franklin Avenue Facility by July 24. Several improvements are being implemented as a result of Tropical Storm Cindy (e.g., upgrades to the Franklin Avenue system, new cell phone boosters, better backbone for the IT structure for the safehouse facility and cameras at Bayou Bienvenue). Reserve officers for the EJLD Police Department increased from 13 to 26 and the OLD now has 20 reserve officers.

REPORT BY DIRECTOR OF ENGINEERING AND OPERATIONS:

Mr. Turner reported that information was received that in all probability the USACE will fill the scour hole located on the flood side of the IHNC Surge Barrier near the south end of the bypass barge gate and provide a larger opening to reduce velocities at the interface with the sheetpile wall. Final approval is anticipated from USACE Headquarters within about the next month. The USACE's work on the Caernarvon Sector Gate structure has been completed and the structure is anticipated to be turned over to the LBBLD shortly. The Authority is very close to reaching an agreement on the contract with the firm selected to develop the permitting software.

The next regular monthly meeting of the Board will be held on August 17, 2017 and hosted by the O.L.D.

There was no further discussion; therefore, the meeting was adjourned at 1:00 p.m.