

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY–EAST
BOARD MEETING
THURSDAY, SEPTEMBER 15, 2016**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority-East (Authority or SLFPA-E) was held on Thursday, September 15, 2016, in the Orleans Levee District 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
Stephen V. Estopinal, Vice President
G. Paul Kemp, Secretary
Richard A. Luettich, Jr., Treasurer
Clay A. Cosse'
Mark L. Morgan

ABSENT:

None

OPENING COMMENTS:

Mr. Hassinger advised that the annual staff meeting with all Authority personnel will be held after the November Board meeting. He also informed the Board that John Lewis has been hired as the new SLFPA-E Human Resources (HR) Director.

Mr. Hassinger recognized and congratulated Chandra Chaffin, SLFPA-E Grants Administrator, for achieving the professional credential of Certified Grant Writer from the American Grant Writers' Association. She attended the Association's Program Development and Proposal Writing Workshop in August. The credential of Certified Grant Writer is the grants' industry standard for professionals in government and philanthropy. The certification demonstrates proficiency in grant writing, proposal writing, budgeting and professional ethics by attending an intensive hands-on five day workshop and passing a seven hour rigorous exam.

Mr. Hassinger recognized and congratulated Ruby Gethers, SLFPA-E Paralegal, for achieving certification from the International Public Management Association (IPMA) for Human Resources. The Authority's HR personnel were given the opportunity to join the IMPA. Ms. Gethers took part in the Public Sector Essentials Program, which lasted approximately six months and consisted of eight separate modules. Each module had to be completed in a four weeks span and after completion of the course information

she was required to pass a test on the module. Ms. Gethers successfully completed the HR Competencies course at the end of August and received a certificate of completion, which allowed her to test for the IPMA certificate, which she successfully passed on September 5th.

Mr. Hassinger advised that the Board takes the opportunity each month to recognize an employee who provides outstanding service. Orleans Levee District (O.L.D.) Levee Foreman Inh Souriyavong was nominated by his colleagues and supervisors for his superior work and his contribution to the Authority's ability to successfully accomplish its mission. Mr. Souriyavong was hired by the O.L.D. in 1981 and was promoted to Levee Foreman C in 2000. He is noted for being a very active foreman, always working with his crew and leading by example. His crew is extremely efficient due to his efforts. Mr. Souriyavong works very hard to ensure that his supervisors are kept up-to-date with on-going work and assists supervisors with planning future work. One of Mr. Souriyavong's recent accomplishments was working with his crew to clear the Bayou Sauvage Reforestation Mitigation site, which was turned over to the O.L.D. by the U.S. Army Corps of Engineers (USACE). The site was so overgrown that the electric fence intended to keep hogs away from the young trees was almost impossible to find and difficult to keep operational. It took Mr. Souriyavong's crew almost a week to complete the work; however, the result was nothing short of miraculous. It's rare to find a leader who can get so much work out of an undermanned crew. Mr. Hassinger presented a Certificate of Commendation for Outstanding Public Service and Commitment to Mr. Souriyavong and thanked him for his long and productive career at the O.L.D.

ADOPTION OF AGENDA:

Mr. Hassinger requested that Agenda Item XII.A.6 regarding public relations services be deferred. A motion was offered by Mr. Estopinal, seconded by Mr. Luettich and unanimously approved, to adopt the agenda with the requested deferral of Item XII.A.6.

RESOLUTION NO. 09-15-16-01 – APPROVAL OF AUGUST 18, 2016 BOARD MEETING MINUTES

On the motion of Mr. Kemp,
Seconded by Mr. Morgan, 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 August 18, 2016.

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

PRESENTATIONS: None.

PUBLIC COMMENTS:

Monica Salins, Executive Director of the Pontchartrain Levee District (PLD), explained that the PLD includes East Baton Rouge, Iberville, Ascension, St. James, St. John the Baptist and St. Charles Parishes. She stated that the purpose of her visit was not only to visit the Authority, but also to thank the individuals that she has worked with over her past 13 years at the PLD, and most importantly, during the August, 2016 flood event. She advised that Robert Turner, SLFPA-E Regional Director, contacted her on August 12th to offer assistance and remained in consistent communication with her during the entire event offering help. The Orleans Levee District provided 10,000 empty sandbags and 4,000 filled sandbags. The East Jefferson Levee District provided 4,000 empty sandbags and 4,000 filled sandbags. She thanked the levee district Executive Directors and their staffs for their assistance, and the Board for allowing the Authority and levee districts to share resources, assistance and manpower.

Herman Kooke asked that the Board do what it can to help develop the New Orleans East Lakefront. He explained that he owns a piece of property in Little Woods and that prior to Hurricane Katrina the O.L.D. had installed a gate on the levee and allowed the Little Woods property owners access in order to transport supplies to their properties. He asked that the O.L.D. replace the gate when the USACE completes the levee armoring project and only allow authorized individuals (key) access through the gate.

Carol Byram commented on the SLFPA-E's filing of litigation against the oil and gas industry, and the transformation of the Board from one where decisions were often made behind the scenes to a more inclusive and transparent Authority where flood protection is placed above personal agendas. The transformation began when Mr. Estopinal became President. She stated that Mr. Estopinal and Mr. Hassinger put the litigation aside and worked together to bring the Authority to a higher level. The nominating committee met to select names to send to the Governor to fill five Board positions for terms that have expired or will expire in a year, which include Mr. Cosse's and Mr. Hassinger's positions. She stated that she assumed that Mr. Cosse would be reappointed; however, Mr. Hassinger's reappointment is at risk. She pointed out the possibility of the appointment of five new Commissioners, and when added to the two recent new appointments, may result in seven Commissioners who would either be new or having served only one year. The original design of the Authority included a provision for the change of only two or three Commissioners at any one time when there were eleven Board members. The responsibilities of the Authority are extensive, complicated and include emergencies. She stated that during this high turnover that consistency and a deep understanding of the unusual challenges of the Authority are crucial. She commented that Mr. Hassinger lives within the Authority's jurisdiction and has been the key to sustaining the Authority's transformation. She asked that members of the public contact the Governor's office and request that he reappoint Mr. Hassinger.

Craig Berthold stated that he would like to thank Mr. Estopinal for his years of service on the Board.

Roy Arrigo commented that it was his understanding that this may be Mr. Estopinal's last Board meeting and that he wanted to thank him for service on the Board. He added that Mr. Estopinal brought much to the Board in the way of character and ethics, and that Mr. Estopinal had the courage to speak what he knew was right no matter how difficult it may have been.

Beverly Crais explained that her residence backs up to the West Return Floodwall. She advised that the only work that has been done in the area where her property is located was the driving of two wooden stakes behind her home. She commented on the damage to her home and property when the USACE's contractor used a wrecking ball to demolish the old West Return Floodwall and due to the fully loaded dump and cement trucks and heavy equipment utilized in the building of the new West Return Floodwall. When the floodwall was completed, the runoff was so bad that the USACE had to put in a drainage system, which proved to be inadequate. She pointed out that her property has been flooded 13 times. She stated that to her knowledge, all of the property owners' claims for damages have been denied. She commented on the inability of her family to use the property on many occasions due to the flooding and the inflicted damages. She asked for the Board's assistance with having the USACE fix the drainage system and compensation of the property owners for damages.

Brett Herr, USACE Project Manager, advised that the repair of the drainage pipe behind Mrs. Crais' property was included in the modifications issued to the USACE's contractor. The area south of West Esplanade Avenue was addressed first by the contractor and is essentially completed. The new pipe is currently at West Esplanade and it is just a matter of time before the contractor starts the work. Mr. Hassinger asked that Mr. Herr do whatever he can to maximize the communications with the people who are effected. Mr. Herr advised that he would send monthly updates to Mrs. Crais. He added that the contract is scheduled to be completed around the end of November.

Logan Burk with the Alliance for Affordable Energy (Alliance) explained that the Alliance is an electric utility consumer and environmental advocate for the State of Louisiana. She addressed an area of concern dealing with LVP 111 and LPV 109. She explained that it has come to the Alliance's attention that there has been an unusual amount of ground water pumping over the past sixty years at an Entergy natural gas plant located alongside the Paris Road Bridge. There have been a number of reports dating back about a decade, and more specifically a report that was issued in June, showing a clear correlation between the unusual amount of ground water pumping and the subsidence that seems to be happening in the Michoud area and along the levee reaches. She quoted from the report, "Subsidence rates in 2009 to 2012 support the conclusion that ground water withdrawal is the primary subsidence driver in areas with major industry around New Orleans, particularly in Michoud." She stated that the amount of ground water pumping that was happening in this area was generally 84 percent of the ground water used in the city each day and that it seems that this hot spot of subsidence is a direct link to the ground water pumping. The Alliance is concerned that Entergy is now interested in building another natural gas plant in the same location and will continue to

use ground water in the same location. She thanked the Board for allowing her to bring this issue to its attention.

COMMITTEE REPORTS:

Finance Committee: The Finance Committee did not meet during the month of September. Mr. Luettich reported that a number of well qualified applicants have applied for the newly established Finance Director position. Interviews were conducted yesterday by himself, Robert Turner, SLFPA-E Regional Director, Nyka Scott, SLFPA-E Executive Counsel, and John Lewis, SLFPA-E HR Director. He stated that he looked forward to an announcement in the near future as the process concludes. He also advised that he has been monitoring the progress on the Information Technology (IT) Upgrade Implementation. New firewalls have been purchased and new security software will be installed soon. The implementation will put the Authority and levee districts on the same IT platform with consistent systems.

Operations Committee: Mr. Estopinal advised that the Operations Committee did not meet during the month of September.

Legal Committee: Mr. Hassinger advised that the Legal Committee did not meet during the month of September.

Coastal Advisory Committee: Mr. Kemp advised that the Coastal Advisory Committee did not meet during the month of September. He noted that the data relied upon in a recent report discussing the high velocities flowing through the GIWW Barge Gate was inadequate and inquired about a more detailed report. Mr. Turner responded that the Authority's consultant, Arcadis, may be requested to do additional work for the next phase of the report. U.S. Geological Survey was retained by the SLFPA-E to reprogram the USACE's instrumentation in order to receive reasonable data. Mr. Turner advised that he has been monitoring the data over the past five to six months and the data now appears to be reasonable. Arcadis was charged with performing a search of all the available data and models and bringing the information under a single document so that the SLFPA-E would be able to determine the impact of the Barge Gate closure on the current velocities flowing through the Sector Gate and with the attempt to correlate the flow rates and velocities between the IHNC Surge Barrier and Seabrook Complex. The report points out the fact that there is not a lot of data and that some of the models actually conflict. Recommendations will be made. Mr. Hassinger suggested that a presentation be provided at the next Board meeting regarding the report.

REGIONAL DIRECTOR'S REPORT: Mr. Turner reviewed the highlights of the Regional Director's Report (copy appended to minutes) and provided the following additional comments:

- West Return Wall Runoff Project – The USACE's contractor completed driving the vinyl sheet pile along the reach from the Grand Lake Pump Station to West Esplanade Avenue. Geo-cell grid and stone aggregate are being placed adjacent to

the sheet pile wall. The contractor will begin work shortly in the areas between the lakefront and Vintage Drive and the area south of Vintage. The upcoming work includes pipe and culvert repairs and enlarging the swale to allow for additional storage during heavy rain events.

- ARM-02 Project – The USACE has almost completed the Orleans Lakefront Levee Armoring Project. A modification may be needed in the way the grass is cut on the levee crown due to the newly installed High Performance Turf Reinforcement Mat (HPTRM).
- Levee Lifts – The SLFPA-E has not yet received the 408 Permit from the USACE; however, approval has been received. The SLFPA-E began advertising for bids on September 14th for the construction of the LPV 00.2 Levee Lift Project. Bids are currently due on October 14th. The advertisement for bids for the construction of the LPV 1.1 and LPV 2.2 Levee Lift Projects will be published in the next couple of weeks.
- Velocity Study for Closure of the IHNC Surge Barrier Barge Gate – At the end of August Arcadis completed a Draft Report of the literature and model review for the analysis of flow conditions.
- Hurricane Season – Authority staff monitored Hurricane Hermine and precautionary measures were taken; however, no negative impacts were experienced. Staff is currently monitoring two tropical depressions. Mr. Hassinger commented that he participated in several conference calls with staff relative to Hurricane Hermine. He stated that he was impressed with the focus, urgency and professionalism exhibited by Mr. Turner, the levee district Executive Directors and their staffs when a hurricane or tropical storm approaches. Mr. Turner explained that the conference calls are a result of plans that have been previously put in place, after action reviews performed after previous events and the dedication of staff.
- Lakefront Airport Terminal Conference Center – The Conference Center buildout has been completed.

SLFPA-E EXECUTIVE COUNSEL'S REPORT: Nyka Scott, SLFPA-E Executive Counsel, reported on the following issues:

- A judgement was received from the Federal Court of Claims; however, an appeal was filed. Attorneys' fees will not be incurred due to the Forbearance Agreement.
- The Legal Department is in the process of drafting eight Intergovernmental Agreements or Memorandums of Understanding and the Indefinite Delivery-Indefinite (ID-IQ) Agreements for the 29 consultants recommended for selection.
- John Lewis, SLFPA-E Human Resources (HR) Director, met with the levee district Executive Directors and conducted a staff meeting with all HR personnel. Mr. Lewis developed a Social Media Policy, which was approved by the SLFPA-E Regional Director and transmitted to the levee districts, revised the SLFPA-E's Family and Medical Leave (FMLA) Policies to ensure compliance with Federal

law, and drafted an appropriate Conditional Job Offer Letter that will be used by all of the levee districts.

- A recent issue surfaced with retiree life insurance at the East Jefferson Levee District (EJLD), which is not currently under the Office of Group Benefits (OGB) plan. Only one company provided a quote to the EJLD for the coverage. Rates have increased while the coverage is being lowered. It is hoped that this issue will be resolved if and when EJLD joins OGB.
- Ms. Scott, Mr. Turner and Stevan Spencer, SLFPA-E Regional Chief Engineer, met with representatives of the Coastal Protection and Restoration Authority (CPRA) and others regarding the Manchac Mitigation Project, which the USACE is attempting to turn over to the SLFPA-E. A Section 1010 objection was filed by the group which includes the SLFPA-E.
- The Legal Department is in the process of responding to three public records requests.
- Grants Administration:
 - o The projects under the \$900,000 Community Development Block Grant (CDBG), which include the Land Bridge Study, a Levee Information Management System Project, a St. Charles/East Jefferson Internal Levee Study and System Wide Compartmentalization Study, have been completed and \$225,000 remains in the Grant. Mr. Turner and Chandra Chaffin, SLFPA-E Grants Administrator, will meet with staff to develop a formal project with a scope of work in order to utilize the remaining balance.
 - o The \$500,000 CDBG is in progress. Ms. Chaffin is working on an extension in order to complete the project.
 - o Ms. Chaffin and the SLFPA-E Internal Auditor are working on three FEMA Grant project close outs for the Orleans Levee District from Hurricane Katrina.
 - o Six grant applications have been submitted and eight applications are in process for various purposes. Four new grant opportunities are being explored. One of the opportunities is with AmeriCorps for interns to meet needs in several areas. Ms. Chaffin will be representing the SLFPA-E and participating in a job fair at UNO. Ms. Chaffin is also researching opportunities for potential funding streams for fourteen different projects.
 - o At its last meeting the Board approved participation in the Port Security Grant Program. The SLFPA-E received the official award letter on September 2nd. Ms. Chaffin will work with the SLFPA-E IT Consultant and the levee districts to implement the grant program.

Mr. Luettich recommended that the position of SLFPA-E IT Director be posted. He explained that an individual is needed in the position, particularly for the latter stages of the IT Upgrade Implementation Project. A number of decisions will be needed in the latter stages relative to important issues, such as concerning the unification of software

platforms. Ms. Scott advised that she would draft a job description and submit it to Mr. Luettich and Mr. Turner for approval.

NEW BUSINESS:

RESOLUTION NO. 09-15-16-02 - TO REAFFIRM THAT THE BOARD OF COMMISSIONERS WILL CONTINUE TO ALLOW THE LITIGATION CAPTIONED “SLFPA-E ET AL. V. TENNESSEE GAS PIPELINE COMPANY, LLC, ET AL” TO PROCEED THROUGH THE COURT SYSTEM

Mr. Hassinger advised that he requested that this item be placed on the agenda; therefore, he offered the motion that the Board reaffirm that the Board of Commissioners will continue to allow the litigation captioned “SLFPA-E, et al, v. Tennessee Gas Pipeline Company, LLC, et al” to proceed through the court system.

Mr. Morgan commented on the attempts that were made to find out his position on the lawsuit prior to his nomination to serve on the Board and that the lawsuit continues to be a distraction. He advised that he is retained by Tennessee Pipeline Company as an expert witness and represents the company as an expert witness in a number of lawsuits; therefore, he must recuse himself from voting on the resolution before the Board. A clarification was made that Mr. Morgan is not retained by Tennessee Pipeline Company relative to the SLFPA-E lawsuit.

Mr. Hassinger added that he placed the item on the agenda because he is constantly hearing rumors that the Board at any moment could move to kill the lawsuit, despite the fact that he said both publicly and privately to a variety of people that the rumors were not true. Therefore, he determined the resolution would be beneficial to help quell the rumors and concerns.

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

WHEREAS, several years ago the Board of Commissioners of the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) voted to institute litigation captioned “*Southeast Louisiana Flood Protection Authority-East, et al. v. Tennessee Gas Pipeline Company, et al*” (“the Litigation”); and

WHEREAS, the Board of Commissioners has, by prior resolution, affirmed its desire to continue to prosecute the Litigation; and

WHEREAS, since that time the Litigation has proceeded through the court system, and is now pending before the United States Fifth Circuit Court of Appeals; and

WHEREAS, while the Litigation has been pending in the court system, this Board of Commissioners has successfully and cohesively focused its attention on the numerous policy and operational matters that are essential to reducing the risks posed by hurricane and storm events.

BE IT HEREBY RESOLVED, that the Board of Commissioners reiterates that it will allow the Litigation to proceed to final judgment in the court system.

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

YEAS: Mr. Cosse, Mr. Estopinal, Mr. Hassinger, Mr. Kemp and Mr. Luettich

NAYS: None

RECUSED: Mr. Morgan

ABSENT: None

RESOLUTION NO. 09-15-16-03 - APPROVAL OF LEGAL SERVICES INVOICES

On the motion of Mr. Estopinal,

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

WHEREAS, the legal services invoices submitted to the Southeast Louisiana Flood Protection Authority-East (SLFPA-E), East Jefferson Levee District, Lake Borgne Basin Levee District and Orleans Levee District listed on the spreadsheet entitled "Legal Invoices Approved on September 15, 2016", have been reviewed and approved by the appropriate levee district Executive Director, the SLFPA-E Regional Director and the SLFPA-E Executive Counsel, and provided to members of the Legal Committee.

BE IT HEREBY RESOLVED, that the legal services invoices listed on the spreadsheet entitled "Legal Invoices Approved on September 15, 2016" are hereby approved.

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

YEAS: Mr. Cosse, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 09-15-16-04 - ID-IQ CONTRACTS FOR PROFESSIONAL CIVIL, COASTAL, GEOTECHNICAL AND HYDRAULIC ENGINEERING SERVICES, INSPECTION SERVICES AND SURVEYING SERVICES

Mr. Hassinger explained that the SLFPA-E issued Requests for Qualifications for various engineering, surveying and inspection services and received 110 submittals for the various professional categories. He stated that the SLFPA-E appreciated all of the submittals by the various firms. All of the submittals were incredibly professional and impressive and the amount of talent and skill in the community is remarkable, which made the job of the teams reviewing each category very difficult. He thanked the members of the various teams for their time and efforts. Mr. Turner reviewed the recommendations and a list of the top scorers was developed. It was noted that the listing of the firms reflected in the resolution is random.

Mr. Estopinal advised that he must recuse himself from voting on the resolution because his son works for one of the selected civil engineering firms.

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) and the levee districts under its jurisdiction have a need for Professional Civil, Coastal, Geotechnical and Hydraulic Engineering Services, Inspection Services and Surveying Services on an indefinite delivery-indefinite quantity (ID-IQ) basis; and

WHEREAS, the Board by Resolution No. 01-21-16-07 approved the advertisement of Requests for Qualifications (RFQs) for the aforementioned services for the purpose of selecting Consultants and entering into ID-IQ Contracts with said Consultants; and

WHEREAS, the Statements of Qualifications submitted in response to the RFQs were reviewed and competitively rated by selection teams, and each selection team provided its recommendation of Consultants for the purpose of entering into ID-IQ Contracts with said Consultants; and

WHEREAS, the ID-IQ Contracts shall be for an initial term of two years with an option to renew said Contracts for a one year period; and

WHEREAS, the ID-IQ Contracts for Civil, Coastal, Geotechnical and Hydraulic Engineering Services shall have a total not-to-exceed value of \$1,000,000 and the ID-IQ Contracts for Inspection Services and Surveying Services shall have a total not to exceed value of \$500,000.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) approves the recommendations of the selection teams and selects the following firms for the purpose of entering into ID-IQ Contracts with said Consultants for the services indicated:

Civil Engineering Services:

AECOM
Linfield, Hunter & Junius
HNTB
Stantec Consulting

Coastal Engineering Services:

CH2M Hill
Evans-Graves
Bob Jacobsen
Moffatt & Nichols

Geotechnical Engineering Services:

Eustis
Fugro
HNTB
Ardaman & Associates

Hydraulic Engineering Services:

Fenstermaker
Burk-Kleinpeter (BKI)
Linfield, Hunter & Junius
AECOM
Tetra Tech

Inspection Services:

ECM
Evans-Graves
AIMS Group
Atkins
Design Engineering, Inc.

Surveying Services:

Linfield, Hunter & Junius
Bryant Hammet & Associates
Chustz Survey
NTB & Associates

BE IT FURTHER RESOLVED, that the SLFPA-E Regional Director is authorized to negotiate ID-IQ Contracts with the approved Consultants and to execute the final ID-IQ Contracts with said Consultants.

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

YEAS: Mr. Cosse, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None

RECUSED: Mr. Estopinal and Mr. Hassinger

ABSENT: None

Discussion of implementation of the CORS (Continuously Operating Receivers System) network.

Mr. Estopinal advised that he requested that this item be placed on the agenda. He discussed the value of the CORS network. The SLFPA-E contracted with LSU C4G (geomatic section) to implement a network of CORS. The system continuously receives location data from the navigational satellites and uses the information to very precisely determine the height above the ellipsoid and the location of the receiver. This information is later translated into a very good tracking system for movement of the land surface. Louisiana is moving horizontally about ten times as fast as it is moving vertically. He stated that he could foresee the SLFPA-E in the future requiring that all of its survey contractors base their work on the C4G network. All of the vertical data would then be tied to the same system and same level of precision both vertically and horizontally. He commented that he would like to invite the different departments of public works of the various parishes to participate with the SLFPA-E and allow free access to information as long as the various departments have C4G capability so that their work can be incorporated. This would allow all of the vertical networks to be tied

together. The SLFPA-E would be able to identify hard surface locations, such as the tops of floodwalls, benchmarks and floodgates, and could frequently monitor elevations at a much lesser cost using the CORS network than has been done in the past using other methods. The SLFPA-E could potentially visit all key locations and collect elevation information on a monthly basis.

Mr. Estopinal noted that the St. Bernard Parish T-wall was constructed based upon a monument called "TED". The monument had a standard deviation of confidence in its vertical location of a decimeter (4-1/4 inches). He pointed out that the survey profession is not satisfied with information unless there is a 95 percent confidence level, which is three times the standard deviation. The SLFPA-E would be able to monitor the monument (TED) and compare its elevation with the structures that were built relying on it in order to determine whether the structures are remaining in relative position or moving in differential directions.

Mr. Estopinal explained that there are areas that have exhibited extraordinarily high subsidence rates. The center of the Paris Road Bridge over Bayou Bienvenue had a mark that was set in 1996. In a recent revisiting using CORS, it was discovered that the mark had moved about a-foot-and-a-half in twenty years. He stated that this issue should be monitored not only for potential impacts to the Hurricane and Storm Damage Risk Reduction System (HSDRRS), but also because Paris Road is one of the major evacuation routes for St. Bernard Parish. Geological exploration may be required in areas with high differential subsidence rates in order to identify potential fault lines and determine whether something must be done structurally to accommodate the HSDRRS to the fault line. The SLFPA-E may be able to determine whether or not the failure to account for the variety of subsidence rates and the possibility of geological faults causing sheer on the system constitute a design failure and whether another entity should pay the cost for potential modifications to the HSDRRS so that it will accommodate the conditions in which it was built.

Mr. Estopinal advised that coastal bathymetry could be updated using information from the CORS. He suggested that the SLFPA-E could then run storm surge models every five years. He encouraged that a worse case storm be used in the modeling and that the overtopping results be closely reviewed so that potential risks could possibly be addressed. He stressed that the Mississippi River and Pontchartrain Levee District levees should be included in all storm surge model runs.

Mr. Estopinal pointed out that the use of the CORS information would allow the SLFPA-E to accurately document its rights-of-ways (ROW) and property boundaries. He pointed out that the SLFPA-E is identifying all unnecessary property owned by the levee districts in order to place the properties back in the market. He recommended the development of a levee ROW boundary index using CORS data that is based upon real property boundary law.

**RESOLUTION NO. 09-15-16-05 - SOUTHEAST LOUISIANA FLOOD PROTECTION
AUTHORITY-EAST CAPITAL OUTLAY PROGRAM FUNDING REQUEST**

Mr. Turner advised that Capital Outlay Project (COP) funding requests must be filed by the end of October. The COP funding requests are the same last year's requests.

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

WHEREAS, the State of Louisiana COP funding applications are required to be submitted by November 1, 2016, with a Resolution requesting sponsor funding; and

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) has projects that require funding from the COP in order to initiate design and/or construction phases of said projects.

BE IT HEREBY RESOLVED, that the SLFPA-E by this Resolution formally requests the State of Louisiana COP to fund the following SLFPA-E projects for Fiscal Year 2017-2018 in the amounts shown:

A. SURGE BARRIER VISITORS CENTER/MECHANIC COMPLEX - \$4,000,000

**B. OUTFALL CANAL BANK EROSION CONTROL FOR ORLEANS LEVEE
DISTRICT AND EAST JEFFERSON LEVEE DISTRICT - \$3,500,000**

BE IT FURTHER RESOLVED, that the SLFPA-E does hereby certify, in accordance with the State Capital Outlay Act, the following:

1. There is no bond funding, other than State general obligation bond funding, sufficient to fund the above Capital Outlay request.
2. All local options for funding for this Capital Outlay request through taxation, special assessments, loans, bonds, or other resources have been considered and rejected as not being feasible or readily acceptable at this time.
3. There is no revenue source for these non-recurring project appropriations.
4. No surplus and/or unobligated funds are available.

BE IT FURTHER RESOLVED, that the SLFPA-E is committed to providing a local project match to the extent it is economically able to for the amounts required/recommended and necessary by the State.

BE IT FURTHER RESOLVED, that the SLFPA-E Regional Director be authorized to sign any and all documents necessary to accomplish the above.

BE IT FURTHER RESOLVED, that the SLFPA-E Regional Director is hereby authorized and designated to act on behalf of SLFPA-E in all matters pertaining to each of the aforementioned projects for which Capital Outlay funds are being requested including requests for State disbursements.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Cosse, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None
ABSENT: None

**RESOLUTION NO. 09-15-16-06 - EAST JEFFERSON LEVEE DISTRICT-
CAPITAL OUTLAY PROGRAM FUNDING REQUEST**

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

WHEREAS, the State of Louisiana COP funding applications are required to be submitted by November 1, 2016, with a Resolution requesting sponsor funding; and

WHEREAS, the East Jefferson Levee District (EJLD) has projects that require funding from the COP in order to initiate planning, design, land acquisition and construction phases of said projects.

BE IT HEREBY RESOLVED, the Southeast Louisiana Flood Protection Authority-East on behalf of the EJLD by this Resolution formally requests the State of Louisiana COP to fund the following EJLD projects for Fiscal Year 2017-2018 in the amounts shown:

**JEFFERSON PARISH LAKEFRONT EROSION PROTECTION REPAIRS,
REACHES 1 AND 2 - \$1,027,620**

BE IT FURTHER RESOLVED, that the EJLD does hereby certify, in accordance with the State Capital Outlay Act, the following:

1. There is no bond funding, other than State general obligation bond funding, sufficient to fund the above Capital Outlay request.
2. All local options for funding for this Capital Outlay request through taxation, special assessments, loans, bonds, or other resources have been considered and rejected as not being feasible or readily acceptable at this time.
3. There is no revenue source for these non-recurring project appropriations.
4. No surplus and/or unobligated funds are available.

BE IT FURTHER RESOLVED, that the EJLD is committed to providing a local project match to the extent it is economically able for the amounts required/ recommended and necessary by the State.

BE IT FURTHER RESOLVED, that the EJLD Executive Director be authorized to sign any and all documents necessary to accomplish the above.

BE IT FURTHER RESOLVED, that the EJLD Executive Director is hereby authorized and designated to act on behalf of EJLD in all matters pertaining to each of the aforementioned Projects for which Capital Outlay funds are being requested including requests for State disbursements.

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

**RESOLUTION NO. 09-15-16-07 - ORLEANS LEVEE DISTRICT
CAPITAL OUTLAY PROGRAM FUNDING REQUEST**

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

WHEREAS, the Orleans Levee District (O.L.D) has successfully obtained funding from the State of Louisiana Capital Outlay Program (COP) for the design and construction of several vital projects over the past years; and

WHEREAS, the State of Louisiana COP funding applications are required to be submitted by November 1, 2016, with a Resolution requesting sponsor funding; and

WHEREAS, the O.L.D. has projects that require funding from the COP in order to initiate design and/or construction phases of said projects.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East on behalf of the O.L.D. by this Resolution formally requests the State of Louisiana COP to fund the following O.L.D. projects for Fiscal Year 2017-2018 in the amounts shown:

A. Seawall Flood Protection Modification, Phase 4 (at Lakeshore Drive)	\$ 7,000,000
B. Bayou St. John Water Management Improvements	\$ 875,000
C. Highway 90 Land Bridge	\$ 5,000,000
D. New Police Building	\$ 1,000,000

BE IT FURTHER RESOLVED, that the O.L.D. does hereby certify, in accordance with the State Capital Outlay Act, the following:

5. There is no bond funding, other than State general obligation bond funding, sufficient to fund the above Capital Outlay request.
6. All local options for funding for this Capital Outlay request through taxation, special assessments, loans, bonds, or other resources have been considered and rejected as not being feasible or readily acceptable at this time.
7. There is no revenue source for these non-recurring project appropriations.
8. No surplus and/or unobligated funds are available.

BE IT FURTHER RESOLVED, that the O.L.D. is committed to providing a local project match to the extent it is economically able to for the amounts required/ recommended and necessary by the State.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director be authorized to sign any and all documents necessary to accomplish the above.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director is hereby authorized and designated to act on behalf of O.L.D. in all matters pertaining to each of the aforementioned Projects for which Capital Outlay funds are being requested including requests for State disbursements.

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

YEAS: Mr. Cosse, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None

ABSENT: None

RESOLUTION NO. 09-15-16-08 –

CONSTRUCTION OF LPV 109.02a AND LPV 111 LEVEE LIFT PROJECTS

Mr. Turner explained that the environmental assessment has been accomplished and the application submitted for the 408 Permit to raise LPV 109.02a and LPV 111. He recommended that the USACE be allowed to lift LPV 109.02a and LPV 111 while armoring the levee with the additional cost for the lift to be paid by levee district. This would negate the problem of having two different agencies coordinate two different contracts. The LPV 109.02a and LPV 111 levee reaches are not long enough to result in a substantial increase in cost by allowing the USACE to construct the lifts. He recommended that a cooperative agreement be executed with the USACE for the LPV 109.02a and LPV 111 levee lift projects. The estimated cost of raising LPV 109.02a is approximately \$3 million.

On the motion of Mr. Luettich,

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

WHEREAS, the U.S. Army Corps of Engineers (USACE) is performing \$250 million worth of armoring work on many of the Hurricane Storm Damage Risk Reduction System (HSDRRS) levees to prevent scour and breaching during overtopping events that produce storm surges and waves exceeding the 100-year (1% annual chance exceedance) design requirement; and

WHEREAS, the SLFPA-E Regional Director and Regional Chief Engineer, in consultation with the SLFPA-E Coastal Advisory Committee, the Louisiana Coastal Protection and Restoration Authority, the USACE, a subject-matter consultant hired to advise the SLFPA-E on the levee lift project and other experts, recommended that the following sections of levee be lifted before they are armored: LPV 00.2, LPV 20.1, LPV 19.2, LPV 01.1, LPV 02.2, LPV-109.02a, and LPV 111.01; and

WHEREAS, by Resolution No. 08-27-15-02, the Southeast Louisiana Flood Protection Authority-East approved the selection of the professional engineering firms to provide the engineering services required for the preparation of plans and specifications for the aforementioned levee lift projects; and

WHEREAS, it has been determined that the construction of the LPV 109.02a and LPV 111.01 levee lifts can be accomplished more expeditiously by authorizing the USACE to construct said projects in conjunction with the armoring of the levee segments; and

WHEREAS, the Orleans Levee District would be responsible for the cost of the levee lift portion of the USACE projects for LPV 109.02a and LPV 111.01.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the SLFPA-E Regional Director to execute a Memorandum of Agreement, and any and all documents necessary, to authorize the USACE to construct the LPV 109.02a and LPV 111.01 levee lift projects in conjunction with the armoring of the levees.

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

YEAS: Mr. Cosse, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None

ABSENT: None

**RESOLUTION NO. 09-15-16-09 - LAKE BORGNE BASIN LEVEE DISTRICT
CAPITAL OUTLAY PROGRAM FUNDING REQUEST**

On the motion of Mr. Estopinal,

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

WHEREAS, the State of Louisiana COP funding applications are required to be submitted by November 1, 2016, with a Resolution requesting sponsor funding; and

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) has projects that require funding from the COP in order to initiate planning, design, land acquisition and construction phases of said projects.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East on behalf of the LBBLD by this Resolution formally requests the State of Louisiana COP to fund the following LBBLD projects for Fiscal Year 2017-2018 in the amounts shown:

**A. REPLACEMENT OF CATENARY RAKES AT DRAINAGE PUMP STATION 4
\$1,500,000**

**B. DRAINAGE IMPROVEMENTS TO LA 46 ROADWAY IMPROVEMENT
PROJECT BETWEEN PARISH ROAD AND WEBSTER ROAD, PLANNING AND
CONSTRUCTION \$3,840,000**

**C. DRAINAGE PUMP STATIONS AND CHANNEL IMPROVEMENTS, LAND
ACQUISITION, PLANNING AND CONSTRUCTION \$36,150,000**

BE IT FURTHER RESOLVED, that the LBBLD does hereby certify, in accordance with the State Capital Outlay Act, the following:

1. There is no bond funding, other than State general obligation bond funding, sufficient to fund the above Capital Outlay request.
2. All local options for funding for this Capital Outlay request through taxation, special assessments, loans, bonds, or other resources have been considered and rejected as not being feasible or readily acceptable at this time.
3. There is no revenue source for these non-recurring project appropriations.
4. No surplus and/or unobligated funds are available.

BE IT FURTHER RESOLVED, that the LBBLD is committed to providing a local project match to the extent it is economically able for the amounts required/ recommended and necessary by the State.

BE IT FURTHER RESOLVED, that the LBBLD Executive Director be authorized to sign any and all documents necessary to accomplish the above.

BE IT FURTHER RESOLVED, that the LBBLD Executive Director is hereby authorized and designated to act on behalf of LBBLD in all matters pertaining to each of the aforementioned Projects for which Capital Outlay funds are being requested including requests for State disbursements.

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

YEAS: Mr. Cosse, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Morgan

NAYS: None

ABSENT: None

Mr. Hassinger expressed his appreciation to Mr. Estopinal for his service on the Board. He stated that when he was first appointed to the Board, there were a couple of issues that he and Mr. Estopinal disagreed about and the executive sessions were intense. He stated that Mr. Estopinal is a man of integrity and that the skill and commitment demonstrated by Mr. Estopinal and his focus on the mission of the Authority have been unequalled. He added that it has been a pleasure to serve on the Board with Mr. Estopinal and that many things have been accomplished.

The next regular monthly Board meeting will be held on October 20, 2016 and hosted by the East Jefferson Levee District.

There was no further business; therefore, the meeting was adjourned at 12:35 p.m.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST

REGIONAL DIRECTOR’S REPORT

September 15, 2016

HSDRRS Project Status Update

IHNC-01 – Seabrook Complex The final inspection for the painting of the Vertical Lift Gates was held on September 1, 2016. All punch list items have been adequately addressed and the facility is fully operational.

IHNC-02 – Lake Borgne Surge Barrier USGS and the Corps have made the necessary changes to obtain accurate real-time velocity readings at the Sector Gate structure. We are working with USGS to schedule velocity surveys that will be used to validate the reported data. USGS’s work has been temporarily delayed due to higher priorities associated with the riverine flooding in Louisiana in August, 2016.

The Corps is preparing a schedule to refurbish the two windlasses on the Bypass Barge Gate and replace the rusted hydraulic oil tanks. The gate will remain closed until all repairs are completed.

We are awaiting information from the Corps regarding a permanent fix for the scour hole discovered on the flood side of the surge barrier about 1000’ south of the Sector Gate.

LPV-03.2b.1- Landside Runoff The Corps’ contractor finished driving the vinyl sheet pile on the reach south of W. Esplanade Ave. Geo-cell grid and stone aggregate is being placed adjacent to the previously installed vinyl sheet pile.

The Corps’ contractor has begun the work to enlarge the existing swale (north of Vintage) and increase the berm height on the “house side” of the swale in selected areas. Additional work will include culvert repairs near the north end of the system, and installation of more catch basins.

PV-144A – Removal of Old Bayou Dupre Gates Both sector gate leafs have been removed and the new fender systems have been placed across the gate leaf recesses. A pre-final inspection was held on August 9th and a punch list was developed and is being worked by the Contractor.

The Corps will issue a modification to the Contract to fill a scour hole that has developed between the old and new structures.

LPV-146 – St. Bernard T-Wall The Corps issued the Notice of Construction Complete (NCC) document for this project on Sept. 5, 2014. Horizontal and

vertical displacement of several monoliths near LA Hwy 46 was recently discovered during quarterly inspections.

LBBLD developed a distress report that was submitted to CPRA on August 11, 2016. CPRA submitted the report to the Corps on August 23, 2016. The Corps visited the site on August 25, 2016 and we are waiting for a copy of their site visit report and recommendations. Meanwhile we will continue to monitor the wall monoliths at this location.

LPV-149 – Caernarvon Structure The coal tar epoxy coating on the sector gate leafs started peeling off in sheets shortly after the Corps issued the Notice of Construction Complete (NCC) document for this project. After we reported the problem, the Corps commissioned ERDC CERL Paint Technology Center to inspect the structure, determine the cause of the problem, and render a recommendation for repair. ERDC CERL determined that the problem was caused by inadequate surface preparation by the Corps' construction contractor. They recommended blasting and repainting the gate leafs.

The Corps awarded a contract to do this work, but it was delayed because of the internal process the Corps must now use to get approval to address construction defects.

Permanent Canal Closures and Pumps (PCCP) A status update for the three pump stations was sent to all Commissioners on September 12, 2016.

The Corps finalized emergency closure plans for the wall openings for the upcoming hurricane season. The contractor has removed approximately 50' of concrete I-Wall at the London Ave Canal. The opening was successfully closed for Hurricane Hermine, but has since been reopened. The opening at Orleans Ave Canal will be started later this month. Both openings are scheduled to be permanently closed before the end on December, 2016.

Please check the New Orleans District web site at www.mvn.usace.army.mil/missions/hsdrrs/pccp.aspx for details and regular updates on this last, major HSDRRS perimeter project.

SBPS-07 – Repairs to LBBLD Pump Stations #2 and # 3 The NCC for most of the work was issued by the Corps on September 1, 2016. A Stop Log Gate still needs to be constructed to restore access to the flood side of the levee between Pump Stations 2 and 6. This work will be added to the existing Contract and a separate NCC for the Stop Log Gate will be issued upon completion.

Armoring Work continues on the Orleans lakefront levees (ARM-02) and the New Orleans East Levee (ARM-04). A status update on all Armoring projects was sent to all Commissioners on September 6, 2016.

The Corps is still evaluating several alternatives to address the construction issues on the ARM-04 Project.

The Corps provided SLFPA-E with a cost estimate of \$2.8M for adjusting all of the land side levee slopes on LPV-111.01 to 1V on 3H. SLFPA-E has requested that the Corps add this work to the upcoming armoring project at full federal expense.

We asked the Corps to provide us with a cost estimate for a Corps constructed levee lift on the LPV-109.02a reach (South of I-10). The estimate came in at approximately \$3 Million. Allowing the Corps to do this work at our expense will accelerate the completion of the armoring work for this reach.

Manchac Dike Mitigation Project. This mitigation project provides protection to marshland along the western shoreline of Lake Pontchartrain near the Manchac Wildlife Management Area. The project includes a rip-rap dike approximately 5 miles long protecting dredged material placed adjacent to the existing shoreline. It provides mitigation for Lake Pontchartrain and Vicinity (LPV) Projects located in both the PLD and SLFPA-E. The final inspection was held on August 19, 2016. According to CPRA, PLD and SLFPA-E will be responsible for continued maintenance of the project after the Corps completes construction. A meeting will be scheduled with the LDWF and CPRA to explore additional options for future maintenance of the project.

Levee Lifts Prior to USACE Armoring The status of each project is listed below:

1. LPV 00.2: 408 Package was approved at USACE-HQ on 13 July 2016. USACE-MVD is reviewing the MOU which is critical for future credits and must be signed prior to construction. Final changes have been completed to the bid documents and the Project was first advertised on September 14th, 2016. Bids must be submitted by October 14th, 2016.
2. LPV 1.1 and LPV 2.2: 408 Package was approved at USACE-HQ on 1 September 2016. We will need to submit an MOU for the project prior to construction. We will need a task order with HNTB for engineering during construction and advertisement.
3. LPV 19.2 and LPV 20.1: 408 Package was approved at USACE-HQ on 1 September 2016. We will need to submit an MOU for the project prior to construction. We will need a task order with LH&J for engineering during construction and advertisement.
4. All comments have been addressed in the EA for LPV 109 and LPV 111.
5. LPV 109.02: 100% P&S was submitted to USACE-MVN on July 22th, 2016. We are waiting approval from USACE-MVN. The package will then be sent

to USACE-MVD for approval. We have requested that USACE-MVN construct the levee lift as a portion of the LPV 109.02 armoring project.

6. LPV 111: At the request of SLFPA-E, the Corps has agreed to raise approximately 4,000LF of the levee prior to armoring. Orleans Levee District will pay for the cost of the lift. LPV 111 MOA was sent to USACE-MVD on 29 July 2016. MOA approval is required before design can begin.

Mississippi River Projects

Jefferson Heights The Corps' contractor has completed raising segments of the Mississippi River Levee in East Jefferson. Site work, turf establishment and replacement of the asphalt bike path is ongoing. Several ramps servicing businesses on the batture are under construction. Tree removal and grass seeding has begun.

A Red Zone Inspection was held on July 20 2016. Project completion is scheduled for October 15, 2016. EJLD has submitted a punch list of items to be corrected prior to turn over and the Corps is reviewing it.

Internal Affairs

Surge Analysis Update On May 31, 2016 we met with representatives of CPRA and Arcadis to discuss a phased approach for the work. Arcadis agreed to submit a Scope of Work to CPRA.

Non-Federal Levee Certification Plans and specifications for both phases of the levee realignment near the Violet Canal are complete. All required right of way has been acquired and relocations completed.

The Benefit/Cost Analysis necessary for securing hazard mitigation grant funds for Phase II work was completed and submitted to GOHSEP, who reviewed it and passed it on to FEMA as "Cost Effective" with no other comments. We are awaiting FEMA's final approval of the grant.

Asset Management Phase 2 of the work to develop the software and data base necessary to effectively schedule and track operation and maintenance activities on our Complex Structures is ongoing. Teleconferences are scheduled every two weeks for status reviews and discussion of issues. A working template with dashboards is expected to be ready for user testing by the end of this month.

Emergency Preparedness and Response

The River stage at the Carrollton gage is now near 5' and is forecast to continue to fall to near 4' in the next 30 days.

Floodgate EB-5 (on Mississippi River) was damaged by a derailment of a N.O. Public Belt train car on July 2, 2016. Only the anchoring column was damaged. Demolition and repair plans are being finalized.

Preparations continue for the 2016 Hurricane season.

Tidal Gage Network The Corps has submitted three AFE requests for hardened tide gage station sites at Delacroix, Breakwater Park and Chef Menteur. The CPRA is preparing the necessary documents and checking property ownerships; we are awaiting project plans and specifications from the Corps before issuing the AFE.

Periodic Inspection All unacceptable PI items have been field-verified and photographed. Required information was submitted to the CPRA with the recommended resolutions in December, 2015.

A list and course of action for all remaining minimally acceptable items is being finalized. This work is ongoing, and a meeting was held with the CPRA to formulate an official responses to the Corps. A meeting was held with all three Districts on September 5, 2016 to review status and responses. The non-federal sponsor's official response is due to the Corps no later than December 2016.

Risk Assessment The Scope of Work for this project includes a Probabilistic Performance Analysis for the navigational flood gates in the LPV HSDRRS. The analysis will identify failure modes and recommend mitigation measures based on reducing overall risk. The results of this work will help to inform operation and maintenance plan enhancement for these complex structures.

Phase I is complete. Phase 2 of the work has been authorized and a kick-off meeting was held on May 4, 2016 with our Consultant and the OLD maintenance staff to discuss results of the Phase 1 Report and develop a path forward for the remaining work. CLARA modeling is currently underway with State provided information.

ID-IQ Contracts In response to our Request for Qualifications (RFQs), one hundred and three (103) Statements of Qualifications were submitted on May 13, 2016. The six disciplines (as approved by Board Resolution) are: Surveying, Geotechnical, Hydraulics, Coastal, Inspection and Civil Engineering. Recommendations for the specific firms will be made at the Board meeting on September 15, 2016.

The St. Bernard Subsidence Study was authorized to start on July 5, 2016. Data has been collected and a report was submitted on August 19, 2016. The frequency of future readings is still to be determined.

Tremaine Associates A revised SOW for Geophysical Investigations was issued. Work will restart within the month.

Velocity Study for Closure of the Barge Gate Arcadis has completed a Draft Report on the literature and model review for the analysis of flow conditions at the IHNC-GIWW sector gate and has furnished the report to Bob Turner on August 26, 2016. Historical gage data and previous modeling reports have been reviewed and compared; conclusions and model limitations have been noted in the report. The report summarizes what is known at this time regarding regional meteorological and hydrodynamic conditions that result in high velocities at the GIWW sector gate. Several historical events have been analyzed showing that both spring tide conditions and the passing of frontal weather systems have the potential to generate hydraulic head differentials that cause the high velocities at the GIWW sector gate. The report reaffirms that closing the barge gate increases the velocity at the GIWW sector gate and reduces the velocity at the Seabrook navigation gate.

Meetings and Items of Note:

The Coastal Protection and Restoration Authority Board meeting is scheduled for September 21, 2016, at 9:30 am at the LaSalle Building in Baton Rouge.

The Governor's Advisory Commission is scheduled to meet on October 5, 2016 (location TBD)

Governor's Advisory Commission Diversion Subcommittee Meeting is scheduled to meet on December 6, 2016 at the Center for River Studies Building in Baton Rouge.

The calendars of other meetings for the CPRA can be found at www.coastal.la.gov/calendar

New Contracts:

SLFPA-E – Weatherflow, Inc. – 5/23/16 – 5/23/17 - Weather station/water level sensors located at Bayou Bienvenue Vertical Lift Gate (5/23/16 - 5/23/17)
Installation and first year's maintenance NTE \$30,287.25

O.L.D. – Argote, Derbes, Graham, Shuffield & Tatje, Inc. – Appraisal of O.L.D. property at 5701 Pratt Drive – 7/1/16 (\$850)

Construction Projects:

Project	District	Status	Comments
System Wide Slope Paving	OLD	0%	Install slope paving where levees are difficult to maintain
IHNC Michoud Floodgate Painting & Repair	OLD	0%	Planned for 12/2016 thru 5/2017
GIWW Swale North of Gentilly Landfill	OLD	100% complete	OLD will complete fill 3 rd Quarter 2016
Seawall Steps Erosion Reach 4&5	OLD	100% complete	Final Punch List items remaining.
Seawall Steps Erosion Reach 2B	OLD	99% complete	Final Punch List items remaining.
Seawall Steps Erosion Phase 1 (Reach 1A/3B)	OLD	99% complete	Final punch list items remaining
N.O. Lakefront airport Conference Center	OLD	99% complete	Contract awarded
GIWW Surge Barrier, Ladder and Walkways	OLD	40% complete	Shop drawings approved. Materials on order, arrive October 2016.
Seabrook	OLD	100% complete	Inspecting damage to cards
Hayne Blvd. Drainage by E-13	OLD	75% complete	Contractor working; trying to mitigate standing water at floodgate E-13. Several change orders received due to unforeseen site conditions
IHNC – East	OLD	0% complete	Drain standing water between floodgate E-02 & E-01, east of Florida Ave. Bridge underway
IHNC – East	OLD	30% complete	Survey levee between floodgate E-03 & E-06, prepare P&S. Move drainage from flood side toe, survey complete, P&S beginning
BBSG Repairs	OLD	100%	Complete will repaint splash zone later
Lakefront Levee Drainage-UNO	OLD	100%	Completed July 2016, need more fill for standing water west of the new inlet.

Construction Projects (continued):

Project	District	Status	Comments
Seawall Steps Erosion (Phase 2-Reach 2c/2d/3c)	OLD	0%	TKTMJ lowest public bid at \$7.7M, awarded at July 14, 2016 Board meeting. Preconstruction meeting was held on Sept. 9, 2016.
Hayne Blvd. Levee	OLD	0%	OLD contractor to fill and seed low spots
17th St Canal Levee	OLD	0%	Remove concrete left on levee surface from OFC-05; fill and seed - OLD contractor
Remove OHV-15, 16 ORV-30; Replace OHV-23 & 24	OLD	0%	OLD contractor \$35,000 – informal bid
Slope Paving Repairs on MRL, near Carrollton and St. Charles	OLD	0%	Work pending completion of work on Henry Clay floodgate
Valve Box Repairs 38a-23a, Michoud Levee	OLD	0%	Top of valve boxes need cut down to facilitate mowing, scheduled spring 2017
Temporary Repairs to West Roadway	OLD	100% complete	
Repair Drains Under NSRR Tracks, on Lakefront levee in N.O. East	OLD	0%	Permitting completed
East Side London Canal Drainage Remediation	OLD	0%	Protected side holding water (900'+), needs regraded, permit to Corps still to be filed.
Clean Isolation Joints at Surge Barrier	OLD	100% complete	

Levee District Project Designs and Studies

Project	District	Comments
System Wide Slope Paving Installation	OLD	P&S for slope paving where levees are difficult to maintain
Outfall Canals Erosion	OLD	Study complete; design 90% complete; Stability analysis underway @CH2M
Lakefront Seawall Area Reach , 4&5	OLD	Design complete; construction administration
Lakefront Seawall Area Reach 2B	OLD	Design complete; construction administration 99% complete
Lakefront Levee Drainage Improvement East of UNO Ramp	OLD	Proposal under review – delayed until completion of ARM
Citrus Lakefront Levee Railroad Drainage Study	OLD	Investigation complete; design 95% complete. Received LNO from USACE (CPRA #14983)
Lakefront Seawall Area Phase 1	OLD	Construction, administration and inspection 99% complete
Bayou Bienvenue/Bayou St. John O&M Manuals	OLD	BBSG at USACE for review /BSJSG 70% complete fiscal 2017
Police Administration Building	OLD	Board has authorized
Cap Michoud Valve Pits (2)	OLD	P&S 70% complete OLD-start spring 2017
Seabrook Internal Tower Modifications	OLD	10% complete. Increasing size of HPU AC unit
MRT Floodgate Painting	OLD	50% complete
Lakefront Seawall Area Phase 2 (2c, 2d, 3c)	OLD	Construction Administration and inspection 0% complete
Lakefront Lake Marina Road Raising	OLD	Task Order extended. Work to start early 2017, pending PCCP work.
IHNC _ East	OLD	Low area water at East side Florida Ave. Bridge. P&S at 50%
Demolish and Repair Portions of Floodgate EB-05	OLD	Consultant preparing P&S, 50% complete
Phase 1 for engine upgrades at Pump Stations	LBBLD	Phase 2 funding is approved. LADEQ air regulatory were approved on June 8, 2016. Parish is preparing to bid out project.
Phase 1 for Safe Room Design HMGP approved by FEMA	LBBLD	Currently being advertised; bids were returned over construction estimate, will re-advertise w/bid alternates
Pump Station #6 pump repair and hangers at P.S. #7	LBBLD	P&S complete; preparing to advertise
Pump Station #6 Erosion Repair	LBBLD	P&S complete; preparing to advertise
EJLD Safehouse Complex	EJLD	Schematic design underway and on schedule for review mid-September.