

**MINUTES OF THE  
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY–EAST  
BOARD MEETING  
THURSDAY, AUGUST 27, 2015**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority-East (Authority or SLFPA-E) was held on Thursday, August 27, 2015, in the Orleans Levee District Franklin Administrative Complex, 6920 Franklin Avenue, Meeting Room 201, 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.

The roll was called by Mr. Tilly and a quorum was present:

**PRESENT:**

Lambert J. Hassinger, Jr., President  
Stephen V. Estopinal, Vice President  
Jefferson M. Angers, Treasurer  
Wilton P. Tilly, III, Secretary  
G. Paul Kemp  
Richard A. Luettich, Jr.  
Kelly J. McHugh  
Louis E. Wittie  
Tyrone C. Ben

**ABSENT:**

None

**OPENING COMMENTS:**

Mr. Hassinger thanked the leadership and staff of the SLFPA-E and member levee districts who performed all of the important tasks involved in the cleanup and restoration following the devastation that resulted from Hurricanes Katrina and Rita. He commented that the Hurricane and Storm Damage Risk Reduction System (HSDRRS) does not operate itself. It takes the day in and day out commitment of every member of the SLFPA-E and the levee districts. He expressed his appreciation to the SLFPA-E's and levee districts' staffs for their service and thanked the Commissioners who serve on the Board and volunteer their time and talent. The Board as currently constituted provides an effective, dynamic collection of backgrounds, experience and expertise that allows for a most effective flood authority. He stated that it is a privilege to serve on the Board with his fellow Commissioners. He made a recommitment on behalf of the SLFPA-E to carry out the mission of the Flood Authority—to protect the people and property in its jurisdiction from the threat of future storms and flooding. The SLFPA-E is the governmental entity whose sole charge is the unparalleled responsibility of protecting citizens and property from flooding. He extended a heartfelt thank you to the

countless number of people from around the world who gave so much of their time, talent and treasure over the past ten years and stated that their commitment has been awe inspiring. He asked for a moment of silence in honor of those individuals who lost their lives in Hurricanes Katrina and Rita.

Mr. Hassinger solicited comments from the Commissioners who served on the panels conducted during the past week on the 10<sup>th</sup> anniversary of Hurricane Katrina.

Mr. Kemp advised that he served on the panel on Tuesday that was moderated by John Snell. The panel was a mix of participants with a number of perspectives and was a moving experience.

Mr. Luettich reported that he served on the New Orleans Urban Water Panel on Wednesday which addressed the redesign of the interior drainage for the Greater New Orleans area. He commented that a great amount of effort has gone into this undertaking and several pilot projects were identified. He suggested that the SLFPA-E become a partner as this endeavor moves forward to ensure that future projects complement and enhance, as opposed to conflict, with the perimeter protection.

Mr. Estopinal commented on the excellent participation by the members of the panel on which he served on Wednesday. Participant members included Col. Richard L. Hansen, U.S. Army Corps of Engineers (USACE) New Orleans District Commander, and Cedric Grant, Director of the Sewerage and Water Board of New Orleans. The panel discussed 100-year protection, the criteria used in the design of the HSDRRS, whether the system meets the 100-year level of protection, changes to the storm threat potential for the metropolitan area due to subsidence, and plans to improve protection to attain a more reasonable level of protection for a metropolitan area.

Mr. Hassinger commented that over the past week there have been many articles and news stories on Hurricane Katrina and one observer commented that there is a general self-congratulatory atmosphere and complacency in the City which he found very disturbing. The observer continued by stating that people don't want to hear that they are still at risk. Mr. Hassinger stated that people in South Louisiana are not complacent and are not engaged in some sort of incessant high-fiving each other all over the place—they are strong, smart and do not quit. They understand the risks and have decided to move back and rebuild their lives and their families. They remember their loss and the good things that they possess.

Mr. Hassinger recognized members of the Orleans Levee District Police Department who were recently involved in two extraordinary events. Certificates of Commendation in recognition and appreciation of outstanding public service and commitment were presented to Police Officer (PO) Vance Bieniemy, PO Troy Johnson and PO Tramell Brooks who while working on an off-duty detail apprehended and arrested an armed criminal suspect on July 20, 2015 and brought a dangerous situation to a peaceful conclusion. Certificates of Commendation in recognition and appreciation of outstanding public service and commitment were also presented to PO Myron Beaulieu (who was working a nearby off-duty detail), Lt. Albert Pellitteri and Reserve Officer Ed

LeBlanc for the performance of extraordinary efforts to attempt to save a drowning victim on July 19, 2015.

Mr. Hassinger recognized City of Kenner Councilmembers Marcia DeFrancesch and Dominick Impastato, III.

**APPROVAL OF AGENDA:**

A motion was offered by Mr. Estopinal, seconded by Mr. Ben, and unanimously approved to adopt the agenda as presented.

**RESOLUTION NO. 08-27-15-01 –  
APPROVAL OF JULY 16, 2015 BOARD MEETING MINUTES**

On the motion of Mr. Tilly,  
Seconded by Mr. Estopinal, 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 July 16, 2015.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: None

**PRESENTATIONS:**

**SLFPA-E Status Report:**

Robert Turner, SLFPA-E Regional Director, advised that the 2006-2011 timeframe was an unprecedented period of flood protection construction in the Metropolitan New Orleans area. The USACE brought the flood protection system back to its pre-Katrina state by 2008. The Inner Harbor Navigation Canal (IHNC) floodwalls were overtopped in 2008 during Hurricane Gustav. Erosion protection constructed by the USACE at the base of the IHNC floodwalls prevented a failure due to overtopping. Several vessels broke loose in the IHNC during Hurricane Gustav. The HSDRRS was basically in place and providing 100-year protection by 2011. An example of pre and post-Katrina floodwall heights was shown (+12 to 14-ft NAVD88 pre Katrina and +32-ft. NAVD88 post Katrina). The IHNC Surge Barrier, located about 12 miles from the City of New Orleans, was constructed to an elevation of +26-ft. The major components of the HSDRRS, including the IHNC Surge Barrier and Seabrook Complex, interim control structures at the outfall canals and higher floodgates and levees, were in place and functional prior to Hurricane Isaac in 2012. The IHNC Surge Barrier is designed to be overtopped and the IHNC-GIWW corridor is designed to provide a storage basin for overtopping from a 100-year or 500-year event. The Caernarvon Floodgate replaced a much lower floodgate in St Bernard Parish.

Mr. Turner discussed the Mississippi River Flood Fight in 2011. The Mississippi River was over 17-ft. msl at the Carrollton Gage for about three weeks and over 15-ft. msl for more than five weeks. During this period of time inspections were conducted three times each day and workers were on the levee 24 hours a day/seven days a week. The Mississippi River Levee has since been raised several feet in Orleans and Jefferson Parishes.

Mr. Turner explained that the USACE is adding resiliency to the HSDRRS at this time through the placement of High Performance Turf Reinforcement Mat (HPTRM) on the levees. Transitional armoring was put in place at the levee-floodwall tie-ins.

Mr. Turner reported on the utilization of current technologies. A SLFPA-E website page is dedicated to the status of the navigation gates. An alert system is in place to send emails and text messages to subscribers concerning navigation gate closures. A module of the Levee Information Management System (LIMS) tracks floodgate status (closure and reopening) throughout the system (approximately 200 floodgates) and transmits this information to the Coastal Protection and Restoration Authority (CPRA) and area emergency managers. A database of levee district properties is under development and is being expanded to include flood protection structures.

Mr. Turner advised that the non-federal Maxent Levee System has been certified and will be accredited by FEMA. The certification effort is well underway for the certification of the non-federal 40<sup>th</sup> Arpent/Florida Avenue Levee System.

Mr. Turner reviewed some of the future goals of the SLFPA-E:

- Effectively Operate and Maintain Levee Systems
- Make use of emerging technology
- Lift Levees as required
- Update Surge Analysis
- Begin 2023 Levee Certification Effort
- Communicate Residual Risk to the Public

Mr. Kemp pointed out that the peak flood level on the Mississippi River occurred this year in August during hurricane season and suggested that this may be a forerunner for the future. He commented that despite today's currently robust system it is important to heed evacuation warnings.

### **Orleans Levee District Status Report:**

Gerry Gillen, Orleans Levee District (O.L.D.) Executive Director, reviewed the progress made over the past ten years. A number of O.L.D. employees did not return after Hurricane Katrina. The USACE took over many of the levee segments to construct repairs and improvements. As the USACE completed the HSDRRS projects, the O.L.D. has been increasing the number of skilled personnel and obtaining the necessary equipment to operate and maintain the system. The weekly, monthly, quarterly and annual inspections and maintenance of the complex structures (GIWW East Closure

Gate and Bypass Gate, Seabrook Complex Structure and Bayou Bienvenue Vertical Lift Gate) are being accomplished by a dedicated crew of seven individuals.

Mr. Gillen discussed the expanded inspection program, which includes:

- Quarterly Field Inspections of the entire system, which are submitted to CPRA, and follow up remedial action reports
- Annual USACE Field Inspections of the three polders
- Semi-annual Reports on the HSDRRS for the USACE
- Five-year USACE Periodic Inspections of the entire system
- Hurricane Pre and Post Event Inspections and After Action Reports

Mr. Gillen addressed capital improvement projects. A safe house that houses 100 personnel has been constructed at an elevation of +17-ft. and provides protection against winds up to 180 mph. An elevated backup generator has been added to the main generator. Renovations have been made to the Franklin Facility Administration Building, parking lot and grounds. A new police station is being planned for future construction. Approximately 11,075 linear feet of the Seawall Erosion Protection project has been completed or is currently under construction and 12,800 linear feet remains for future construction. The Florida Avenue Steel Sheet Pile Rehabilitation Project has been completed. A project to replace the rubber seals on 69 floodgates has been completed and the next phase of the project is underway. The Bayou Bienvenue 10-Year Cycle Dewatering and Maintenance Project has been completed. Future projects include the Outfall Canal Bank Erosion Projection Project, New Orleans East Levee Railroad Drainage Pipe Replacement Project and the GIWW East Sector Gate 10-Year Cycle Dewatering and Maintenance Project.

Mr. Gillen commended the field personnel for their hard work during the 2011 historic Mississippi High River Event, Hurricanes Gustav and Isaac and the day-to-day maintenance activities.

#### **East Jefferson Levee District (EJLD):**

Derek Boese, EJLD Executive Director, discussed changes since Hurricane Katrina. The 30-miles of levee and floodwall is higher and stronger and better foreshore protection has been provided. The HSDRRS protects almost 250,000 people in East Jefferson Parish and over \$2.3 billion of taxable assets, not including the Louis Armstrong International Airport. Post Katrina inspections take a significant amount of time and effort to conduct and track. Additional improvements are underway to make the flood risk reduction system even better, such as the USACE armoring program and Mississippi River Levee lift. The consolidated safe house/administrative complex is under design, which will place all of the EJLD's assets in a single location and provide a safe haven for employees who are on-duty during a storm.

Mr. Boese commented on improved relationships and interactions between the levee districts, CPRA, USACE, municipal partners and local police departments, which allows all of these entities to provide better service to the public and better flood protection. He

stated that the EJLD will continue its efforts to improve the system, become more efficient and will not let down its guard.

### **Lake Borgne Basin Levee District (LBBLD):**

Nick Cali, LBBLD Executive Director, explained that much of what has already been discussed applies to the LBBLD in terms of the improved inspection system and improved infrastructure. St. Bernard Parish was the most impacted parish in Louisiana from Hurricane Katrina. He commented on St. Bernard Parish's recovery since Katrina and noted that although the LBBLD is the smallest of the three levee districts in terms of population, it includes infrastructure that is critical to the region; e.g. two oil refineries, one of the largest sugar refineries in the world and a hospital. Since Hurricane Katrina the LBBLD has secured approximately \$8 million in Hazard Mitigation Grants to construct safe rooms to house employees on duty during a storm and to upgrade pump station engines. He noted the continuing improvement in community participation and in the LBBLD's collaboration with its peers across the state (e.g., SLFPA-W, DOTD, CPRA and parish government). He stressed the importance of sharing ideas and best practices and of working together as a collective body to provide mutual support during times of emergency. The LBBLD will move forward and continue to provide the best services possible for St. Bernard Parish.

### **Non-Flood Protection Assets Management Authority (NFPAMA):**

Wilma Heaton, SLFPA-E Director of Governmental Affairs and SLFPA-E representative on the NFPAMA Board, advised that the NFPAMA has come a very long way since Hurricane Katrina. The NFPAMA Board was created in 2010 and currently has 11 members. She introduced Cornelia Ullmann, NFPAMA Chief Operating Officer, and Ben Morris, New Orleans Lakefront Airport Director of Aviation. She noted that Ms. Ullmann and Mr. Morris work very hard with a very limited staff. The O.L.D. non-flood protection properties experienced about \$100 million of damage from Hurricane Katrina and as a result became non-revenue producing. Ten years after Hurricane Katrina the Lakefront Airport has gone into the black for the first time in 21 years. The NFPAMA is excited about the progress that has been made and the anticipated future progress.

Ms. Ullmann expressed her appreciation for the opportunity to address the Board and stated that she looked forward to working with its members to support flood protection. She also thanked SLFPA-E and O.L.D. staff members for working with the NFPAMA. The NFPAMA has about 20 employees to maintain 558 acres of green space, Lakeshore Drive, the recreational parks, two marinas (South Shore Harbor and Orleans Marina), Lakefront Airport and New Basin Canal properties. The NFPAMA is committed to bringing the non-flood protection assets back into commerce and doing whatever is necessary to return revenue for flood protection. She commented that through much effort, dedication and commitment the Lakefront Airport has blossomed and she encouraged the Commissioners to visit the Airport. The NFPAMA is currently fighting for an enhanced floodwall and flood protection for the Lakefront Airport. Airport management includes Ben Morris, Director of Aviation (former Mayor of Slidell and DEA agent), Chane Watson, Assistant Director of Aviation (Aviation Management degree

from Louisiana Tech-Ruston and 4-1/2 years' operations experience at Louis Armstrong International Airport), and Lauren Broussard, Landside Operations Manager, (Degree from Brigham Young (Chemistry) and a degree in Aviation Management from Louisiana Tech-Ruston). Both Mr. Watson and Ms. Broussard are pilots who have flown out of Lakefront Airport for many years.

Mr. Morris provided an update on Airport activities. In the next several days former Presidents Bush and Clinton will be arriving in New Orleans at the Lakefront Airport. A Graphic Information System (GIS) is being obtained and will be installed at the Airport and will be used to assist with the location of drainage and electric lines for which plans are not available. Staff has been heavily involved with FEMA in the attempt to obtain an approximately \$68 million Hazard Mitigation Grant for building a floodwall around the Airport. FEMA turned down the request, which was not unexpected, and arbitration will begin soon. Based upon information received from the tower when open and visual counts made by the Fire Department several hours after the tower closes at 6 p.m., the average daily operation count is about 178. Using a piece of equipment recently obtained on loan, it was learned that 25 percent of all operations occur after the tower closes and the firemen have gone. A meeting was held with the FAA on this issue and the local manager is in full support of keeping the tower open longer. Last month approximately 500 flights occurred without tower control. U.S. Customs and Border Protection will open an office in the Airport Terminal in December, which is anticipated to increase traffic. Four movies are preparing to begin filming at the Airport, which will produce welcomed revenue.

Mr. Morris advised that a meeting was held with the Department of Health and Hospitals (DHH) several weeks ago. DHH is planning to bring in seven or eight C-130 type military aircraft to evacuate critical care patients in the event of a hurricane. Ochsner Hospital and Children's Hospital will also be bringing in the same type of aircraft for the same purpose. The flights are expected to be completed about 30 hours prior to the landfall of a hurricane. He advised that staff has impressed upon FEMA the need to protect the over \$1 billion of assets on the air field, which includes 39 jet aircraft, 135 single engine and 40 to 50 twin engine aircraft based at the Airport.

### **PUBLIC COMMENTS:**

Public comments were received during the consideration of Item XIII.A.1.

### **COMMITTEE REPORTS:**

**Finance Committee:** Mr. Angers reported that the Finance Committee met immediately before the Board meeting. The Committee reviewed the status of a number of personnel positions. The O.L.D. Internal Auditor position will be filled by Louis Capo effective August 31<sup>st</sup>. The Committee discussed the establishment of a dedicated LAMP account for the deposit of the BP settlement monies, the transfer of \$500,000 from the LAMP account to the SLFPA-E Operating Account for cash flow and emergency reserve purposes, and the award of a contract to construct the buildout of office space for SLFPA-E personnel in the Airport Terminal.

**Operations Committee:** Mr. Wittie advised that the Operations Committee did not meet during the month of August.

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

**CPRA:** Nyka Scott, SLFPA-E Executive Counsel and CPRA Board member, reported that she attended the August 17<sup>th</sup> CPRA Board meeting. Several presentations were made, the majority of which related to monies coming from the BP settlement funds. Three pots of money were specifically discussed: the first for \$1.272 billion, the second for \$5 billion and the third for \$6.5 billion. Several probable or likely projects were discussed. The New Orleans East Landbridge and the Lake Borgne Basin Marsh Creation Project are two of the projects that are likely to be funded and involve two of the levee districts under the SLFPA-E's jurisdiction. The CPRA provided the status of levee lifts for several reaches under the SLFPA-E's jurisdiction. During the presentation the CPRA engineer indicated that LPV 109 and 111 may not be lifted prior to armoring because of issues with the 408 permit process.

Mr. Turner explained that LPV 109 and LPV 111 are located in New Orleans East. LPV 111 was the deep soil mixing project. The protected side of the levee is extremely steep and cannot be made any steeper. There is also a constraint on right-of-way for the expansion of the base of the levee. The possibility of a floodside shift is being considered in order to raise the levee about one foot. The investigation of this possibility will be assigned to one of the SLFPA-E's consultants. A concern is that the deep soil mixing columns may not extend far enough on the floodside to provide the stability that would be required. The SLFPA-E is also investigating whether a lift is needed from a settlement perspective. The USACE had indicated that there was some significant settlement in the reach after it was constructed; however, there is a possibility that the reach was not originally constructed to the correct elevation due to a benchmark issue. Additional survey data will be supplied to the consultant and will be used to compare walls in the area that have not moved and the benchmark, and a determination will be made regarding the amount of settlement that may have occurred.

Mr. Turner advised that for LPV 109 (wick drain project) the USACE put in granular base and wick drains to accelerate the consolidation of the levee and attain increased sheer strengths over time so that the levee could be built quickly. Some settlement has taken place and the USACE has raised the levee twice. A geotechnical analysis is needed relative to the sheer strength. In addition, the USACE informed the SLFPA-E that the original hydraulic calculations did not take into account the wave berm fronting the levee. The SLFPA-E has been in discussions with the CRPA and USACE regarding this issue and is attempting to determine whether the levee was originally overbuilt.

Mr. Turner explained that a scope of work must be developed with the selected engineering firms in order to commence the required work. The additional survey data on LPV 111 should be made available within the next four weeks. The determination regarding LPV 109 may require some field investigations, sampling and lab analysis.



Mr. Turner reported that the 95% plans and specifications have been completed for the LPV 00.2 project in Jefferson Parish. Once the comments have been addressed, the plans and specifications will be submitted to the USACE for the 408 permit.

Mr. Kemp suggested that LPV 109 may be a good candidate for Tremaine and Associates to conduct a subsurface survey.

**Coastal Advisory Committee:** Mr. Kemp advised that the Coastal Advisory Committee did not meet during the month of August.

### **REGIONAL DIRECTOR'S REPORT:**

A copy of the Regional Director's Report is appended to the minutes. Mr. Turner provided the latest weather advisory information on Tropical Storm Erika.

### **EXECUTIVE COUNSEL'S REPORT:**

Ms. Scott provided an update on the following activities:

- Nine litigation matters remain open. Half of the cases are in some form of settlement discussion.
- The SLFPA-E's consultant on human resource matters is completing interviews with O.L.D. employees, similar to the interviews conducted at the EJLD. A written report is expected within the next two weeks.
- A site visit revealed that a number of construction projects are taking place along the London Avenue Canal for which building permits have not been obtained from the Orleans Levee District. Warning letters are being issued that request residents to apply for after the fact permits from the levee district. A similar situation is taking place along the Mississippi River Levee in Jefferson Parish.
- Meetings have been held on several occasions with the City's attorneys and engineers regarding the construction of a new pump station at the Louis Armstrong International Airport. A review of the bids for the project will be required before a decision can be reached on whether the discharge tubes will be constructed over or through the floodwall. If the discharge tubes are constructed through the floodwall, levee district access will be disrupted on the floodside of the floodwall affecting patrol and maintenance activities along the floodwall. Therefore, a bridge would have to be constructed over the discharge tubes in order to maintain continuous access. If the discharge tubes are constructed over the top of the floodwall, levee district access would not be affected. The installation of butterfly valves on the protected side of the floodwall and the location of the air release valves are being discussed as part of the permitting process.
- The Lake Borgne Basin Levee District (LBBLD) has completed its Layoff Avoidance Actions. Several individuals have accepted early retirement, which has allowed the LBBLD to reach its targeted threshold.

- Four of the five pieces of property required for the construction of the Violet Levee/Floodwall have been purchased. The final piece of property may need to be expropriated due to the inability to contact the property owner.

**EXECUTIVE SESSION:** None.

**NEW BUSINESS:**

**1. Discussion of flooding along West Return Floodwall.**

Mr. Estopinal explained that he reviewed the information provided by the firm tasked by the USACE with the design of the drainage system. He commented that after his initial review his opinion was that the system was grossly under designed and did not meet even the most minimum criteria for a drainage system. Mr. Estopinal provided his concerns to the SLFPA-E and Mr. Turner sent a briefing to the CPRA. The CPRA was asked to review the findings. Mr. Estopinal added that the fact that the system has underperformed is an indication of how badly it was under designed. He suggested that the SLFPA-E determine whether it can intervene and provide assistance to the residents, since, in his opinion, the design engineers failed to properly design the system and people suffered damages because of this failure.

Mr. Hassinger advised that the CPRA has been requested to re-run the numbers that were run by the design firm. Mr. Estopinal discussed DOTD's HYDR program. Pertinent information is input into the program, calculations are run and recommended sizes are provided. He stated that the design engineer used the DOTD program; however, it did not properly populate the information in the program. Some of the requirements of the program were bypassed and much of the data that was input was incorrect, which resulted in an under designed system. He pointed out that the overflow, even after the USACE's placement of sandbags, was an indication of the gross under design of the system.

Ms. Scott advised that she is reviewing the agreement between the USACE, CPRA and SLFPA-E to determine whether the SLFPA-E is able to help the homeowners; however, it is probable that this recourse would be left to the CPRA as the non-federal sponsor. The SLFPA-E will work with the CPRA to provide any possible assistance.

Mr. Estopinal pointed out that even if the program was properly populated, it is still not a good design to protect homes since it is only a ten-year event subsurface design system. The designer should go one step further and an analysis should be performed based upon a 100-year plus return frequency. This is something that is routinely done by engineers designing residential developments. Engineers do not design just for street drainage; they design to protect homes and businesses from residential flooding. This extra step that the CPRA would potentially have to undertake would probably require the retention of an experienced storm water design consultant in order to assess what can be done at this time to bring the system to one that protects homes from the frequent inundation that is currently being experienced.

Mr. Turner advised that the USACE's consultant is doing some additional analysis using a Storm Water Management Modeling (SWMM) program. The result will probably be a retention system where the swale and sheetpile wall will provide storage during a heavy rain event and the subsurface culverts will meter the water into the canal over time. The retention area would provide sufficient storage and prevent overflow over the sheetpile wall into yards. Water that reaches the top of the wall would flow into the streets that intercept the floodwall. He added that if a big error occurred on the section between the pump station and West Esplanade Avenue, then areas between West Esplanade Avenue and the lake may also need to be addressed. The USACE has been alerted to the fact that the SLFPA-E requested that the CPRA rerun the numbers. A copy of the SLFPA-E's comments was provided to the USACE and the USACE in turn provided a copy of the comments to its consultant and the independent reviewer.

Henry Schloff, whose home on Grant Lake Boulevard flooded three times in 2014, thanked the Board for looking into this issue. He commented that the USACE tried to remedy the situation the first time by placing another foot of mud on the homeowner's side of the swale. Mr. Estopinal pointed out that reflex is not a good way of handling a storm water hydrology problem and that a hydraulic analysis should be performed. Mr. Hassinger stated that after Mr. Estopinal's in depth analysis, the SLFPA-E requested that the CPRA rerun the numbers used by the contractor and have the contractor do what needs to be done to appropriately remedy the situation.

Beverly Crais explained that she and her husband own two lots—her home is located on one lot and the second lot is used as a yard. She discussed the impact of the flooding on the structural integrity of the house, the erosion of the soil on both lots and damages to trees and fencing. She advised the Board that on July 23<sup>rd</sup> two inspectors from the City of Kenner Department of Inspections and Code Enforcement cited her for a below grade lot. City of Kenner officials were shown pictures of the lot when it was newly filled and graded in 2014 and of the subsequent flooding. She stated that she was given a six month extension on the citation. She added that due to the impacts from the floodwall construction and flooding, she had to replace the electric wiring from the utility pole to the meter at a cost of \$1,380 because of the increased tension in the wire and the safety hazard that it presented. The flooding occurred five times in 2014 and three times in 2015. She stated that the berm constructed by the USACE in August of 2015 is a band aid approach to the problem. She commented on the importance of flood protection, but asked the Board to remember the effects on people and their property. She asked that the claims be settled so that the residents can proceed with the required repairs. She expressed her appreciation for the Board's efforts and for providing a public forum.

Councilmember Dominick Impastato, III, commented that the Kenner City Council is relying on the SLFPA-E to fix this problem. He explained that the USACE has been responsive to his calls when the flooding occurred. The USACE has given its verbal assurance that the problem will be fixed. The USACE has accepted responsibility and acknowledged that it needs to go back to the drawing board on the design. He stated that he receives 20 to 30 calls or emails regarding this issue every week. He requested that the Board continue its involvement and pressure on the USACE. He pointed out that another issue is the ponding of water behind homes, which can increase mosquito

infestation and creates an inconvenience. He express his gratitude for the partnership and communication between the municipal government, SLFPA-E and levee districts.

Councilmember Marcia DeFrancesch commented on the lack of due diligence in the development of the drainage design. She commented that in viewing the remarkable engineering feats accomplished throughout the world that she could not believe that it is impossible for the engineers to come up with a solution in this situation. She commented on the need to work together to address the problem. She thanked the Board for its assistance.

**RESOLUTION NO. 08-27-15-02 – RATIFICATION OF SELECTION OF ENGINEERING FIRMS FOR LEVEE LIFT PROJECTS**

Mr. Estopinal advised that a Special Committee reviewed the selection committee's ratings and that the resolution before the Board reflected the results of the review.

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

**WHEREAS**, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) recognized the need to lift LPV 20.1, LPV 19.2, LPV 01.1, LPV 02.2, LPV-109.02a, and LPV 111.01 prior to the application of armoring by the U.S. Army Corps of Engineers (USACE); and

**WHEREAS**, in accordance with Resolution No. 05-21-15-02, a Request for Qualifications was advertised and issued for Engineering Services for the SLFPA-E Levee Lift Program and twenty Statements of Qualifications (SOQs) were received; and

**WHEREAS**, a selection team consisting of Wilton P. Tilly, SLFPA-E Commissioner, Robert Turner, SLFPA-E Regional Director, Stevan Spencer, SLFPA-E Regional Chief Engineer, and Wilma Heaton, SLFPA-E Director of Governmental Affairs, was appointed to review and competitively rate the SOQs; and

**WHEREAS**, by Resolution No. 07-16-15-11 the Board authorized the President to appoint a Special Committee of Commissioners to review the selection team's recommendations and approve the selected firms in order to move forward as quickly as possible and complete the negotiation process with the selected consultants prior to the August Board meeting; and

**WHEREAS**, the President appointed Commissioner Kelly McHugh, Commissioner Tyrone Ben and Vice President Stephen Estopinal to serve on the aforementioned Special Committee; and

**WHEREAS**, the selection team recommended and the Special Committee approved the following professional engineering consultants to provide the engineering services required for the levee lift projects:

AECOM Technical Services, Inc.  
HNTB Corporation  
Linfield, Hunter and Junius, Inc.

**WHEREAS**, the Agreements for Professional Services to be executed with the selected consultants shall be based on a negotiated schedule of fees for each job class and shall be task order driven.

**BE IT HEREBY RESOLVED**, that the SLFPA-E ratifies the selection of the following consultants to provide the engineering services for the levee lift projects:

AECOM Technical Services, Inc.  
HNTB Corporation  
Linfield, Hunter and Junius, Inc.

**BE IT FURTHER RESOLVED**, that the SLFPA-E Regional Director is hereby authorized to execute an Agreement for Professional Services with the selected consultants and to execute the first task order under each of the said Agreements for the first phase of the engineering work.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: Mr. McHugh

#### **RESOLUTION NO. 08-27-15-03 – APPROVAL OF LEGAL SERVICES INVOICES**

On the motion of Mr. Wittie,

Seconded by Mr. Estopinal, 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 August 27, 2015”, 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 August 27, 2015” are hereby approved.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: Mr. McHugh

#### **RESOLUTION NO. 08-27-15-04 – TO APPROVE THE SLFPA-E POLICIES AND PROCEDURES FOR PROFESSIONAL SERVICES CONTRACTS**

Ms. Scott advised that the policies and procedures had been circulated to the Board members and that their comments were incorporated into the document. An appendix may be developed at a later date to include additional suggestions.

On the motion of Mr. Wittie,  
Seconded by Mr. Estopinal, 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”), the East Jefferson Levee District (“EJLD”) and the Lake Borgne Basin Levee District (“LBBLD”); and

**WHEREAS**, the SLFPA-E Board desires to have a transparent and consistent process in regard to the issuance of Requests for Proposals/Requests for Qualifications, the selection process for professional services provided to the SLFPA-E, OLD, EJLD and LBBLD, and the award of professional service contracts; and

**WHEREAS**, the SLFPA-E Regional Director and Executive Counsel have reviewed the SLFPA-E’s original policy and researched best practices, and recommends a revised policy as set forth in the revised Policies and Procedures.

**BE IT HEREBY RESOLVED**, that the SLFPA-E, OLD, EJLD and LBBLD levee districts are to immediately implement the revised Policies and Procedures for Professional Services Contracts.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: Mr. McHugh

**RESOLUTION NO. 08-27-15-05 – RESOLUTION TO EXPRESS APPRECIATION TO THE ST. BERNARD PARISH SHERIFF’S OFFICE**

Mr. Estopinal thanked Sheriff Pohlmann and his staff for providing a boat and operators for the media boat tours. Nick Cali, LBBLD Executive Director, commented on the excellent relationship between the Sheriff’s Office and the LBBLD.

On the motion of Mr. Angers,  
Seconded by Mr. Tilly, the following resolution was offered:

**WHEREAS**, as part of the Southeast Louisiana Flood Protection Authority-East’s (SLFPA-E) desire to bring awareness to the current state of regional flood protection, particularly as the 10<sup>th</sup> Anniversary of Hurricane Katrina approaches, media tours are being conducted of the Inner Harbor Navigation Canal Surge Barrier – the largest design-build civil works project in the history of the U.S. Army Corps of Engineers; and

**WHEREAS**, in the spirit of mutual support and collaboration, the St. Bernard Sherriff’s Office has graciously assisted the Southeast Louisiana Flood Protection

Authority-East with its efforts by providing personnel and equipment in order to make the Inner Harbor Navigation Canal Surge Barrier media tour program a success.

**BE IT HEREBY RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East expresses its appreciation and thanks to Sheriff James Pohlmann and the staff of the St. Bernard Sheriff's Office for their support, time and efforts to make the Inner Harbor Navigation Canal Surge Barrier media tour program a success and bring public awareness to the current state of flood protection in the Greater New Orleans region.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: None

**RESOLUTION NO. 08-27-15-06 –  
ESTABLISHMENT OF LAMP ACCOUNT FOR BP SETTLEMENT MONIES**

On the motion of Mr. Angers,  
Seconded by Mr. Wittie, the following resolution was offered:

**WHEREAS**, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) adopted Resolution No. 07-16-15-02 accepting a full and final settlement of all claims against BP and others resulting from the Deepwater Horizon oil spill and authorizing the execution and delivery of a general release and other necessary documents in connection with the settlement; and

**WHEREAS**, the SLFPA-E wishes to establish a dedicated account at Louisiana Asset Management Pool, Inc., for the receipt and deposit of the BP settlement monies; and

**WHEREAS**, the signatories for the dedicated account shall be the Officers of the Board and the SLFPA-E Regional Director; and

**WHEREAS**, the operating expenses of the SLFPA-E are allocated and invoiced to the levee districts after the expenditures have been made; and

**WHEREAS**, the SLFPA-E's current cash balance is insufficient to service its required cash flow or provide a reasonable emergency reserve.

**BE IT HEREBY RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East authorizes the establishment of a dedicated account in the name of the Board of Commissioners of the SLFPA-E at Louisiana Asset Management Pool, Inc. (LAMP) for the receipt of BP settlement monies.

**BE IT FURTHER RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East authorizes the transfer of \$500,000 from the aforementioned LAMP account to the SLFPA-E's Capital One Operating Account for cash flow and emergency reserve purposes.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: None

**RESOLUTION NO. 08-27-15-07 – RATIFICATION OF TASK ORDER ISSUED TO BKI FOR GABRIEL PIPELINE RELOCATION**

On the motion of Mr. Wittie,

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

**WHEREAS**, by Resolution No. 10-16-15-14 the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) authorized counsel to proceed with the recommendation offered in executive session in the matter of Yacht Homes of Gabriel, LLC and The Succession of Marie G. Krantz v. The Board of Commissioners of the East Jefferson Levee District 24<sup>th</sup> JDC No. 626-181, Division “P”; and

**WHEREAS**, a new runoff control drain line must be constructed outside of the Gabriel properties parallel to the existing alignment and the existing drain line on the Gabriel properties removed; and

**WHEREAS**, in order to proceed timely with the aforementioned pipeline relocation, Task Order No. 08-02-21 was issued to Burk-Kleinpeter, Inc. under a SLFPA-E Indefinite Delivery-Indefinite Quantity Contract with a total not-to-exceed amount of \$87,367.95 for the engineering services, including design, bidding, construction administration, project closeout, permits and topographic survey, required for the installation of the new drain line and the removal of the existing drain line.

**BE IT HEREBY RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East ratifies Task Order No. 08-02-21 issued to Burk Kleinpeter, Inc. for the relocation of the runoff control drain line to a location outside of the Gabriel properties.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: None

**RESOLUTION NO. 08-27-15-08 – AWARD OF CONTRACT FOR BUILDOUT OF OFFICE SPACE AT LAKEFRONT AIRPORT TERMINAL**

Ms. Heaton advised that bids were solicited for the construction of the buildout of office space (three suites consisting of about 12 offices) for SLFPA-E staff at the Lakefront Terminal. Four bids were received from licensed, certified contractors. The resolution before the Board awards the bid to the lowest bidder. The total budget for the buildout



and move is \$300,000 and includes IT equipment and services, new fiber optics lines, telephone equipment, construction of the buildout and moving costs. Mr. Angers noted that the award of the contract to the lowest bidder was discussed at the Finance Committee meeting.

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

**WHEREAS**, by Resolution No. 07-16-15-05 the Southeast Louisiana Flood Protection Authority-East (SLFA-E) authorized execution of a Memorandum of Understanding for the buildout of office space in the New Orleans Lakefront Airport Terminal for SLFPA-E staff and a Lease Agreement between the SLFPA-E and the Non-Flood Asset Management Authority for said space; and

**WHEREAS**, four bids have been received for the construction of the buildout with the lowest bid being submitted by Barre McNeely Investments, LLC in the amount of \$145,300 for the Base Bid plus Alternate Bid No. 1.

**BE IT HEREBY RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East approves the award of a contract in the amount of \$145,300 to Barre McNeely Investments, LLC for the Base Bid plus Alternate Bid No. 1 for the buildout of office space in the New Orleans Lakefront Airport Terminal for SLFPA-E staff, and authorizes the Orleans Levee District Director to execute said contract.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: Mr. Luettich

ABSENT: None

**RESOLUTION NO. 08-27-15-09 –  
MOTION TO RATIFY EXECUTIVE COUNSEL’S AUTHORITY TO FILE SUIT NO.  
2015-6680 IN THE CIVIL DISTRICT COURT OF ORLEANS PARISH**

Ms. Scott explained the circumstances under which the suit was filed and asked that the Board ratify the action.

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

**WHEREAS**, in May of 1961, the Orleans Levee District (“OLD”) enacted building restrictions for a piece of property that it owned on Lakeshore Drive, which became known as “Religious Row;” and

**WHEREAS**, in April of 2015, a parcel of land located in Religious Row was sold to developer, Revival Development (“Revival”); and

**WHEREAS**, in July 2015 Executive Counsel was advised that a proposed development plan for the property purchased by Revival was going to be heard by

the City of New Orleans Planning Commission on July 14, 2015, wherein Revival was seeking a re-subdivision of the property; and

**WHEREAS**, because of the re-subdivision application, Executive Counsel became aware that the building restrictions enacted by the OLD in 1961 had been wrongfully terminated; and

**WHEREAS**, in order to prevent Revival from moving forward with obtaining a re-subdivision of the property, on July 13, 2014, Executive Counsel had to file a Petition for a Temporary Restraining Order and did not have the opportunity to get the full Board's approval before filing suit.

**BE IT HEREBY RESOLVED**, that the Southeast Louisiana Flood Protection Authority-East ratifies Executive Counsel's authority to file Suit No. 2015-6680 in the Civil District Court of Orleans Parish.

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

YEAS: Mr. Angers, Mr. Ben, Mr. Estopinal, Mr. Kemp, Mr. Luettich,  
Mr. McHugh, Mr. Tilly and Mr. Wittie

NAYS: None

ABSENT: None

The next regular monthly Board meeting will be held on September 17, 2015 and hosted by the LBBLD.

There was no further discussion; therefore, the meeting was adjourned at 1:05 p.m.

# SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST

## REGIONAL DIRECTOR’S REPORT

Aug. 27, 2015

### HSDRRS Project Status Update

**IHNC-01 – Seabrook Complex** The US Army Corps of Engineers (Corps) has sent out right- of-entry requests for both the repainting of Vertical Life Gates and the spot painting of gate leafs at the Seabrook Complex. All work will be done after the 2015 Hurricane Season.

In response to a distress report filed by the Orleans Levee District in early December, the Corps conducted a structural analysis of the damaged bearing pad beneath the eastern Vertical Lift Gate (VLG). The analysis showed that the damage is causing no problem; however, the Corps provided a repair method if the Non-Federal Sponsor wants to replace the pad. Recent dive inspections indicate that other pads are also missing, and the Corps is considering replacing them when the Vertical Lift Gates are removed and repainted.

Earlier observed vibrations of the east gate have now stopped.

**IHNC-02 – Lake Borgne Surge Barrier** The Corps has repaired and reinstalled three current velocity meters at the Surge Barrier. The data is now available via a USACE website.

The Corps has decided to replace the frozen flood side and protected side fairleads on the Bypass Gate (barge gate) with stainless steel fixtures. This work will not be completed until after the 2015 hurricane season.

To avoid problems with the windlass chain during monthly exercises, the Corps asked that the barge gate be closed until the new fixtures are ready to install in about three months. As a result of that request, the barge gate was closed on July 1 and will remain closed until the Corps completes the required work.

**LPV-03.2b.1- Landside Runoff** Rainfall runoff flooded several homes along the West Return Canal Floodwall in May 2015. The Corps continues to investigate a remedy and is awaiting the final results of a new analysis to identify the problem and best permanent solution. SLFPA-E has forwarded comments on the original drainage design calculations to the Corps and to CPRA, and we have requested assistance with additional technical review from CPRA.

**LPV-145A – Bayou Bienvenue** All bridge deck panels have been placed on the approach ramps. The steel bridge has been erected on the pivot column, the bridge stiffeners have been installed and a counter weight system is being constructed. Electrical and mechanical equipment is currently being installed at the site, and the bridge is scheduled for completion late this year.

**LPV 148.02A Safe Room at St. Mary’s Pump Station** The final inspection was held in June, and all issues from that inspection are being addressed by the Corps’ contractor. The NCC was issued on Aug.4, 2015.

**LPV-149 – Caernarvon Structure** The Corps will issue a contract for repainting the Sector Gate leafs to address peeling paint problems discovered after the NCC was issued. In order to repaint, the structure must be dewatered, which will temporarily impact navigation. The work will be done after the 2015 hurricane season.

**LPV-150 Jib Crane Pad** The Corps is finalizing plans to refurbish both of the jib cranes and building parking pads at Bayou Dupre. Vegetation removal for LPV 145 segment is now complete but continues on the LPV 146 and 148.02 segments. All vegetative work is being done as part of this project.

**OFC-07 London Avenue and 17<sup>th</sup> Street Remediation** We received the NCC dated March 31, 2015. The contractor remains responsible for establishing turf and cutting the grass, but turf-related issues remain. SLFPA-E continues to work with the Corps to make sure all turf issues are resolved.

**OFC-08 17<sup>th</sup> Street Canal Bank Stabilization** The NCC was issued on April 27, 2015. The contractor must still establish turf, and SLFPA-E continues to work with the Corps to make sure all turf issues are resolved.

**Permanent Canal Closures and Pumps (PCCP)** The Corps and its contractor have agreed on the number of additional bypass closure gates required to maintain maximum velocities through the permanent floodgates in the outfall canals. They include:

- two at the 17<sup>th</sup> Street Canal;
- one at the London Canal; and
- one-half at the Orleans Canal.

Commissioning of the new structures is still scheduled for May 2017, with decommissioning of the temporary structures possible within the following two years. Please check the New Orleans District web site at [www.mvn.usace.army.mil/missions/hsdrrs/pccp.aspx](http://www.mvn.usace.army.mil/missions/hsdrrs/pccp.aspx) for details and regular updates on this last, major HSDRRS perimeter project.

**Armoring** Work is underway on the Orleans lakefront levees (ARM-02) and the airport levee in the East Jefferson Levee District (ARM-03). Additionally, a right-of-entry request for ARM-04 in New Orleans East was granted on July 9, and the project contract was awarded by the Corps the following day. The preconstruction meeting was held in August, and site work will begin in September. The entire project is scheduled to take 775 days to complete. The first section of work will be between I-10 and South Point.

Meanwhile, SLFPA-E, the Southeast Louisiana Flood Protection Authority-West and the Coastal Protection and Restoration Authority (CPRA) continue plans to raise some levees, at local cost, before they are armored. The intent is to save millions of dollars in future armoring replacement costs by raising the lowest levees now in advance of armoring. This will extend the life of armored levees.

The consultant HNTB was authorized under its existing contract with CPRA to prepare plans and specifications for the levee lift of LPV 00.2 in EJLD. The 95% plan submittal was received in our office on Aug. 24 and is under review. Once approved, the drawings will be submitted to the Corps as part of the project's 408 permit application.

Twenty proposals were received and evaluated in response to a Request for Qualifications for design services for additional levee lifts in EJLD and OLD. An SLFPA-E Review Panel recommended a short list of three firms for consideration by the Final Selection Committee. A resolution is included on today's meeting agenda to award contracts for this work.

**SBPS-07 – Repairs to LBBLD Pump Stations #2 and # 3** The major work at Pump Station #3 is complete. Work is beginning on Pump Station # 2, where the old discharge pipes have been removed and temporary restraining structure (TRS) is under construction.

## Mississippi River Projects

**Jefferson Heights** A Corps contractor is raising segments of the Mississippi River Levee in East Jefferson by about two feet. Work began at the Orleans Parish end and is moving toward Kenner. The first phase of this project, about 4.2 miles, is nearly complete. Punch list items are being addressed, and two ramps are being redesigned.

The second phase of construction is underway along 4.5 miles of levee between Orchard Road in River Ridge west to the Jefferson-St. Charles line. This second segment of work was initially scheduled for completion in early summer of 2016, but the high river has slowed work. The first 7,900 linear feet on the eastern end has been raised and is being graded. The next 1,000 linear feet has a silt fence up and demolition, cleaning and grubbing operations are underway.

**Carrollton Project** All levee enlargement work in Orleans Parish is complete, but several issues raised by the Orleans Levee District during a final inspection last summer are still not resolved with the Corps. The OLD continues to cut grass on the levees. A second “final” inspection was held earlier this week, and punch list items are being developed.

## Internal Affairs

**Surge Analysis Update** We continue to discuss internally and with others in the coastal science community the best path forward to accomplish a Hurricane Surge Analysis update over the next several years. The newly formed Maurepas-Pontchartrain Surge Consortium is also showing significant interest in the surge update, and we are meeting with the group monthly.

**Non-Federal Levee Certification** Our certification report for the Maxent Levee was resubmitted to FEMA in February, and the levee was accredited by FEMA on April 6, 2015. This levee should soon be approved for inclusion in the Corps’ Rehabilitation and Inspection (RIP) program under Public Law 84-99.

The results of geotechnical investigations of the Forty Arpent Levee indicate no substantial levee stability issues remain.

Plans and specifications for both phases of the levee realignment near the Violet Canal are complete. Our consultants are working on real estate acquisitions for the new levee footprint.

LBBLD personnel have begun construction of the Phase I work (soap factory). The urgency of this project has been explained to government officials with the City of New Orleans and St. Bernard Parish. The Phase I (soap factory) Coastal Use Permit (CUP) was approved by the parish on April 7, 2015, and the Phase II (shrimp factory) CUP was approved in July.

**Training** In their earlier report on automated asset management software alternatives, one of the recommendations from Moffat & Nichols was to develop reporting forms that utilize software currently used by OLD. In response, a modeling exercise was held last month and a list of possible program upgrades prepared and submitted to the software firm. In response, Moffatt & Nichols submitted a final report that recommends developing new, customized software rather than using existing OLD software. The OLD’s existing software firm has responded to our questions regarding specializing the program, and it is still being reviewed.

**Emergency Preparedness** The River crested at 15.62' on July 29, 2015. It was above 15.0' from July 17 to August 4, 2015. The river is now around elevation 5', and the National Weather Service predicts that it will drop below 5' by the end of September. Flood fight inspections have been discontinued. The Corps is investigating minor erosion observed at the forebay area at the Corps IHNC lock as a result of the high river.

**Complex Structures** On Aug. 17, 2015, a shrimp boat struck the roadway bridge across Bayou Bienvenue. The bridge has been inspected and no significant structural damage was detected. The lift gate was not impacted and remains fully operational. During the inspection, two of the screw jacks were found to be out of alignment, preventing the lifting of the bridge. It is not clear at this time whether the strike caused the problems with the screw jacks. The lift gate has been partially closed to prevent marine traffic from entering the structure until the bridge can be raised. On Aug. 21, Boh Brothers Construction was hired to make the necessary repairs.

**Tidal Gage Network** The Corps has submitted to SLFPA-E three right-of-entry requests for hardened tide gage station sites at Delacroix, Breakwater Park and Chef Menteur, one in each of our Levee Districts. The CPRA is preparing the Authorization for Entry AFE documents, and checking property ownerships. We are awaiting project plans and specifications.

**Periodic Inspection Reports** Representatives of SLFPA-E and its three levee districts met with the Corps in December to review the previous USACE Periodic Inspections (PI). The purpose of a PI is to verify continued and appropriate operation and maintenance, to evaluate the stability of structures and to compare constructed criteria to current criteria. The first PIs were conducted between February 2010 and January 2014 on all MR&T and HSDRRS projects. The executive directors of our levee districts reviewed their individual portions of the overall PI, and each prepared a list of items that need to be addressed. A follow-up meeting was held with the Corps and CPRA in February to review responses to the PI, and the resolution process continues.

All unacceptable PI items have been field verified and photographed. A list and course of action for all remaining unacceptable items is being finalized. This work is ongoing, and a meeting was recently held with the CPRA to begin formulation of responses to the Corps.

**Risk Assessment** The Risk Assessment Project was awarded to Tetra Tech Inc. The scope of work includes a Probabilistic Performance Analysis for the Lake Borgne Surge Barrier, the Seabrook Complex and gates, and Sector Gates at Bayou St. John, Bayou Bienvenue, Bayou Dupre and Caernarvon. The analysis will identify and address the possible risk of failure or breakdown of any mechanical system within these structures that could cause flooding in parts of

Orleans, Jefferson and St. Bernard parishes. The results of this work will help to inform Operation and Maintenance Plans for the structures.

**Semi Annual Report** A debriefing regarding the April 2015 Semi-Annual Report (SAR) was conducted by the Corps. Recommendations for improvements proposed for the next SAR submittal were discussed and agreed to by all parties. The next SAR is due from SLFPA-E to the CPRA on Oct. 15, 2015.

**Meetings and Items of Note:**

The Coastal Protection and Restoration Authority Board will meet Sept. 16 at 9:30 a.m. at the Morgan City Municipal Auditorium.

The Governor’s Advisory Commission is scheduled to meet Oct.8 at 11 a.m. in the Port Fouchon Operations Center.

The first of the Restore: Draft Initial Funded Priorities List Public Meetings will be held on Sept. 15, 2015 at 5:30p.m., at the Homer L. Hitt Alumni Center, 2000 Lakeshore Drive, New Orleans, LA. 70148.

**New Contracts:**

O.L.D. – Sheila Lambert – Human Resources assistance – 7/7/15 – 12/31/15 – not to exceed \$10,000

O.L.D. – RCL Architecture, LLC – Build Out of Office Space in Terminal Building – \$34,980

**Levee District Construction Projects:**

<b>Project</b>	<b>District</b>	<b>Status</b>	<b>Comments</b>
<b>IHNC St. Claude Bridge Drainage</b>	OLD	0% complete	High river delayed notice to proceed (NTP); prohibition now lifted
<b>Floodgate &amp; Floodwall Repairs</b>	OLD	Complete	
<b>Seawall Steps Erosion Reach 4&amp;5</b>	OLD	99% complete	
<b>Seawall Steps Erosion Reach 2B</b>	OLD	90% complete	
<b>Lakefront Levee Slope Drainage Reach 4</b>	OLD	90% complete	
<b>MRT Aluminum Stop Logs</b>	OLD	0% complete	Long-lead items ordered NTP late 3Q 2015
<b>Citrus Lakefront Levee Slope Paving</b>	OLD	0% complete	NTP August/September 2015
<b>Seawall Steps Erosion Phase 1 (Reach 1A/3B)</b>	OLD	0% complete	NTP issued Aug. 17, 2015



## Levee District Project Designs and Studies

<b>Project</b>	<b>District</b>	<b>Comments</b>
<b>Outfall Canals Erosion</b>	OLD	Study complete; design 90% complete; Corps requested stability and hydraulic analysis by CH2M
<b>Lakefront Seawall Area Reach , 4&amp;5</b>	OLD	Design complete; construction administration 99%
<b>Lakefront Seawall Area Reach 2B</b>	OLD	Design complete; construction administration 90% complete
<b>Floodgate Seal Repairs</b>	OLD	Design complete; construction administration complete
<b>IHNC St. Claude Bridge Drainage</b>	OLD	Design complete; construction administration 0%
<b>Lakefront Levee Slope Drainage Reach 4&amp;5</b>	OLD	Survey complete; design complete; construction administration 90%
<b>Citrus Lakefront Levee Slope Paving at Intersections</b>	OLD	Survey complete; design complete; construction administration and inspection ready to start
<b>Bayou St. John Adaptive Water Management Plan</b>	OLD	Plan 80% complete
<b>Citrus Lakefront Levee Railroad Drainage Study</b>	OLD	Investigation complete; design 60% complete
<b>Lakefront Seawall Area Phase 1</b>	OLD	Task Order 27836-03 \$712,900
<b>MRT Aluminum Stop Logs</b>	OLD	Design complete-CA/PS soon
<b>Bayou Bienvenue/Bayou St. John O&amp;M Manuals</b>	OLD	BSJSG 90% complete draft report is in
<b>Police Administration Building</b>	OLD	Site Study complete, pending Board authorization
<b>MRT Floodgate Painting</b>	OLD	Design 60% complete
<b>Phase 1 for engine upgrades at Pump Stations</b>	LBBLD	Phase 2 funding is approved, awaiting EPA determination on tier rating; prepared to advertise
<b>Phase 1 for Safe Room Design HMGP approved by FEMA</b>	LBBLD	Advertising through SBPG in August
<b>Pump Station #6 pump repair and hangers at P.S. #7</b>	LBBLD	P&S complete; preparing to advertise
<b>Pump Station #6 Erosion Repair</b>	LBBLD	P&S complete; preparing to advertise
<b>Safe house &amp; Consolidated Facility</b>	EJLD	EJLD Safe House 90% design documents under review. Value Engineering (VE) team draft report due end of August.