

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST
BOARD MEETING
THURSDAY, SEPTEMBER 15, 2011**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority - East (Authority or SLFPA-E) was held on Thursday, September 15, 2011, in the St. Bernard Port Administration & Security Complex, 3rd Floor Board Room, 100 Port Blvd., Chalmette, Louisiana, after due legal notice of the meeting was sent to each Board member and the news media and posted.

Mr. Doody called the meeting to order at 9:30 a.m. and led in the pledge of allegiance.

PRESENT:

Timothy P. Doody, President
John M. Barry, Vice President
Louis E. Wittie, Secretary
Stephen Estopinal, Treasurer
David P. Barnes, Jr.
Thomas L. Jackson
G. Paul Kemp
Ricardo S. Pineda

ABSENT:

George Losonsky, PhD

OPENING COMMENTS:

Mr. Doody thanked the St. Bernard Port Administration for the use of its facility for the meeting and its staff for their hospitality.

Mr. Doody reported that he and Robert Turner, SLFPA-E Regional Director, gave a presentation to the Greater New Orleans Women's Group on the status of the flood protection system, new developments, challenges ahead and risk communication. The presentation has been provided to a number of groups. Mr. Doody hoped that presentations can be provided to more groups throughout the region so that the public will have a clear understanding of the protection system.

Mr. Doody advised that the U.S. Army Corps of Engineers (USACE) hosted a day of recognition on September 9th for reaching the ability to defend against a one percent storm. He commented on the remarkable amount of work that has taken place thus far and noted that armoring will provide the resiliency to allow the system to stand up to even greater events. He commented that although Tropical Storm (TS) Lee did not truly test the flood protection system, it was a good opportunity to test operations.

Mr. Doody reported that he and Carlton Dufrechou met with Susan Guidry to discuss an application for a grant to demolish the waterfall structure located in Bayou St. John at Robert E. Lee Boulevard. Elected officials are being engaged so that they will be

informed about the operation of the flood control structure in Bayou St. John. A meeting also took place with Senator Murray relative to this matter. Thus far no one has voiced an objection to the removal of the waterfall structure.

Mr. Doody advised that a presentation will be provided at today's meeting on a grant application for the construction of a safe room for the Lake Borgne Basin Levee District. A meeting will be scheduled for public input on the grant application. He pointed out that Mr. Jackson stressed several years ago that the construction of a safe place to house levee district personnel who remain on duty during a hurricane should be a goal for the Board. Mr. Jackson cautioned about obligating any contract without a certainty that the monies will be reimbursed by FEMA.

Mr. Doody recognized Senator A. G. Crowe, Senate District 1. He thanked Senator Crowe for his support and for all the work that he has done for the Authority.

Senator Crowe thanked the members of the Board for the extremely important work that they are doing in providing flood protection. He offered to provide any assistance needed by the Authority.

ADOPTION OF AGENDA:

A motion was offered by Mr. Wittie, seconded by Mr. Estopinal and unanimously adopted, to approve the agenda as presented.

**RESOLUTION NO. 09-15-11-01 –
APPROVAL OF AUGUST 18, 2011 BOARD MEETING MINUTES**

On the motion of Mr. Wittie,
Seconded by Mr. Barnes, 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, 2011.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Jackson, Mr. Pineda and
Mr. Wittie

NAYS: None

ABSENT: Mr. Kemp and Mr. Losonsky

PUBLIC COMMENTS:

Roy Arrigo, a resident along the 17th Street Canal, explained that the public was able to ascertain whether or not the system performed as they were told it should when the standard for flood protection was Category 3. He stated that the new standard—100-year protection—is vague and difficult, if not impossible, to measure. He asked should another failure of the system occur, how would the public be able to ascertain whether the failure was because the system was exposed to forces greater than the 100-year standard or because of inadequate engineering? He commented on the Board approving the 100-year protection work and asked about its review process for

determining whether the USACE's work meets the 100-year standard. He also asked what storm models, if any, did the Board use to verify whether it should approve the USACE's work and where the public could find this information.

Mr. Doody reminded everyone that the State of Louisiana is the local sponsor for the Hurricane and Storm Damage Risk Reduction System (HSDRRS). In addition, the Board does not vote to approve USACE projects. The USACE builds the projects and turns the completed projects over to the levee districts for operation and maintenance.

Mr. Jackson commented that he is an engineer and a past president of the American Society of Civil Engineers, which gives him the education, experience and ability to act in an oversight capacity, but not in the detail capacity mentioned by Mr. Arrigo. He pointed out that none of the engineers serving on the Board are covered by errors and omissions insurance through the Authority. He stated that he has personally taken the position that he will not practice design engineering or review plans and specifications as a Commissioner on the Board. He commented on the personal attacks that have been made on Board members. He explained that the Board is trying its hardest to make sure that the design errors of the past are not repeated. The USACE yielded to budget requirements when building the flood protection system prior to Hurricane Katrina and designs were produced that failed. Mr. Jackson noted that he served on the oversight committee for the peer review of the IPET investigation, which included good investigators that were not hamstrung by the USACE.

Mr. Arrigo commented that the Board voted to take the property of the people along Bellaire Drive without any basis. He stated that he asked valid questions going towards the point of rubber stamping and about how the Board approves the USACE work.

Craig Berthold, a resident along the 17th Street Canal, read excerpts from the Times Picayune article written by Sheila Grissett dated September 21, 2007, entitled "Corps requests permission to clear land beside levees. Owners say that they are owed compensation." He compared statements made in the article with the Board's position today. He advised that, as a result of the USACE's remediation work, there is a flat area adjacent to the floodwall that can be used as a truck path, which leaves the property owners exposed and liable. In addition, there is no longer a fence at the property line because of the servitude, which leaves the property owners without protection should someone initiate litigation because an injury occurs.

Carol Byram, a resident along the 17th Street Canal in Lakewood South, provided copies of photographs to members of the Board which she stated touched on the reasons used to take the property and showed some of the resulting damage to the levee. She stated that the photographs show that the excuses used to take the property in Lakewood South were neither valid nor fair. She stated that the tree issue was placed on hold because there was so much opposition around the country, including within the USACE. She stated that the residents have been monitoring the studies. She reminded the Authority that she wanted the levee district to stop cutting the grass on her property because she did not want the Authority to come back in seven years and try to claim the property because the levee district had been cutting the grass.

Craig Berthold commented that Revised Statute (R.S.) 38:225 was recently changed by the Louisiana Legislature to state toe plus 15-feet, instead of toe plus 6-feet. He asked whether this would affect the property owners along the 17th Street Canal. Mr. Doody responded that the Authority is attempting to obtain some guidance on this change in the law. He introduced Ryan Seidemann and Beau Jones with the Attorney General's Office who will be assisting the Authority.

Mr. Pineda addressed the issue of 100-year protection. He explained that Congress directed the USACE through various Congressional funding bills to build a 100-year project for protection against a storm with an annual exceedance probability of one percent. The USACE's New Orleans District is in the process of putting together the documentation to package the 100-year certification, which will be submitted to the Federal Emergency Management Agency (FEMA) as part of the National Flood Insurance Program (NFIP). The USACE designed the project using its criteria and is certifying the project using its guidance. Mr. Pineda added that he and Stevan Spencer, SLFPA-E Regional Chief Engineer, are part of a group primarily staffed by the USACE reviewing the very detailed certification process. The USACE is putting together documentation consistent with its engineering guidance that will certify to FEMA that the system constructed provides 100-year protection. This certification will be good under the USACE's guidance and regulations for ten years. The certification will be completed sometime in 2012 and will be good until 2022. Decisions will need to be made by the Authority and the State concerning the recertification process in 2022. The certification takes into account the height of the water, structural integrity of levees from a geotechnical perspective, under-seepage, slope stability, erosion protection and a number of additional factors that go into how FEMA defines operations and maintenance for a one percent (100-year) system.

Mr. Pineda commented that FEMA at this time does not have the funding to respond to emergencies, including post disaster reimbursements and some of the mitigation projects previously approved but not funded. There are also issues in Congress at this time relative to reauthorization of the NFIP, which expires during September. Most people in the region currently have the opportunity to purchase flood insurance from the Federal government at a reasonable rate. Congress and FEMA would like the NFIP to be authorized for another five years; however, there are a number of issues that must be resolved. It is expected that the House and Senate will probably reauthorize the NFIP for three to six months and will continue to try to resolve the issues between the House's NFIP reauthorization bill and the Senate's version of the bill.

Mr. Barry commented that 100-year protection is not sufficient and is the lowest standard in the developed world. However, the categorization "100-year protection" is far more precise than referring to Categories One through Five. In addition, 100-year protection is easier to quantify and define.

INTRODUCTION OF NEW COMMISSIONER AND OATH OF OFFICE:

Mr. Doody introduced and welcomed Commissioner G. Paul Kemp, Ph.D. Mr. Kemp was appointed by the Governor to serve on the Board and replaces Stradford Goins. The oath of office was administered to Mr. Kemp by Robert Lacour, SLFPA-E General Counsel.

PRESENTATIONS:

1. Levee Safety Action Classification. (U.S. Army Corps of Engineers)

Presentation was not given.

2. FEMA Pre-Disaster Mitigation Grant application for the construction of a safe room at Pump Stations Nos. 1 and 6 in the Lake Borgne Basin Levee District.

Stuart Williamson, Lake Borgne Basin Levee District (LBBLD) Executive Director, advised that Mr. Pineda, Robert Turner, Shelly Midura and Bill Fogel have done a lot of work preparing what has been done thus far on the Pre-Disaster Mitigation (PDM) Grant application. He commented on the dedication and hard working pump operators who place themselves on the line during extreme weather events.

Mr. Williamson explained the need for a safe room. The LBBLD is responsible for pumping operations for the entire Parish of St. Bernard. The pump operators have historically carried out pump station operations in severe weather conditions and will continue to do so. The construction of a safe room would allow pump operators and other critical employees to remain on duty and resume operations immediately after passage of an extreme weather event. St. Bernard Parish is divided into three separate drainage areas. The selected site for the safe room is strategically located at Pump Stations Nos. 1 and 6 in Drainage Area 1. Over 33 percent of the Parish population and critical infrastructure are located in Drainage Area 1. The cost of construction is based on elevation. The safe room would be constructed to the advisory base flood elevation of +14-ft. FEMA guidance provides that the room must be able to withstand 210 mph winds. The Benefit Cost Ratio for the project is 2.5. The safe room is bare bones and personnel are anticipated to remain in the safe room for a period of no longer than 24 hours. The 225 sq. ft. safe room can house ten employees. Information developed by the USACE and a consultant on safe housing was taken into consideration on the design of the project. The total estimated cost of the safe room is \$710,000. A 25 percent local cost share will be required.

Ms. Midura advised that a public hearing should be held to receive public input before the application is submitted to the State on October 14th. The State is working with the Authority on this grant application, which is due for submittal to FEMA by December 1st. Mr. Doody directed that the public hearing be scheduled. A letter of support was received from the St. Bernard Parish President. Additional letters of support for the application will be sought. He clarified that the Board must be willing to approve the obligation of the local cost share of \$177,500 by the LBBLD for the construction of the safe room. Mr. Pineda pointed out that this is a public safety project. Should the Authority not be successful in obtaining a FEMA PDM Grant, it will have the foundation to apply for other grants. He requested that Board members encourage the State to make the LBBLD safe room a high priority project.

COMMITTEE REPORTS:

Finance Committee: Mr. Estopinal reported that the Finance Committee met on September 8th and, in addition to the items placed on the Board agenda, the Committee discussed the following items:

- The extension of existing consulting service contracts with not-to-exceed amounts under \$50,000. The Committee is working on a mechanism for better oversight of these contracts.
- East Jefferson Levee District (EJLD) Shoreline Rock Project. The subsidence rate was higher than the engineer's original estimate and approximately \$1.3 million of funding will be required for the additional rock.
- Audit of the SLFPA-E, EJLD, LBBLD and O.L.D. for the Fiscal Year ending June 30, 2011. An unqualified, clean opinion was received on the audit. Due to time constraints the Committee authorized Silva, Gurtner & Abney, LLC to file the audit report with the appropriate entities.

Operations Committee: Mr. Wittie reported that the Operations Committee met on September 8th and discussed the following items:

- Advertisement of Request for Qualifications for professional surveying services for the levee districts' rights-of-ways. Placement of permanent markers for the rights-of-ways had been previously been discussed.
- Bayou St. John servitude for non-Federal levee – Staff was requested to return to the Committee with additional facts concerning the importance of the levee prior to further discussion.
- Sale of borrow pits in New Orleans East – The borrow pits were deeded to the Orleans Levee District after the borrow material was removed by the USACE contractor for flood protection projects.
- Amendment of the W. S. Nelson Contract to address seepage at Pump Stations No. 2 and 3 – A resolution has been placed on the agenda for Board approval.
- The levee districts gave their monthly status reports.

Legal Committee: Mr. Barry advised that the Legal Committee did not meet in the month of September. Several items have been placed on the Board agenda for discussion in Executive Session. A resolution has been placed on the agenda for approval of the legal invoices.

Engineering Advisory Committee: Mr. Jackson advised that the Engineering Advisory Committee did not meet in the month of September. He noted that the Operations Committee is the primary committee for the discussion of armoring and that the Engineering Advisory Committee is working with the Operations Committee on this issue.

CPRA/Governmental Affairs: Mr. Barry advised that the Coastal Protection and Restoration Authority (CPRA) will meet next week. He informed the Board that much of the work to stop the erosion of navigation channels dug by the USACE has been done under the CWPPRA (Coastal Wetlands Planning, Protection and Restoration Act) Program, which requires a 15 percent cost share from the State. The State's position is that the maintenance of navigation channels should be 100 percent Federal responsibility. The State is reconsidering its stance. A draft CPRA resolution advises the State's position as a point of principle; however, the State will back off its refusal to

participate for the immediate future and attempt to create a transition system. The State may also consider various channel maintenance projects on case-by-case basis.

Mr. Barry commented that progress is being made in the Senate on FEMA funding; however, a major issue remains in the House because the position of the Republican leadership is that compensating cuts must be made in other programs in order to approve any spending for FEMA. He pointed out that the Federal debt super-committee is supposedly coming up with a trillion plus dollars of budget cuts; therefore, funding from Congress will be difficult to obtain.

REGIONAL DIRECTOR'S REPORT: (copy appended to minutes)

Mr. Turner reviewed the highlights of the Regional Director's Report and discussed several items. TS Lee caused overtopping of the cofferdam at the Seabrook structure and the cofferdam flooded to an elevation of about +5-ft. The contractor must pump out the cofferdam and clean re-bar that had been placed causing a delay of about four weeks in the construction schedule. Some of the structure's elements, such as the lift gates and sector gate leafs, are being fabricated away from the construction site.

Mr. Turner advised that the Authority has a schedule for training for the operation of the IHNC Storm Surge Barrier. On-site training will begin in January, 2012, for the structure and the associated gates. A draft USACE Operations and Maintenance (O&M) manual is anticipated to be provided to the Authority prior to training.

Mr. Turner advised that most of the work in the system is progressing on schedule and many of the projects are beyond 90 percent completion. However, a considerable amount of work remains to be done. The problem with turf establishment continues on some of the projects. The levee districts are assisting the USACE by cutting the grass on some of the projects before the projects are completed and turned over with the expectation of a better end project. The USACE has assured the Authority that it will not be held responsible for repairs required as a result of the grass maintenance by the levee districts in lieu of the USACE contractors. The levee districts are tracking the costs of the grass maintenance anticipating the receipt of Federal credit for the work.

Mr. Turner explained that a problem was experienced with some of the trolley gates at Caernarvon. The Authority is working with the USACE to resolve the issues and ensure that the gates can be properly closed.

Mr. Turner discussed the TS Lee flood fight. The effects of the storm started to be felt on Friday (Sept. 12th). Nearly 40 floodgates were closed before Saturday morning in order to maintain a level of protection up to elevation +8-ft. Most of the floodgates closed were low sill gates along the IHNC. The USACE did not close the IHNC Storm Surge Barrier or move the barge gate into place. The USACE has a plan to move the barges along some of the construction sites in East Jefferson when a storm is approaching; however, it did not have the time to do so because of the short timeframe associated with TS Lee. The tugs for the most part stayed with the barges. The tug captains refused to move the barges into the lake because of rough waters. A barge along the foreshore protection project broke loose for a short time before being secured.

Mr. Turner explained that in anticipation of TS Lee the Port of New Orleans' contractor closed the construction site for the France Road Floodgate with Hesco baskets. On Saturday morning O.L.D. personnel discovered that several of the baskets had tipped over. The USACE's EOC and liaison officer were immediately contacted in order to get the contractor to the site. The O.L.D. deployed personnel and 3,000 lb. sandbags on flatbed trucks to the site. The contractor used its equipment to place the sandbags and close the area. Alvar Street experienced about 2-feet of water and several vehicles were unable to travel through the water when they attempted to do so; however, no structures were flooded. Mr. Doody pointed out that the water in this section of the IHNC typically would have flowed into the lake; however, it could not do so during TS Lee because of the Seabrook cofferdam. The cofferdam is at an elevation of +5-ft. on the canal side and +10 on the lake side. Lake elevations during TS Lee reached about elevation +4.2-ft. The USACE's emergency plans call for closure of the IHNC Storm Surge Barrier when a storm is 72 hours away and for the barge gate when the water is at an elevation +3-ft. and rising. TS Lee developed in the Gulf and demonstrated a real need to develop additional procedures for this type of storm. The Authority will discuss with the USACE the development of procedures for storms developing in the Gulf while construction projects are on-going. These procedures will help inform plans for the permanent closures.

Mr. Turner commented on the erosion along the lakefront seawall in Orleans Parish caused by wave action during TS Lee, the debris deposited on Lakeshore Drive and the washouts between the roadway and the seawall. O.L.D. Flood Protection personnel have been cleaning the roadway and repairing the holes. Mr. Doody advised that an Attorney General's opinion was requested concerning work along the seawall. He noted that legislation was passed by the Louisiana Legislature relative to payments by the O.L.D. Flood Protection Division to the Non-Flood Protection Division for the operation and maintenance of Lakeshore Drive. The work involved in cleaning Lakeshore Drive after a storm was discussed.

Mr. Turner reported that the web based Emergency Module for the gate closure system was tested during TS Lee. Using the module during a real event demonstrated improvements that could be made to make it more user friendly for the Authority, the levee districts and other agencies needing this information. The Authority will work with the Office of Coastal Restoration and Protection (OCPR) and other partners in the Emergency Module in order to have any changes needed in place before the next hurricane season.

Mr. Turner advised that post TS Lee an after action review was conducted individually by the levee districts and then a joint after action review with the Authority and levee districts was conducted. TS Lee demonstrated a need for contingency planning on the part of the USACE and for discussions with the USACE's EOC personnel and the USACE's contractors relative to on-going construction sites.

Mr. Doody advised that sandbags were sent to Plaquemines Parish to assist with its flood fight and the Parish's attempt to keep a roadway open.

Mr. Turner advised that the U.S. Coast Guard established a Regulated Navigation Area (RNA) for the IHNC; however, the RNA is triggered by events that rarely occur. The

trigger points were never reached during TS Lee; therefore, the Coast Guard did not enforce the RNA requirements for evacuating vessels. The Coast Guard's plan requires the evacuation of floating vessels within the IHNC that do not have approved mooring plans when forecasted surge heights and winds reach certain levels. Mr. Barnes pointed out the danger in basing decisions concerning moving and mooring vessels on forecasts that are issued 72 or 48 hours in advance of landfall. Weather forecasting has improved greatly in accuracy over the past ten years for well behaved storms. However, a storm forecast issued 72 hours before landfall is rarely accurate and the Authority cannot count on the right decisions being made two or three days in advance. He explained the potential problems that could occur when a vessel or barge is moored during a severe storm event.

Mr. Turner reported on HSDRRS armoring issues. The USACE conducted an Alternatives Evaluation Process (AEP) several months ago to consider various alternatives for armoring the system. The Authority was not allowed to participate directly in the AEP; however, the Authority was able to receive some attention from the USACE and make recommendations after the AEP. Authority staff performed considerable research on the armoring alternatives. The USACE has retained several members of the IPET team for a risk analysis on the armoring. The IPET team members looked at overtopping rates using the suite of 152 storms, considered the various armoring alternatives and a presentation was provided on the findings. Mr. Turner commented that some of the USACE's recommendations were tweaked because of the risk findings and that things are moving in the right direction from a risk perspective. However, problems remain from a technical standpoint.

Mr. Turner explained that the Authority is getting together with the State and other local partners relative to the technical recommendations on the materials to be used for the armoring. The Authority's research revealed that the proposed Higher Performance Turf Reinforced Mat (HPTRM) looks promising; however, it has rarely been used on levees and has met with mixed success. He discussed the potential problems that could occur with HPTRM during mowing operations. Some amount of money will need to be spent to maintain the armoring over time; however, the research showed that things that can be done to make this dollar amount reasonable. The CPRA will issue a letter to the USACE with a series of recommendations, particularly in regards to the use of HPTRM. One of the recommendations is for a HPTRM testing program over a reasonable length of levee. The Authority would ultimately like for there to be multiple test sections and with more than one product tested in order to determine equivalency. He suggested that the USACE write tight, enforceable HPTRM specifications, bid no more than two or three projects at a time to determine performance and success and then refine the process for the next bid. He stressed the importance installation plays in the success of the HPTRM. The contractor should remain responsible for the TRM for the first year after its installation. Mr. Turner discussed some of the potential problems that could occur with enhanced grass.

Mr. Doody explained that the Board, the State and other local sponsors have adopted resolutions requesting the USACE not to just adhere to a date on the calendar, but assure that the proper tests are performed to determine the best solutions for armoring. He pointed out, however, that in the end the decision will be made by the USACE.

Mr. Turner advised that the USACE is planning a HPTRM test section. The Authority requested the USACE to provide the plans for the test section. He commented that there is a strong desire by the USACE's technical people to get the armoring right; however, there is pressure to complete the armoring by June 1, 2011.

Mr. Turner explained that some of the levees will fall below the design grade in the 2015 to 2017 time frame. Authorizations and appropriations will have to be put in place for levee lifts. HPTRM placed on the levee will have to be removed for a lift and is not salvageable. He pointed out a potential problem in that if the levees that will need lifts are not armored with HPTRM at this time and Congress does not appropriate funding for the levee lift, then the levee will be below the required height and not have armoring. Mr. Doody agreed that the risk of not receiving future Congressional authorizations and appropriations must be factored into the decision. He added that it was suggested that the USACE build a much longer time period before the next levee is required into the current project.

Executive Session:

1. *Succession of Helen Katz, wife of/and Sam Mermelstein v. Board of Levee Commissioners of the Orleans Levee District of the State of Louisiana*, No. 55-314, 25th Judicial District for the Parish of Plaquemines, State of Louisiana, Division "B".
2. *Board of Commissioners of the Southeast Louisiana Flood Protection Authority – East on Behalf of the Orleans Levee District v. Louisiana Department of Natural Resources*, No. 561-776, 19th Judicial District Court for the Parish of East Baton Rouge, State of Louisiana, Section 21.
3. *Union Title Guarantee Company, Inc. By and Through Its Court-Appointed Liquidators v. Board of Levee Commissioners of the Orleans Levee District*, Docket No. 52-856, Division A, 25th Judicial District Court for the Parish of Plaquemines, State of Louisiana.
4. *Board of Commissioners of the Orleans Levee District v. Louisiana Department of Natural Resources through its Secretary Scott A. Angelle and Union Title Guarantee Company, Inc. by and through its Court-Appointed Liquidators*, Docket No. 537,924, Division 24, 19th Judicial District Court for the Parish of East Baton Rouge, State of Louisiana.
5. *Union Title Guarantee Company, Inc. by and through its Court-Appointed Liquidators v. Louisiana Department of Natural Resources, through its Secretary Scott A. Angelle*, No. 561565, 19th Judicial District for the Parish of East Baton Rouge, State of Louisiana, Section 25.
6. *Board of Commissioners of the Southeast Louisiana Flood Protection Authority – East on Behalf of the Orleans Levee District v. Louisiana Department of Natural Resources*, No. 562122, 19th Judicial District Court for the Parish of East Baton Rouge, State of Louisiana, Section 22.
7. *Isabella Stevens Conner v. Board of Levee Commissioners of the Orleans Levee District*, Docket No. 52-539, Division B, 25th Judicial District Court for the Parish of Plaquemines, State of Louisiana.

A motion was offered by Mr. Barry, seconded by Mr. Wittie and unanimously adopted, for the Board to convene in Executive Session to discuss the items listed on the agenda. The Board convened in Executive Session at 11:40 a.m.

A motion was offered by Mr. Barry, seconded by Mr. Wittie and unanimously adopted, for the Board to reconvene in regular session. The Board reconvened in regular session at 12:35 p.m.

RESOLUTION NO. 09-15-11-02 – LEASE AGREEMENT WITH UNO RESEARCH AND TECHNOLOGY FOUNDATION, INC.

Wilma Heaton advised that a technical amendment was required to the draft resolution and that the word “ratifies” in the RESOLVED paragraph should be changed to “authorizes”. The Board accepted the technical amendment to the resolution. She advised that the lease is for one-year with four one-year renewal options predicated on the receipt of funding from the State. The rental rate increase at each option is the lesser of the CPI increase for the prior twelve month period or five percent. The rental rate plus costs for the UNO Research and Technology Park office space is comparable on a per square foot basis to the rental rate plus costs for the current office space.

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

WHEREAS, the Southeast Louisiana Flood Protection-East (SLFPA-E) is in need of sufficient office space to meet its current and future operational needs and conducted an investigation of suitable available office space; and

WHEREAS, approximately 1,922 square feet of space (Suites 420, 421 and 422) is available in the CERM Building (Center for Energy Resource Management), 2045 Lakeshore Drive, New Orleans, LA, within the UNO Research and Technology Park, at a rental rate of \$18.00 per square foot, including utilities and janitorial services; and

WHEREAS, said lease would commence on September 27, 2011 and expire on September 30, 2012, with four one-year renewal options; and

WHEREAS, the location of the SLFPA-E offices within the UNO Research and Technology Park will make available coastal and flood protection resources; and

WHEREAS, the members of the Southeast Louisiana Flood Protection Authority-East received the pertinent information relative to the aforementioned lease and indicated its positive endorsement at the Board meeting held on August 18, 2011, but referred the lease to the Finance Committee for its review of the financial aspects; and

WHEREAS, the UNO Research and Technology Foundation, Inc. has reserved the aforementioned much sought after office space due to the positive interest expressed by the Board; and

WHEREAS, the Finance Committee reviewed and recommended approval of the lease agreement at its meeting held on September 8, 2011.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the execution by the SLFPA-E President of the Lease Agreement between the UNO Research and Technology Foundation, Inc. and the Board of Commissioners of the Southeast Louisiana Flood Protection Authority-East.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-03 – DESIGNATION OF OFFICIAL DOMICILE

Mr. Doody explained that the resolution before the Board is to officially change the Authority's domicile to the location of its new offices.

On the motion of Mr. Wittie,

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

WHEREAS, the Board's Bylaws provide under Article 2 for an Official Domicile of the Southeast Louisiana Flood Protection Authority-East at such place in the territorial jurisdiction of the Authority as the Board may designate by Resolution from time to time.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East designates the location of its official domicile at Suite 422, CERM Building (Center for Energy Resource Management), 2045 Lakeshore Drive, New Orleans, Louisiana, 70122, effective September 27, 2011.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-04 – APPROVAL OF LEGAL INVOICES

Mr. Barry advised that the legal invoices have been reviewed and approved by the appropriate levee district Executive Director, the SLFPA-E Regional Director and the SLFPA-E General Counsel. He recommended approval of the legal invoices.

On the motion of Mr. Barry,

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

WHEREAS, the legal 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, 2011",

have been reviewed and approved by the appropriate levee district Executive Director, the SLFPA-E Regional Director and the SLFPA-E General Counsel, Robert Lacour; and

WHEREAS, the aforementioned invoices were submitted to the members of the Legal Committee for review.

BE IT HEREBY RESOLVED, that the legal invoices listed on the spreadsheet entitled "Legal Invoices Approved on September 15, 2011" are hereby approved.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

**RESOLUTION NO. 09-15-11-05 –
CONTRACT FOR LIMS STRATEGIC IMPLEMENTATION PLAN**

Mr. Pineda explained that the Authority advertised a Request for Proposals (RFP) for the overall development of a strategic plan for the Levee Improvement Management System (LIMS). The selection process was guided by State's requirements in the use of Federal Community Development Block Grant funding. Eight submittals were received in response to the RFP. The selection committee consisted of Mr. Pineda, Chair, Stevan Spencer, SLFPA-E Regional Chief Engineer, Roger Colwell, SLFPA-E GIS Manager, and Kevin Spruell, O.L.D. Engineer Manager. The selection committee met last month after the August Board meeting and after having thoroughly reviewed the submittals decided to interview four firms. The selection committee met yesterday and interviewed the four firms: NVision, HNTB, Atkins North America and Royal Haskoning. The selection committee unanimously recommended the firm of Atkins North America based upon the competitive scoring and interview process.

Mr. Jackson commented on the need to develop the LIMS in a practicable way so that it will be a usable tool. Mr. Turner concurred with Mr. Jackson and explained that this was the reason for the development of a strategic plan before proceeding further with the development of the LIMS. In particular, the priorities need to be known and a plan put in place. The original intent in developing the LIMS was to provide information relative to vulnerabilities in the event of a particular type of storm. Information on factors that affect levee integrity, such as elevation, stability and seepage, would be kept in a way that is easily retrievable not only during a storm, but at any time and for any reason. Another part of the LIMS is geared towards the tools that assist in closing the system and the decision making process.

Mr. Turner advised that the Authority is working with the CPRA on the State's I-Levee (Intelligent Levee) Program initiative. He also advised that the instrumentation being installed by the USACE at the IHNC Storm Surge Barrier will be turned over to the levee district for operation and maintenance upon completion of the project. The State is considering placing instrumentation on some of the levees and a Memorandum of Understanding for this initiative is being worked out. The O.L.D. will be placing cameras in the near future at some strategic locations for monitoring purposes.

Mr. Pineda added that the strategic plan will probably recommend a family of components for the LIMS and additional assistance will be needed to build the components.

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

WHEREAS, members of the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) staff, including the regional director, have traveled to The Netherlands on several occasions since Hurricane Katrina to observe Dutch Levee Information Management Systems (LIMS), among other things; and

WHEREAS, LIMS have been used effectively by Dutch flood control authorities; and

WHEREAS, the Government of The Netherlands provided funding to develop a pilot LIMS for the SLFPA-E in 2009; and

WHEREAS, the SLFPAE has received Community Development Block Grant funding for the initial development of a comprehensive LIMS; and

WHEREAS, the LIMS will store data about the Hurricane Storm Damage and Risk Reduction System (HSDRRS), Mississippi River Levees (MRL) and related assets, including but not limited to geotechnical information about flood gates and flood walls, maintenance and inspection reports, and permits; and

WHEREAS, a strategic implementation plan is needed in order to develop a cost-effective system that is easy to maintain and leads to efficient decision making; and

WHEREAS, the SLFPA-E advertised a Request for Proposals (RFP) for engineering consulting services to develop such a strategic implementation plan; and

WHEREAS, the eight proposals submitted in response to the RFP were reviewed and competitively rated in accordance with CDBG requirements by the selection team, which was chosen by the SLFPA-E President in accordance with Board policy; and

WHEREAS, the selection team recommends the selection of Atkins North America for the aforementioned project.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the selection of Atkins North America for the development of a Strategic Implementation Plan for the Levee Information Management System.

BE IT FURTHER RESOLVED, that the SLFPA-E Regional Director is authorized to negotiate the final Contract with Atkins North America, and that the SLFPA-E President is hereby authorized to execute said Contract with Atkins North America.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-06 – RFQ FOR SURVEYING SERVICES

Mr. Estopinal explained the need to survey the levee districts' rights-of-ways and to document the rights-of-ways in a sustainable way. The SLFPA-E's current list of indefinite delivery-indefinite quantity (ID-IQ) contracts may not be sufficient for the proposed work and the current contracts may be in need of extension; therefore, he recommended that the Board authorize the advertisement of the RFQ in order to develop a stable of qualified firms for ID-IQ contracts for the proposed right-of-way monumentation recovery and identification. Each levee district would pay the cost for survey work within its perspective district. Federal and non-Federal levee rights-of-ways would be included in the proposed survey work. The survey data can be provided in a format that can be directly imported by the SFLPA-E's GIS Manager into the LIMS.

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

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the advertisement of a Request for Qualifications (RFQ) for professional surveying services to survey rights-of-ways and servitudes within the East Jefferson, Orleans and Lake Borgne Basin Levee Districts.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-07 – REQUEST FOR ATTORNEY GENERAL OPINION

Mr. Lacour explained that questions were brought up during the discussion at the Operations Committee meeting regarding the retro-activeness of the recent legislation passed by the Louisiana Legislature (R.S. 38:225) increasing the required area adjacent to levees from 6-ft. to 15-ft. and the location from which the new 15-ft. requirement should be measured. He clarified that the 15-ft. area is not a servitude. It is a prohibition of the property owner placing anything within the 15-ft. area that adversely affects the structural integrity or maintenance of the levee. An Attorney General's opinion is needed in order to answer these questions. Mr. Seidemann with the Attorney General's Office advised that he or someone from his staff would be providing the requested opinion.

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

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East hereby authorizes its General Counsel, T. Robert Lacour, to obtain an Attorney General's opinion relative to Revised Statute 38:225 and the jurisdiction of police in a regional authority.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-08 – EJLD EQUIPMENT PURCHASE

Mr. Estopinal advised that the purchase of the truck was discussed by the Finance Committee and recommended for approval.

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

WHEREAS, by Resolution No. 03-17-11-10, the Southeast Louisiana Flood Protection Authority-East approved the Fiscal Year (FY) 2012 East Jefferson Levee District (EJLD) General Operating Budget; and

WHEREAS, the EJLD is need of a 2012 F250 Crew Cab 4x4 (6.2 liter V-8 gas) truck, which can be purchased through a Jefferson Parish contract at a cost of \$29,756; and

WHEREAS, the aforementioned equipment was not included in the approved FY 2012 Budget and funding for said equipment is available from unobligated funds remaining in the Budget.

BE IT HEREBY RESOLVED, that the purchase by the EJLD of a 2012 F250 Crew Cab truck is hereby approved.

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

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Losonsky

**RESOLUTION NO. 09-15-11-09 –
AUDIO/VIDEO SYSTEM FOR O.L.D. SAFE HOUSE/IT/EOC BUILD OUT**

Mr. Estopinal advised that the purchase and installation of the audit/video system was discussed by the Finance Committee and recommended for approval.

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

WHEREAS, the Orleans Levee District (O.L.D.) built-out a portion of the warehouse building within its Franklin Administration Complex to safely house its employees

and critical information technology equipment during severe weather and hurricane events and for an Emergency Operations Center; and

WHEREAS, when the safe house space is not needed for severe weather events, it will be available for public meetings conducted by the O.L.D.; and

WHEREAS, the O.L.D. publicly advertised for bids Spec. 476 – Supply and Install Sound and Video System; and

WHEREAS, the advertisement for bids generated 25 inquiries and six were received; and

WHEREAS, the equipment bid includes technology for the Emergency Operations Center that will be used for monitoring the O.L.D.'s flood protection system, the Levee Information Management System, security cameras at critical locations and severe weather conditions, as well as audio and video equipment for use in public meetings; and

WHEREAS, the lowest and most responsive and responsible bid was received from Synergy in the amount of \$50,002.86; and

WHEREAS, funding for this project is available in the approved FY 2012 Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the award of the bid for Spec. 476 – Supply and Install Sound and Video System to Synergy in the amount of \$50,002.86.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director is authorized to execute any and all documents necessary to carry out the above.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

**RESOLUTION NO. 09-15-11-10 –
SALE OF TWO BORROW PITS LOCATED IN NEW ORLEANS EAST**

Gerry Gillen, O.L.D. Executive Director, explained that the O.L.D. will ensure that the USACE has removed all of the borrow material required before proceeding with the sale of the pits.

On the motion of Mr. Barry,

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

WHEREAS, the Orleans Levee District (O.L.D.) is in possession of two borrow pits located on Michoud Boulevard and Lake Forest Boulevard in New Orleans East; and

WHEREAS, the property on which the borrow pits are located was purchased by the Federal government for U.S. Army Corps of Engineers' contractors to excavate borrow materials to be used for the construction of the Hurricane and Storm Damage Risk Reduction System; and

WHEREAS, the borrow pits are no longer needed for the aforementioned purpose and have been deeded to the Orleans Levee District; and

WHEREAS, interest has been expressed in the purchase of the aforementioned borrow pits; and

WHEREAS, procedures required for the sale of land by a levee district are set forth in the Revised Statutes (R.S.), particularly R.S. 41:131 and 41:139.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the O.L.D. Executive Director to take all actions necessary, as directed by General Counsel and required by law, for the sale of the above mentioned borrow pits.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-11 – CELL TOWER LEASE SITE

Mr. Doody explained that a cell tower has been located on a piece of land owned by the O.L.D. for a number of years. Two offers were received on a purchase and a long term lease of the tower site. A professional consultant with the required expertise and experience is needed to provide advice.

On the motion of Mr. Wittie,

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

WHEREAS, the Orleans Levee District Flood Protection Division leases an approximately 60-ft. by 60-ft. section of land at the south end of the Franklin Warehouse for the location of a cellular tower; and

WHEREAS, two proposals have been received concerning a long term lease or perpetual easement for the tower site; and

WHEREAS, a professional consultant with the appropriate expertise and experience is needed to evaluate the current proposals, recommend a path forward relative to seeking and obtaining additional competitive proposals, and provide a final recommendation to the Board.

BE IT HEREBY RESOLVED, that the O.L.D. Executive Director is authorized to seek the professional services of a consultant to provide the aforementioned guidance, evaluation and recommendation.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director or the SLFPA-E Regional Director is authorized to execute a contract with the aforementioned consultant, in accordance with the SLFPA-E policy for the execution of Professional Service Contracts.

BE IT FURTHER RESOLVED, that the consultant's recommendation relative to a final disposition of the lease or easement will be submitted to the Board for approval.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-12 – O.L.D. POLICE DEPARTMENT

Mr. Gillen advised that the O.L.D. is awaiting Civil Service approval of the Layoff Avoidance Plan. Mr. Doody commented that advice is being sought from the Attorney General's Office relative to the position of police chief and the ability to act regionally.

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

WHEREAS, by Resolution No. 06-16-11-03 the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) approved payment by the Orleans Levee District Flood Protection Division for the full Orleans Levee District (O.L.D.) police force for a sixty-two day period, commencing on July 1, 2011 and ending on August 31, 2011; and

WHEREAS, by Resolution No. 08-18-11-12, the SLFPA-E approved an extension of the above mentioned period for thirty days (September 1-30, 2011) to provide time for the execution of a Cooperative Endeavor Agreement between the SLFPA-E, on behalf of the O.L.D., and the Non-Flood Protection Asset Management Authority for the transfer and acceptance of police personnel, equipment and facility maintenance and to complete said transfer; and

WHEREAS, an additional 31-day extension is required in order to obtain Louisiana Civil Service approval on the O.L.D. Layoff Avoidance Plan for the police.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the payment by the Orleans Levee District Flood Protection Division for the full Orleans Levee District police force for an additional thirty day period, commencing on October 1, 2011 and ending on October 31, 2011.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-13 – APPLICATION FOR FEMA PRE-DISASTER MITIGATION FUNDING TO CONSTRUCT SAFE ROOM FOR THE LBBLD

Mr. Doody explained that a presentation was provided on this item earlier in the meeting. A public meeting will be held to receive public input. Stuart Williamson, LBBLD Executive Director, and his staff were asked to start the process of seeking letters of support from interested citizens and businesses.

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

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) is responsible for flood control and drainage of its area of jurisdiction, namely St. Bernard Parish; and

WHEREAS, neither the Government of St. Bernard Parish nor the LBBLD have been in the possession of sufficient resources to build a safe room to shelter critical flood control personnel, namely pump station operators and support personnel, during an extreme wind event, such as a hurricane; and

WHEREAS, the ability of pump station operators to pump storm water continuously out of the drainage canals during an extreme wind event, such as a hurricane, is crucial to prevent flooding of the parish; and

WHEREAS, the building facilities of Pump Stations Nos. 1 and 6 were not constructed to withstand hurricane force winds equal or greater than Category 3 nor do they meet FEMA wind speed requirements for a safe room; and

WHEREAS, the LBBLD pump station operators and support personnel are in need of a safe room where they can take shelter during an extreme wind event, such as a hurricane, the location of which would be in close proximity to the pump stations to allow them to remain at their posts for as long as possible and return to their posts as quickly as possible during such an event; and

WHEREAS, the continued operation of Pump Stations Nos. 1 and 6 during a severe wind event, such as a hurricane, is critical to prevent flooding of Drainage Area One of St. Bernard Parish, in which government buildings and critical parish infrastructure, such as hospitals, police and fire stations are located; and

WHEREAS, the cost of such a safe room is estimated to be \$710,000.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) approves the LBBLD's submission of a FEMA Pre-Disaster Mitigation grant application for the construction of a safe room at Pump Stations Nos. 1 and 6 to shelter pump station operators and support personnel during an extreme wind event, such as a hurricane.

BE IT FURTHER RESOLVED, that the SLFPA-E is aware that such application requires a 25% match from LBBLD and that based on an estimated cost of \$710,000 to build a safe room, LBBLD is in possession of sufficient funds to meet the match obligation and that formal approval of using these funds for this purpose will be forthcoming should LBBLD be awarded the grant.

BE IT FURTHER RESOLVED, that should LBBLD be awarded a PDM grant for construction of a safe room, the LBBLD Executive Director is authorized to sign a grant agreement and any grant-related documents with FEMA.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Losonsky

RESOLUTION NO. 09-15-11-14 –AMENDMENT TO THE CONTRACT WITH W.S. NELSON AND COMPANY, INC. FOR CONSULTING ENGINEERING SERVICES TO ADDRESS SEEPAGE ISSUES AT PUMP STATIONS #2 AND #3

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

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) issued a Request for Qualifications (RFQ) for engineering consulting services required for the preparation of plans and specifications to address seepage issues at Pump Stations #2 and #3; and

WHEREAS, the selection committee recommended the firm Waldemar S. Nelson and Company, Inc. to provide the aforementioned engineering consulting services; and

WHEREAS, Resolution No. 12-16-10-14 adopted on December 16, 2010, authorized the LBBLD Executive Director to develop a Scope of Work and negotiate a Contract with Waldemar S. Nelson and Company, Inc. for consulting engineering services required for the preparation of plans and specifications to address seepage issues at Pump Stations #2 and #3; and

WHEREAS, it was determined that due to the complexity of the work the design portions of this project should be divided into two phases; and

WHEREAS, Waldemar S. Nelson and Company, Inc. submitted a proposal for Phase One of the work dated 02-22-11, titled LBBLD Repairs Flowage PS #2 & 3, NELSON Proposal (Rev 1), Project No. 20110007; and

WHEREAS, based on said proposal, Resolution No. 02-17-11-08, adopted on February 17, 2011, authorized the LBBLD Executive Director to enter into a contract with Waldemar S. Nelson and Company, Inc. for consulting and engineering services required for the preparation of plans and specifications to address seepage issues at Pump Stations #2 and #3, Phase One at a negotiated amount not to exceed \$42,000.00; and

WHEREAS, the Contract for Phase One for a lump sum fee of \$39,600 was executed on April 5, 2011 and completed; and

WHEREAS, based on the information derived from Phase One, Phase Two of the design work was determined ready to be initiated; and

WHEREAS, Resolution No. 07-21-11-08, adopted on July 21, 2011, authorized the SFLPA-E President to execute an agreement with Waldemar S. Nelson and Company, Inc. for an amount not to exceed \$225,000 for consulting engineering services for the engineering and design required for the preparation of plans and specifications to address seepage issues at Pump Stations #2 and #3, Phase Two; and

WHEREAS, Waldemar S. Nelson and Company, Inc. submitted a proposal for Phase Two of the work dated 08-05-11, titled LBBLD Seepage Repairs PS #2 & 3, Preliminary, Design, & Construction Phases, NELSON Proposal, Project No. 20110007; and

WHEREAS, the aforementioned proposal included preliminary and final design fees totaling \$223,880 and a construction phase with fees for the second phase totaling \$40,380, bringing the total for Phase Two to a lump sum amount not to exceed \$264,260; and

WHEREAS, the fees set forth in the proposal for Phase Two of the work dated 08-05-11, titled LBBLD Seepage Repairs PS #2 & 3, Preliminary, Design, & Construction Phases, NELSON Proposal, Project No. 20110007, are in conformity with ASCE's guidelines for consulting and engineering services based upon the estimated costs of construction; and

WHEREAS, the LBBLD Executive Director has reviewed the proposal and finds the fees to be reasonable for the scope of work.

BE IT HEREBY RESOLVED, that the LBBLD Executive Director is authorized to execute an amendment to the Contract executed on April 5, 2011 with Waldemar S. Nelson and Company, Inc. to increase the scope of work to include the preliminary engineering, design and basic construction phases for Phase Two of the project to address seepage issues at Pump Stations #2 and #3, to extend the termination date of the contract to September 30, 2012, and to increase the amount of said Contract by a lump sum amount not to exceed \$264,260.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Jackson,
Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Losonsky

Motion to authorize the LBBLD to utilize the services of Atkins North America, Inc., through a task order issued under the Office of Coastal Protection and Restoration's Professional Services contract with said firm to provide professional engineering services and project management support to assist the LBBLD staff.

A motion was offered by Mr. Wittie, seconded by Mr. Pineda and unanimously adopted, to defer this item to the next meeting.

The next regular monthly Board meeting will be held on October 20, 2011, and hosted by the East Jefferson Levee District.

There was no further business; therefore, the meeting was adjourned at 1:35 p.m.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST
REGIONAL DIRECTOR'S REPORT

September 15, 2011

100 Year Level of Protection

IHNC 01- Seabrook Structure:

All tie-in T-Wall monoliths are complete. Both coffer dams are complete. All pipe piles have been driven in the coffer dam. The IHNC is completely closed to navigation at the Seabrook construction site.

The Seabrook construction site, including the cofferdam, was flooded during Tropical Storm Lee. The cofferdam has been unwatered, but cleaning of Sector Gate stabilization slab is slow-going due to rebar that was placed just prior to the storm. Impacts from the flooding are not yet completely known, but at least a four week slip in the construction schedule is likely.

Rebar is being placed for the vertical lift gate piers. The steel vertical lift gates (50%) and sector-gate leafs (10%) are in fabrication and are scheduled to be delivered to the site by mid-fall of 2011.

A temporary irrigation system is being installed this week in preparation for placement of sod during the week of September 19, 2011.

LPV104.02A, which is being done under this contract, is complete. The gate has been exercised for the Orleans Levee District. Final turnover will be at the same time as the Seabrook Structure.

Construction on the Project is scheduled for completion in the spring of 2012.

IHNC 02 - Inner Harbor Navigation Canal Hurricane Storm Surge Barrier:

The Contractor continues to make good progress. Overall design is almost 100% complete. Major construction activities are about 90% complete. The Floodwalls and T-Walls in this project are complete. The Bypass Gate is open to navigation while work continues on the Sector Gate. Our emphasis continues to be on Operation & Maintenance considerations and the necessity to "design in" reasonable O&M features.

The Bayou Bienvenue steel lift gate is in place in the closed position and the structure has been flooded. The towers and bridge for Bayou Bienvenue should arrive around the end of September 2011.

Installation of scour stone in various places is about 40% complete while foreshore protection waits on real estate acquisition, which is expected in mid October 2011.

Construction on the sector-gate concrete top deck should start next month, and the hydraulic cylinders necessary for opening the gate arrive in October 2011.

Construction of the guide walls should begin in early September 2011. The safe house, ramps, and bulkhead storage facility are out for bid and are expected to be awarded in early September 2011. The last work item, the south vehicle access ramp, is also out for bid.

The approach wall piles, both steel and concrete, are in fabrication. Traylor Brothers, the approach wall installation subcontractor, has begun to mobilize.

The south control house walls and roof have been placed along with the north control house walls. The roof for the north control house will be placed this week.

Massman is temporarily demobilized from the site until the hydraulic cylinders fabrication is complete. The HPU fabrication is complete.

Baker will demobilize now and re-mobilize in mid November to start the barge mechanical work.

Shaw Global is 71% complete with the fabrication of the Bayou Bienvenue Lift Gate steel towers and bridge.

Two field exercises have been conducted by the USACE and their Contractors to demonstrate the interim closure of the barge gate opening in the event of a storm this year. The interim closure requires the use of a tug boat and temporary pumps. The final mechanical systems for the barge gate are still a work in progress.

The O&M manuals are under development and onsite training for the NFS is scheduled to begin in January 2012.

East Jefferson Levee District:

Reaches 1 thru 5:

The Work is substantially complete. Turf establishment issues still remain. The vegetation contractor has started work on turf establishment. Reaches 1, 3 and 4 have been spot seeded and the entire Levee Reach was fertilized. Reach 2 was cut, seeded and fertilized completely. Final Inspections on Reaches 1 and 5 were completed in late August and early September. The USACE has modified contracts to address East Jefferson Levee District's concerns with access ramps in all Reaches.

Bonnabel Breakwater Project:

The Notice of Construction Complete Letter for this Project was transmitted by the USACE to CPRA and copied to EJLD on November 12, 2010.

Duncan Breakwater Project:

The Notice of Construction Complete Letter for this Project was transmitted by the USACE to CPRA and copied to EJLD on February 2, 2011.

Williams Blvd. Floodwall and Gate:

Work is substantially complete. The final inspection was held on January 24, 2011. The USACE transmitted the final punch list and the Contractor is addressing the punch list items. The gate winch, which was sent back to the manufacturer for inspection and repair/replacement, has now been given to East Jefferson Levee District. The gate failed paint inspection and will have to be repainted. There is a crack in the concrete approach slab on the flood side of the gate that will need to be addressed.

Bonnabel Floodwall and Gate:

Work is substantially complete. Final inspection was held on December 20, 2011. Turf establishment issues remain. The gate failed paint inspection and will have to be repainted. Roadway striping needs to be redone. The contractor has to complete bolt torque modification.

Pump Station Fronting Protection:

The Work is approximately 49% complete. Work is ongoing at Elmwood and Suburban Pump Stations and accompanying Breakwaters. Work has begun on a limited basis at Duncan and Bonnabel Pump Stations. The Contractor has installed interim measures at both Elmwood and Suburban Pump Stations to defend against a 100 year event.

LPV 017.2 (Causeway Crossing):

Causeway traffic has been rerouted onto a temporary roadway on the median for both northbound and southbound traffic. The Contractor has completed driving piles on the west side of the projects. Work is underway on both north and south bound bridge spans. Work is approximately 41% complete.

West Return Levee/Floodwall - North:

Work is approximately 76% complete. H-pile driving operations are now progressing on three headings. Pile driving hours have been extended (7:00am to 10:00pm). The Contractor is placing concrete monoliths in all work areas. The USACE requested permission from the City of Kenner to work on the protected side of the old flood wall. This request was denied.

West Return Levee/Floodwall – South:

Work is approximately 77% complete. The Contractor is driving H-piles for the T-Wall foundation. H-Pile driving remains only in the canal area North of I-10. Pile

driving beneath the I-10 Bridge is complete. Elsewhere, sheet pile driving operations are complete. Work has begun on the concrete monoliths. Rip Rap is being placed on flood side of new wall footers.

Foreshore Protection Reaches 1 and 2:

The Contractor is placing fabric and stone. Work is approximately 54% complete. Reach 2 is 90% complete with contractor working on tie-in at Elmwood Pump Station. Reach 1 is 30% complete.

Foreshore Protection Reaches 3 and 4:

The Contractor is placing fabric and stone. Work is approximately 72% complete. Contractor has completed dredging access channel on Reach 4.

West Return Levee (Airport Runway):

Phase I (northern section) work is approximately 96% complete. Phase II has been delayed because of the NOAB runway landing light relocation project. The required FAA flight check of the landing light system was completed on Tuesday, September 6th. The contractor is mobilizing on site to complete the work on Phase II. The Bonnet Carre Borrow Pit was flooded due to the high River stage. The Contractor was authorized by the USACE to obtain borrow material from the Willow Bend borrow pit on the West Bank. HESCO baskets are in place to defend against a 100 year storm surge event this year.

Orleans Levee District:

LPV 101.02 (17th St. Canal to Topaz Street):

Construction is approximately 98% complete. All walls are complete. The aesthetic quality of the wall finish has been poor and we have requested the USACE to require the Contractor to make the appropriate repairs. The Contractor's repair plan and coating proposal was approved by Corps, and the Contractor will begin painting the walls.

The L1A floodgate column is bowed and prevents proper sealing of the gate in the closed position. The Contractor is surveying the site and has presented a plan to correct the deficiencies. The Corps is reviewing the proposed correction plan; corrective action will be taken after 2011 Hurricane Season.

LPV 102.01, 103.01, and 104.01:

Projects are 100% complete. The Notice of Construction Complete has been transmitted to Orleans Levee District on all three Projects.

LPV 103.01 A1 (Bayou St. John):

Construction is now about 99% complete. The pre-final inspection was held on December 9, 2010. A Contract Modification was issued to address excessive I-wall stick-up on the Orleans Canal near Lakeshore Blvd and construction of the modified Work is now complete. Turf issues still need to be addressed, along with safety and scour protection issues. Additional slope pavement will be added near the control structure. Final inspection will be scheduled after completion of all punch lists items.

LPV 103.01 A2 (Rail Street and Lake Terrace Flood Gate):

Construction is approximately 99% complete. Lakeshore drive is now open at Rail St. and Lake Terrace. Seals at Rail St. and Lake Terrace are being repaired. The final inspection is to be scheduled. The guard rail at the Lake Terrace floodgate has to be realigned.

LPV 104.01 A (Ramp Crossings – Lakeshore Dr.):

Construction is approximately 100% complete. All ramps are open to vehicular traffic. Turf establishment is still required. The Franklin Ave. ramp was reseeded. The Contractor is working the punch list items. Turf establishment will be turned over to an IDIQ contractor after final inspection.

LPV 104.02 (Seabrook West Side IHNC):

Construction is complete. The final inspection was held on June 29, 2011. The Notice of Construction Completion (NCC) letter is being prepared by the USACE.

LPV 105.01 (Lakefront Airport T-Wall West):

Construction is approximately 99% complete. All lanes of traffic are open at Downman Rd. Final inspection will be scheduled upon completion of punch list items. The gates are in final adjustment for operation. The flood side of the T-Wall has been painted by the contractor. One street light and pole still have to be replaced.

LPV 105.02 (Lakefront Airport T-Wall East):

Construction is approximately 95% complete. All T-Wall monoliths are complete. Work is progressing on the discharge end of the St. Charles Drainage Pump Station. The structure has been dewatered for inspection. Turf establishment is ongoing. The contractor is building 2 manholes on the flood side. Exercising of valves and sluice gates for OLD will be scheduled after installation of the actuators.

LPV 106 (Citrus Lakefront Levee):

Construction is approximately 96% complete. Turf needs to be established and concrete joints need to be re-sealed. Concrete slope pavement cracks must be

repaired. Safety issues still need to be addressed. The type of “safety” device for installation on the top of the I-Wall is still in review. Ramps have not yet been paved. Pre-final inspection still needs to be scheduled.

LPV 107 (Lincoln Beach Floodgate):

Construction is complete. Final inspection to be scheduled. Gates need to be test fitted and demonstrated to OLD personnel. The winch pedestal must be repaired.

LPV 108 (New Orleans East Lakefront Levee):

The Project is substantially complete. The USACE hired labor group is mowing the grass. Turf issues still remain. The access roadway has been removed. Slope pavement at Collins pipeline crossing still needs to be repaired.

LPV 109.02a (South Point to CSX Railroad – Levee Embankment):

Construction of the Project has been combined with LPV 109.02c (HWY 90 and HWY 11 floodgates). Construction is complete. 98% of the levee is seeded. The T-Wall monoliths associated with the floodgate at HWY 90 and HWY 11 are complete and the floodgates are installed and have been exercised. HWY 90 and HWY 11 are open to traffic, except for periodic closure for asphaltting. All remaining work at four drainage structures and two USFWS pump station has been completed. T-Wall inspection was conducted on August 16, 2011.

LPV 109.02a1 (South Point to CSX Railroad - Wick Drain Test Section):

Construction is complete.

LPV 109.02a2 (South Point to CSX Railroad – Drainage Blanket):

Construction is complete.

LPV 109.02b (South Point to CSX Railroad - I-10 Crossing):

Construction is 99% complete. I-10 traffic has been rerouted back to the normal lane configuration. Turf establishment issues remain.

LPV 109.02c (South Point to CSX Railroad – Hwy 90 and Hwy 11 Floodgates):

Construction will be done under LPV 109.02a.

LPV 110 (CSX Railroad Crossing):

Construction is complete. Pre-final inspection was held on August 10, 2011 and the punch list has been finalized.

LPV 111.01 (North Side GIWW):

The Project is approximately 99% complete. All T-Wall construction and Deep Soil Mixing work is complete. Turf establishment is over 70% complete. The Contractor has installed a temporary irrigation system to facilitate turf establishment.

Pumps are being installed at USFWS Pump Station CTU #6. All required levee crossings have been constructed.

Pre-final inspection was held on July 7, 2011 for Pump Station 15 and its T-Wall. New Orleans Sewerage and Water Board participated in the inspection of and the commissioning of Pump Station 15. The contractor is working on punch list items (mechanical and walkways).

Pre-final inspection for the 1000 LF of T-Wall tie in to IHNC surge barrier T-Wall was held on June 30, 2011.

Pre-final inspection for the levee section was held on September 7, 2011.

LPV 113 (NASA):

Construction is approximately 99% complete. Pre-final inspection was conducted in the first week of October 2010. The Contractor repaired the ruts and rills and started work on turf establishment. Salt content in the soil is high. The USACE is investigating possible corrective measures to get grass growing.

OFC-03 London Ave. Canal:

The work is complete. A mod to the original contract has added 2100 linear feet of sheet pile and 630 linear feet of embankment to this Project, and this additional work has been completed. Turf still needs to be established. Final inspection is scheduled for Sept. 27, 2011.

OFC-04A Orleans Canal:

The work is complete and final inspection is scheduled for Sept. 28, 2011. Turf problems exist in isolated areas.

OFC-05 17th Street Canal:

The work is complete. The bike path (with stairs) on the Jefferson Parish side of canal is completed. Work consisted of deep soil mixing and construction of a grout curtain. A punch list resolution meeting is scheduled for Sept. 22, 2011.

OFC-06 Orleans Canal:

The work is complete. The final inspection was held on August 9, 2011. The punch list was finalized and completed. The NCC letter is being prepared by the USACE.

LPV192.02bs Buttress Slab:

The scope of work includes installation of pre-stressed/precast concrete piles, placement of a buttress slab, structural backfill and stabilization slabs. All vertical and batter piles have been driven. Work is complete. Hydro seeding is on-going. Final inspection is scheduled for October 4, 2011.

LPV192.02 Berm:

USACE Memphis Hired Labor constructed this project (phase 3). Work is complete. Turf establishment still needs to be completed. Hydro seeding is on-going. Final inspection is scheduled for October 17, 2011.

LPV192.03 Relief Wells

In Reach 2, the scope of work includes the installation of 12 new relief wells. In Reach 3, the scope of work includes the installation of 50 new relief wells, modification of 9 existing relief wells, and the installation of subsurface collector line and cleanouts. The work is complete. Collector pipes are in place. Final inspection has to be scheduled.

Lake Borgne Basin Levee District:

LPV 144 (Bayou Dupre Control Structure):

Overall, the Work is approximately 88% complete. Concrete has been placed for both walls of the Sector Gate Structure and the Sector Gate leafs are installed. The pre-inundation inspection was held on May 26, 2011. Bayou Dupre will be closed to navigation at the existing Control Structure until construction is complete. The pre fabricated control house and generator building are being renovated on site prior to acceptance. The pre-final inspection is scheduled for September 28, 2011.

LPV 145 (Bayou Bienvenue to Bayou Dupre):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. Construction is complete. Interim inspections of the T-Wall monoliths are complete. The final inspection is scheduled for August 23, 2011. The stabilization slab saw cutting modification has been completed.

LPV 146 (Bayou Dupre to Verret):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. The Work is approximately 98% complete. All wall monoliths are in place. The emergency by-pass ramp for LA HWY 46 has been completed and paved. Interim inspections of the T-Wall monoliths are complete. The final inspection is scheduled for August 23, 2011. The stabilization slab saw cutting has been completed.

LPV 147 (LA Hwy 46 Flood Gate):

The work is complete. Both Trolley Gates are in place and exercised.

The USACE has eliminated the emergency stand-by beams for all Trolley Gate projects in the St. Bernard Polder.

The LA Hwy 300 Flood Gate has been constructed under the LPV 148.02 Project.

The final inspection was held on August 5, 2011. Grass is growing well.

LPV 148.02 (Verret to Caernarvon):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. Construction is now 98% complete as of this date. Floodwalls are completed and interim inspection has been completed. Turf on the flood side is growing well.

Contrary to St. Bernard Parish's wishes, the USACE has determined that the Creedmore Drainage Structure is no longer needed and it has been removed from the Project without replacing the structure's drainage capacity.

Work on walkways and knife valves at St. Mary's Pump Station is being finalized.

LPV 149 (Caernarvon Floodwall – Lake Borgne Basin Levee District):

The Work is approximately 96% complete. All 90 day breaks (lifts one and two) exceed the minimum requirements for compressive strength.

CPRA has contracted with AECOM to provide technical assistance regarding the concrete issues on this structure. AECOM inspected the structure. Several areas of concern were identified in the sections that contain the 90 day (slow setting) concrete. AECOM recommended additional testing, including the taking of corings to test for in-place compressive strength. CPRA requested permission to conduct this work. On July 18, 2011 HPO asked for a detailed, well thought out plan for the State proposed testing program. The CPRA responded on July 29, 2011. We are still awaiting a response from the Corps.

A request has been submitted by SLFPAE for shielding of exposed gate controls on the south side of structure.

The Upper Hinge Keeper Plate and Upper Hinge Bushings supporting the sector gate leafs experienced distress during operational testing. All repairs have been completed and the sector gates are operational. The structure has been flooded.

Pre-final inspection is scheduled for September 15, 2011.

Armoring

On June 6, 2011 the Corps gave a presentation on the results and recommendation from the AEP workgroup for armoring on the protected side of earthen levees in the HSDRRS. Mike Parks gave the presentation as to how the reviews were done, how the rating system was developed and provided the final decision matrix results. A copy of the AEP meeting minutes were also provided with further explanation as to the decision process.

The Corps had 6 alternatives that were reviewed, all for the 50% confidence level, at both 500 year and 750 year occurrence intervals. Three alternatives were given for each time period. One was for armoring on levees to the 2011 design elevation, the next for armoring and a 6" surface on top of the 2011 design elevation, and the final alternative was for armoring at the 2011 elevation with the risk assessment results included. The armoring for the 2011 elevation with the risk assessment results included at 500 years, had the highest rating from the committee.

A sensitivity study was also run that increased O&M from a 25% to 30% importance factor in the criteria. This resulted in a tie between the armoring for the 2011 elevation with risk assessments for both the 500 and 750 year occurrences.

No T-walls were considered for armoring, and no consideration was given to flood side armoring requirements.

On September 7, 2011, we attended a meeting at the New Orleans District for a presentation from members of the former Interagency Performance Evaluation Task Force (IPET) team (including Dr. Ed Link) regarding the risk assessment contribution to the armoring decision making process. We have requested a copy of their power point presentation.

We visited a site in Lafitte Levee District (the Penn Levee) to see HPTRM in use and talk to the people who own and maintain it. Our staff has compiled a list of sites where HPTRM has been used in the past. Indications are that this material has not been used extensively for erosion protection on levees.

We requested the USACE to construct some test sections to demonstrate installation and maintenance methods, and to collect data to identify and evaluate possible O&M issues. We are awaiting the Corps' plans for test sections.

Permanent Pump Stations

The Design Build Contract was awarded on April 13, 2011 for \$675 million to CBY Design Builders, a joint venture of CDM, Brasfield and Gorrie, and Yates Construction, but the Award is under protest. The Government Accountability Office (GAO) upheld the protest. The decision to re-evaluate the current submittals or go out for new submittals has not yet been made. A decision briefing will be held by the Corps on Sept. 28, 2011.

All three Pump Stations will undergo Independent External Peer Review.

HSDRRS Elevation and Status Maps

The USACE has published a map showing the 100 year level of protection elevations for the hurricane protection levee system in the metro New Orleans area. The elevations depicted are current as of June 2010. The map can be found at the following web address:

http://www.mvn.usace.army.mil/hps2/pdf/2010_System_Construction%20Status_Map.pdf

The new Greater New Orleans HSDRRS June 2011 Status Map can be found at the following web address:

<http://www.mvn.usace.army.mil/hps2/pdf/riskstatusmap.pdf>

FEMA NFIP Levee System Accreditation

According to the latest tally compiled by the New Orleans district, 19 projects are “at risk for accreditation”, and all but five are on the West Bank.

Coastal Protection and Restoration

Lake Borgne Basin Levee District:

The Violet Freshwater Diversion siphon is flowing at full capacity.

Flood Fight

The Mississippi River is below 3.5' at the Carrollton Gage. No formal inspections are being held by MVN or District.

Tropical Storm Lee impacted our area September 2-5, 2011. Approximately 40 gates were closed, including Bayou Bienvenue and Bayou Dupre. The Corps closed the ICS structure on London Avenue Canal in accordance to their guidelines. The IHNC surge barrier was not closed at the barge gates. Tides rose to elevation 6.25' in the IHNC and 4.3' in Lake Pontchartrain.

There were two significant events that occurred during Tropical Storm Lee. A barge from one of the Corps' foreshore protection projects broke loose during rough seas and had to be recovered and secured when conditions started to improve. HESCO baskets at a USACE floodgate construction site on the IHNC washed out and had to be repaired by the Corps' contractor using sandbags provided by Orleans Levee District.

Tropical Storm Lee caused significant erosion along Lakeshore Dr. and the lakefront seawall. Orleans Levee District crews are still cleaning up the roadway and adjacent areas, and repairing numerous washouts.

Tropical Storm Lee provided us with an opportunity to use our Emergency Gate Closure Module of LIMS in an actual event. The program worked fairly well overall, but we identified several components that should be revised to provide a more user friendly tool. We have discussed our suggestions with CPRA/OCPR and we are investigating various avenues to make future improvements.

Tropical Storm Lee after action reports have been submitted by all three levee districts and an after action review meeting was held at the SLFPAE Office on September 13, 2011.

SLFPAE representatives attend the GOSHEP after action meeting in Baton Rouge on Sept. 7, 2011 to discuss operations conducted during the 2011 Mississippi River Flood Fight.

Design and Construction

East Jefferson Levee District:

Work is continuing on the EJLD Safe House. Discussions are underway with the Jefferson Parish Government and the City of Kenner regarding property acquisition.

Orleans Levee District:

The Safe House Project is approximately 96% complete. The Contractor has completed the installation of the refrigeration equipment.

The Bayou St. John Water Management Study Draft Final Report has been distributed. This Project is being funded through State Capital Outlay.

A Contract Amendment has been signed with DEI for the Seawall Steps Erosion Project. The proposal for modifications is under negotiation.

The Outfall Canal Bank Stabilization Monitoring Project, awarded to Gerwick, is 43% complete.

Lake Borgne Basin Levee District:

The 60% design submittal for the Engine Replacement Project at Pump Station 4 was reviewed by LBBLD and comments were forwarded to BKL and incorporated into the 95% design submittal. The 95% design submittal is now under review by LBBLD.

LBBLD signed an MOU with CPRA to utilize an ID/IQ Contract between CPRA and Atkins North America (formerly PBS&J) to procure the professional engineering services needed to complete the documents necessary to bid the Repairs to Pumps at Pump Station #6. Eligibility for FEMA reimbursement is undergoing re-review.

The Emergency Work required to address the seepage issue at Pump Station #3 has been completed. Sheet piles were driven to construct a temporary cofferdam to isolate two of the three discharge tubes. Seepage stopped after the cofferdam was dewatered. W. S. Nelson was selected to provide engineering services required for the permanent work. A scoping meeting was held with Nelson on January 21, 2011. It was decided to conduct the work in two separate phases. The first phase involved site investigations to tie down the source of seepage. The second phase will involve the design of the required work to stop the seepage. Phase 1 is complete. LBBLD has received a proposal from Nelson for Phase 2. A Scope of Work and associated fees have been negotiated for Phase 2 and LBBLD is awaiting Board Approval to issue a contract amendment and NTP to W.S. Nelson.

LBBLD has entered into a Contract with W. S. Nelson for the preparation of plans and specs for a remote control system to operate the pumps at Pump Station 2 from Pump Station 6, and Pump Station 3 from Pump Station 7. The 95% design submittal has been reviewed by LBBLD and submitted comments will be incorporated into the final plans and specifications.

CPRA is working on the preparation of Plans and Specifications for the Violet Canal Dredging Project (Phase II). LBBLD secured the necessary right-of-way from the Meraux Foundation for dredge disposal.

Work on the Violet Canal Closure Structure Improvement Project is nearing completion. A change order was issued to delete the installation of riprap erosion protection at this time due to temporary site access issues. Riprap will be installed under a separate contract after work on the Bayou Dupre Control Structure is complete and open to barge traffic. A Certificate of Substantial Completion was submitted to LBBLD on May 2, 2011.

One of the three pumps at Pump Station 7 failed on August 8, 2011 (333cfs pump capacity). The pump will be repaired off site by Conhagen, Inc. Repair costs could exceed \$150,000.

Internal Affairs

Our ID/IQ Consultant, Halcrow Inc. has completed the review the Safe Water Elevation (SWE) Reports and the designs for the remediation work proposed by the USACE for all three outfall canals. All major comments submitted by Halcrow have been incorporated into the current plans or are under further review by the USACE's consultants. The maximum stick-up/minimum embedment issues identified by Halcrow are still being investigated by the USACE. The SWE Report was reissued as "Mean Operating Water Level" (MOWL) report with the text rewritten. Halcrow is reviewing this final version under their original SOW and will still be within the original budget.

We have three inspectors working with us provided by CPRA. We have been getting additional technical assistance from CPRA staff, LDOTD staff, and Atkins North America [formerly PBS&J] (through an ID/IQ contract with CPRA).

The SLFPA-E Emergency Module for Floodgate Management was completed several months ago. SLFPA-W, CPRA and the USACE expressed a strong interest in modifying the module to make it “web based” so that it can be used on a regional basis. Work to convert the module to a web based product (Phase I) is substantially complete. This Project is funded by CPRA, SLFPA-E, SLFPA-W and Plaquemines Parish.

Royal Haskoning submitted a potential SLFPA-E Project for funding through Flood Control 2015. The Project is called “Hurricane Risk & Safety Module for New Orleans Levee System”. The Project was approved by the Netherlands Government. Work is underway. A workshop was held on June 22, 2011 with several Commissioners in attendance.

The O&M Cost Study for all three levee districts is underway by AECOM. This work is funded through a CDBG Grant.

Per the request of the USACE team, a safety concern letter with photos was submitted on 14 July 2011. The purpose of the letter was to alert the USACE of safety concerns on various projects within the LPV program where safety measures need to be implemented to help prevent accidents. In addition, we requested that the USACE inspection teams help identify any additional safety issues. The NFS team will continue to monitor this until a suitable solution is achieved. Security fencing and railing is being planned for floodwalls and floodwall base drop offs.

Safety:

SLFPA-E levee districts will continue to conduct ongoing safety meetings to review levee district safety manuals and emphasize the importance of following safety rules and guidelines at all times. All field inspectors will conduct a similar ongoing safety meetings process.

New Contracts:

Vali Cooper Int'l LLC – Consultant Agreement for Program, Project and Construction Management Services

The Scope of Work Includes:

- Developing a cost estimate for a Safe Room and assistance with the preparation of a Pre Disaster Grant application (NTE \$5,661).
- Developing a Debris Removal RFP (NTE \$1,500).

Hurricane Preparedness

Preparations for the 2011 hurricane are ongoing. A meeting with the Executive Directors was held at SLFPA-E offices to discuss plans for this year. Each levee district is updating their emergency manual. Weekly radio checks using the State's interoperability communication system began today.

At SLFPAE's urging, the Corps of Engineers hosted a tabletop exercise late last month for participants from the authority and the three levee districts. Maj. Carter presented a major hurricane scenario and asked the district directors and authority regional director to outline what preparatory actions each of them would take from 96 hours out to landfall. The exercise provided a detailed exchange of information between levee directors and key corps personnel from the Emergency Operations Center, HPO and PRO, as well as the corps liaisons who will be assigned to each district and the authority during an event. The exercise included considerable discussion of the need to coordinate gate closings, which this year could well involve contractors on projects that are not yet complete. Of particular importance are gates that must remain open as long as possible to facilitate an evacuation. All parties are working to confect a master gate closure plan, as well as a plan to make certain that contractors with barges working at the West Return Canal floodwall in Kenner and other projects throughout the metro area evacuate those barges in advance of a storm.

The Coast Guard established a Regulated Navigation Area (RNA) for the IHNC that requires evacuation of marine vessels there unless the owners that receive a waiver and utilize CG approved moorings.

A table top exercise was held by the City of New Orleans on July 15, 2011 and was attended by SLFPAE, SLFPAW and CORPS.