

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST
BOARD MEETING
THURSDAY, JANUARY 17, 2013**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority - East (Authority or SLFPA-E) was held on Thursday, January 17, 2013, in the Second Floor Council Chambers, Joseph Yenni Bldg., 1221 Elmwood Park Blvd., Harahan, 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 9:35 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.
G. Paul Kemp
Richard A. Luettich, Jr.

ABSENT:

Thomas L. Jackson
Ricardo S. Pineda

OPENING COMMENTS:

Mr. Doody advised that resolutions will be acted upon later in the meeting to recognize the service and dedication of Jerry Sphorer, Special Assistant to the President of the Southeast Louisiana Flood Protection Authority-West, who passed away on December 24th, and to recognize the service and dedication of George Grugett, long-time Executive Vice President of the Mississippi Valley Flood Control Association.

Mr. Doody explained that the Board received a report from Ben C. Gerwick, Inc., on a study commissioned by the SLFPA-E on the New Orleans East Land Bridge. The report was on a study that was intended to add to the current body of knowledge on the New Orleans East Land Bridge. It was also a study of what could be done to arrest the current erosion occurring in the area, as well as to enhance flood protection for all of the areas under the SLFPA-E's jurisdiction with consideration given to the potential effects. Gerwick was requested by the SLFPA-E not to duplicate previous efforts and to identify features that could help to reduce the risk of flooding and potential consequences of any features. He stressed that the study was just a study. He hoped that the Board would accept the Gerwick report today; however, he stressed that the acceptance of the report is not an endorsement of the plan. He commented that some SLFPA-E Board members have thoughts on what could be done as a further study of this very vulnerable area.

The New Orleans East Land Bridge separates Lake Borgne from Lake Pontchartrain. The land bridge is about 1-3/4's miles wide at its narrowest point and has experienced land loss at a rate of roughly 9-1/2-feet per year between 1930 and 1995 as determined by the U.S. Geological Survey (USGS). If the New Orleans East Land Bridge was to be lost, the risks would be greater for everyone living around or near the lake. He reiterated that the acceptance of the report by the Board is not an endorsement or a plan for construction. It is just additional information that can be used to do what the Board has pledged to do; that is, to enhance flood protection for everyone living within its jurisdiction.

ADOPTION OF AGENDA:

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

**RESOLUTION NO. 01-17-13-01 –
APPROVAL OF DECEMBER 20, 2012 BOARD MEETING MINUTES**

On the motion of Mr. Barry,
Seconded by Mr. Luettich, 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 December 20, 2012.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

PRESENTATIONS:

None.

PUBLIC COMMENTS:

Craig Berthold requested clarification regarding Agenda Item XII.A.4 concerning mapping of levee district rights-of-ways and asked would this work provide definitive information relative to the 17th Street Canal Levee/Floodwall. Mr. Doody requested that Mr. Berthold speak with Robert Turner, SLFPA-E Regional Director, who would be able to provide clarification on the scope of work being performed by GCR & Associates.

Carol Byram distributed a two page handout concerning erosion along the 17th Street Canal Levee. She thanked the Board for attempting to obtain more reliable and accurate right-of-way information by hiring GCR & Associates, Inc. She hoped that the

facts provided to GCR are accurate and not hindered by misinformation or conflicting claims.

COMMITTEE REPORTS:

Finance Committee: Mr. Estopinal reported that the Finance Committee met on January 10th. Motions have been placed on the Board agenda for all items discussed by the Finance Committee with the exception of an item dealing with the recordation of contracts. Robert Lacour, SLFPA-E General Counsel, advised the Committee concerning the new laws relating to the recordation of an amendment or change to a contract. Procedures are being investigated to ensure the most effective implementation of the new laws.

Operations Committee: Mr. Wittie reported that the Operations Committee met on January 10th. The Committee considered the following items:

- Presentation by GCR & Associates, Inc. on the Right-of-Way and Property Easement Mapping Project – GCR reviewed the progress on the project. A motion has been placed on the Board agenda to approve Task Order No. 7 for the continuation of this work.
- Seawall Area Erosion Control Reach 1B Construction Contract – Six bids were received for the project. A motion has been placed on the Board agenda to award the construction contract. The Committee had several questions relative to rates and fees included in the proposal for contract administration, testing and inspection services for the project. The proposal for said services was modified and resubmitted.
- Franklin Warehouse Silo Steel Demolition – The O.L.D. is requesting authority to issue a task order for engineering services for the removal of the steel structure surrounding the three silos. A motion has been placed on the Board agenda for the approval of the task order.
- Amendment to the SeaGrant for the Removal of the Obsolete Flood Control Structure (Waterfall) in Bayou St. John – The amendment will allow additional funding for the Bayou St. John project. A motion has been placed on the Board agenda for the approval of the amendment.

Mr. Doody requested that the Operations Committee review the potential for further work on the Gerwick Study on the New Orleans East Land Bridge. He stressed that although the SLFPA-E is not endorsing the study, it is important to do whatever can be done to maintain the shoreline and potentially marry the SLFPA-E's and State's efforts in order to limit the loss of land as much as possible. Joint consideration of this matter with the Coastal Advisory Committee was suggested.

Legal Committee: Mr. Barry advised that the Legal Committee did not meet during the month of January. A motion has been placed on the Board agenda for the approval of legal invoices.

CPRA/Governmental Affairs: Mr. Barry advised that the Coastal Protection and Restoration Authority (CPRA) did not meet during the month of December. The CPRA will meet next week and will discuss non-structural elements. This will be the first time that the CPRA has formally addressed this issue.

Mr. Barry advised that he was in Washington, D.C., earlier this week and spoke at some length with Senator Mary Landrieu about the operation and maintenance (O&M) of the IHNC surge barrier navigation gates. Senator Landrieu was not particularly optimistic about the ability to address this issue because of the earmark problem. He pointed out that the Louisiana delegation has worked very hard and has done some remarkable things in the passage of the RESTORE Act. The Senate will probably move early in the session for a Water Resources Development Act (WRDA) bill. He commented on an Associated Press news story concerning levees in Sacramento, California, and other areas around the country that are deemed unacceptable and the earmark issue. The USACE is agreeable to taking on the O&M of the IHNC surge barrier navigation gates, as long as they receive the funding for this task. He noted that he met with the Chairman of the House Appropriations Committee, who was in favor of assuring that the money is there for the task, once it is authorized.

Coastal Advisory Committee: Mr. Kemp advised that a brief Coastal Advisory Committee meeting would be held today at 1:30 p.m. The SLFPA-E has been proactive concerning Mardi Gras Pass, which is located within the Bohemia Spillway. USACE and State Permit processes are taking place on an application for a permit to close this new distributary. This issue will be discussed by the Committee. Due to time constraints, the Committee will not be able to receive a presentation by Bob Jacobsen on the next iteration of work on polder flooding criteria.

REGIONAL DIRECTOR'S REPORT:

Mr. Turner reviewed the highlights of the Regional Director's Report (copy appended to minutes). The format of the report will be evolving over the next several meetings. Projects for which a USACE Notification of Contract Completion (NCC) letter was received have been removed from the report. The projects remaining in the report are either still under construction or have on-going issues. He provided additional comment on the following issues:

- IHNC Surge Barrier – Most of the training on the gates has been completed. Some issues developed during the training on the barge gate. The issues have been corrected and a successful opening and closing of the barge gate took place last week. The remainder of the training will take place during the next couple of weeks.
- West Return Levee/Floodwall–North – The NCC letter was received prior to the comments being addressed on the cracks in the wall. A response is expected from the USACE on the State's report on the issue and CPRA's recommendation to seal the cracks.
- LPV 101.02 (17th Street to Topaz Street) – The NCC letter was received on the project; however, the asphalt parking lot buckled during Hurricane Isaac. The

USACE is doing additional work with its hired labor forces to correct this problem. Mr. Doody reminded everyone that the NCC letters are being issued jointly to the CPRA and the SLFPA-E. The State is the local sponsor for the Hurricane and Storm Damage Risk Reduction System (HSDRRS). The State's position is that it will not accept projects on an individual basis. Discussions have been held with the USACE concerning the O&M of portions of the system in a cooperative effort as the projects are completed.

- Armoring – The pilot project is underway; however, the progress of the project had slowed due to rain. The pilot project will determine the feasibility of using High Performance Turf Reinforced Mat (HPTRM), the adequacy of the specifications, and reveal any potential installation, inspection and maintenance problems. Several manufacturers of HPTRM are anticipated to meet the USACE's requirements.
- Permanent Pump Stations – Due to a protest filed after the award of the design-build contract, the USACE will issue a limited Request for Proposals (RFP) on January 25th. Proposals are due in mid-February, the evaluation process will take place and a contract is anticipated to be awarded in early April.
- Certification of non-federal levees – Tetra Tech was selected by the Board to assist with the certification of the non-federal levees. The work will commence using SLFPA-E Indefinite Delivery-Indefinite Quantity (ID-IQ) contracted surveyors for levee profiles and cross sections.
- Flood Fighting – Mississippi River levels were updated after the preparation of the Regional Director's Report. The river level is predicted to rise over the next several weeks to about elevation +8-1/2-ft.
- East Jefferson Levee District (EJLD) Safe House and Consolidate Facilities – The contract with Waggoner and Ball Architects is ready for execution. Fees associated with the architectural work will be based upon the same formula used by the State. A meeting was held with the USACE to learn the required parameters since the facilities will be constructed near a levee. Soils information and elevation data was requested from the USACE. There is a slight discrepancy between the elevation provided by the USACE at the building site and the elevation provided by the EJLD surveyor. Mr. Estopinal briefly discussed some of the problems with datums, geoids and fundamental definition of zero that potentially contribute to such discrepancies. He commented that he has urged the CPRA to investigate a fundamental scientific investigation of the gravity influences across Louisiana and to develop a datum that is based upon it. Mr. Luettich noted that The Water Institute of the Gulf (TWIG) has identified the overall issue of subsidence and the definite of the geoid and datums as a priority item in its science plan. Mr. Kemp recommended that a resolution be developed for the Board's consideration that expresses Mr. Estopinal's thoughts on the issue and a recommendation to TWIG.
- Maxent Levee – The clearing and grubbing of the Maxent Levee has commenced in anticipation of the non-federal levee certification process.
- Bayou Bienvenue Maintenance Cycle Project – The structure has been dewatered and the maintenance work has commenced. The Bayou Dupre Control Structure

remains open most of the time and is closed only as required for high tide and rain events.

- Lake Borgne Basin Levee District (LBBLD) Pump station seepage repairs – The USACE will submit the design work for review.
- LBBLD Safe Rooms – The St. Bernard Parish government will put together a selection committee to review the Statements of Qualifications received for the design of the safe rooms. Nick Cali, LBBLD Executive Director, will be a member of the committee. Mr. Cali added that the Hazard Mitigation Grant Program has allocated \$550,000 for design and \$1.9 million for construction. It is hoped that three safe rooms can be constructed with the funding allocated.
- State of Louisiana On-line Permitting Process – The SLFPA-E is participating with levee districts throughout the State to fund an automated, on-line permitting process. A memorandum of understanding (MOU) is being developed to delineate levee district/State costs. Mr. Lacour will be contacted for the SLFPA-E's comments on the MOU and a recommendation will be made to the Board concerning its execution.
- The Authority will meet with the U.S. Coast Guard to begin discussions concerning next hurricane season. The USACE is expected to turn over the IHNC surge barrier and Seabrook structures to the local sponsor prior to or just after the beginning of the next hurricane season. The SLFPA-E will engage the Coast Guard in a series of meetings concerning communication procedures. The USACE will be asked for their input. Written procedures for notifications and lines of communications for the operation of the structures are anticipated to be developed by mid-April, 2013.
- Hurricane Isaac After Action Review – SLFPA-E e-mail has been moved to an off-site server. Repeaters for cell phone and radio communications have been set up in the Orleans Levee District safehouse. The consolidation of the levee districts' Emergency Operations Manuals into a single document will take place over the next several months.
- Internal quarterly inspection program – Quarterly meetings will take place after inspections have been completed to review the inspections at the staff level. Recommendations will be made concerning the collection of data and moving from a paper format to an electronic data collection system.
- Levee system accreditation – The USACE is developing the Levee Safety Evaluation Report (LSER) for the HSDRRS. FEMA will accredit the system based on the LSER. The current flood insurance rate maps and study assumes that full protection is in place and meets all of the requirements for a one percent chance occurrence event, and that the system is operable and maintainable. The LSER was scheduled to be completed by March 1, 2013; however, it is doubtful that it will be completed by this date. FEMA will need the LSER probably by July at the latest. Additional work is needed to bring the LSER to a final conclusion. SLFPA-E, SLFPA-W, USACE and CPRA representatives have met numerous times on this issue and have what is believed to be workable path forward and keep everyone on track for accreditation. The non-accreditation of the system would have a significant impact on future flood insurance rates.

- Development of Water Control Manuals – A comprehensive meeting was recently held to discuss the water control manuals and move the development process forward. The operation of the Seabrook and IHNC Surge Barrier Structures was discussed at the recent meeting. The SLFPA-E asked to meet with the USACE’s emergency and operations groups to review the timelines and processes established to prepare for opening and closing the structures. This information can be passed on to the consultant assisting the SLFPA-E in the development of its plan. The SLFPA-E’s O&M study was scheduled to be completed sometime in April. The USACE and CPRA have requested that the completion of the plan be accelerated. The USACE will need assurance that the SLFPA-E and CPRA can effectively operate the structures, and have a plan in place, prior to signing the LSER. The use of the Seabrook Structure to control water velocities at the GIWW Sector and Barge Gates, as well as the operation of the gates as flood control structures versus navigation structures, was briefly discussed. Mr. Barry commented that a legal analysis should be done in order to determine how much, if any, flexibility the SLFPA-E may have in regards to making decisions. Mr. Turner noted that a rough draft of the water control manual is anticipated to be completed before the LSER is signed. The SLFPA-E will probably operate for the first year under a preliminary water control manual with the understanding that changes could be made to the manual as additional work is done and as the system is tested by events.

RESOLUTION NO. 01-17-13-02 – RECOGNITION OF MR. GEORGE C. GRUGETT

Mr. Barry explained that the Mississippi Valley Flood Control Association (MVFCA) is the successor to an organization formed after the 1927 flood that was extremely instrumental in passing the 1928 Flood Control Act. Mr. Grugett has run the MVFCA and has been a large part of the organization for over thirty years. Mr. Grugett recently retired due to health issues.

Mr. Doody requested that copies of the resolution be forwarded to the Mississippi Valley Flood Control Association, the Louisiana Association of Levee Boards of Louisiana, and members of the Congressional Delegation.

On the motion of Mr. Barry,

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

“A resolution recognizing the commitment and contributions of George C. Grugett and congratulate Mr. Grugett upon his retirement as Executive Vice President of the Mississippi Valley Flood Control Association.”

WHEREAS, George C. Grugett has served his country and the public for over sixty-five years in the areas of Flood Control, Navigation and Major Drainage; and

WHEREAS, after completing his training with the Aviation Cadet Training, United States Army Air Corps, Mr. Grugett flew with the 12th Air Force in the European Theatre of Operations in WWII; and

WHEREAS, after the war, Mr. Grugett obtained a degree in civil engineering and worked as a civilian employee of the Corps of Engineers; and

WHEREAS, Mr. Grugett retired from the U.S. Army Corps of Engineers in 1978 after a distinguished career spanning 35 years with the Memphis District of the U.S. Army Corps of Engineers; and

WHEREAS, Mr. Grugett has received numerous awards and recognition for his exceptional performance of duty and accomplishments, including the Department of the Army's Meritorious Civilian Service Award and the Silver Order of the deFleury Medal by the Commander of the U.S. Army Corps of Engineers; and

WHEREAS, Mr. Grugett was inducted into the U.S. Army Corps of Engineers Gallery of Distinguished Civilian Employees in 1991 and earned a Lifetime Achievement Award from the American Rivers Museum; and

WHEREAS, in 1980 Mr. Grugett accepted the position of Executive Vice President of the Mississippi Valley Flood Control Association (MVFCA) where his extraordinary experience in flood control and water resources proved invaluable; and

WHEREAS, as Executive Vice President of the MVFCA Mr. Grugett testified before Congressional leaders and advised Executive Branch officials on flood control issues and State and local leaders throughout the Mississippi Valley on the development of flood control, navigation and environmental infrastructure projects; and

WHEREAS, Mr. Grugett's dedicated work and advocacy in the area of flood control and water resources has played an important role in the safety and protection of the public and bettering the quality of life and economy of the nation; and

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East expresses its sincerest gratitude to Mr. Grugett for his dedication and service to his country and the public, and congratulates Mr. Grugett upon his retirement as Executive Vice President of the Mississippi Valley Flood Control Association and for his years of exceptional public service.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Doody, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

RESOLUTION NO. 01-17-13-03 – RECOGNITION OF MR. GERALD A. SPHORER

On the motion of Mr. Wittie,

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

**“A RESOLUTION TO EXPRESS SINCERE AND HEARTFELT CONDOLENCES
UPON THE DEATH OF GERALD A. ‘JERRY’ SPOHRER”**

WHEREAS, it is with deep regret and profound sorrow that the members of the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) learned of the death of Gerald A. “Jerry” Spohrer on December 24, 2012; and

WHEREAS, Mr. Spohrer was a dedicated public servant for over 20 years; and

WHEREAS, Mr. Spohrer served with distinction as Executive Director of the West Jefferson Levee District (WJLD) for more than eighteen years, and since 2010 has served as Special Assistant to the President of the Southeast Louisiana Flood Protection Authority-West (SLFPA-W); and

WHEREAS, Mr. Spohrer’s leadership and knowledge of levee district administration, logistics and operations was instrumental in guiding the growth of the WJLD through its early formative stage into a mature, effective and distinguished organization, and, the smooth, orderly and efficient transition of the district into the newly created (SLFPA-W); and

WHEREAS, Mr. Spohrer’s professionalism, resolve and commitment made a significant contribution to the WJLD and SLFPA-W in the execution of the multi-billion dollar West Bank and Vicinity Flood Protection Project in partnership with the U.S. Army Corps of Engineers which now provides flood protection to the lives and property of the citizens of the Greater New Orleans Area in four Parishes on the Westbank of the Mississippi River; and

WHEREAS, Mr. Spohrer’s leadership skills and his expertise in emergency operations were invaluable in Hurricane Katrina and the challenges of its aftermath during which, under his leadership, the WJLD provided personnel, supplies and equipment to other levee districts in the storm devastated areas of Southeast Louisiana and support to the Orleans Levee District in the closing of the 17th Street Canal breach; and

WHEREAS, his professionalism, loyalty, integrity, dedication and commitment to public service garnered him the highest respect of citizens, civic leaders, public officials, and the Louisiana Legislative and Congressional delegations; and

WHEREAS, his friendship, his legacy as a public servant, and his significant contribution to flood protection in Southeast Louisiana will be remembered for many years to come by all who had the privilege of knowing him as a man and working with him as a colleague;

NOW, WHEREFORE,

BE IT HEREBY RESOLVED that the Southeast Louisiana Flood Protection Authority-East does hereby express its deepest appreciation to Gerald A. “Jerry” Spohrer for his distinguished service and outstanding contributions made to the mission of the building of a world-class flood protection system for the protection of the lives and property of the citizens of the Greater New Orleans area.

BE IT FURTHER RESOLVED that the Southeast Louisiana Flood Protection Authority - East celebrates the life of Gerald A. Spohrer as representing the highest tradition of public service, and for his extraordinary record of selfless dedication to

the interests of the citizens of Southeast Louisiana during the most difficult and challenging times in Louisiana flood protection.

BE IT FURTHER RESOLVED that the Southeast Louisiana Flood Protection Authority - East expresses its sincere and heartfelt condolences to the family and loved ones of Gerald A. "Jerry" Spohrer, our beloved friend and colleague.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Doody, Mr. Kemp, Mr. Luettich and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

RESOLUTION NO. 01-17-13-04 – APPROVAL OF LEGAL INVOICES

On the motion of Mr. Wittie,

Seconded by Mr. Estopinal, 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 January 17, 2013", 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 January 17, 2013" are hereby approved.

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

YEAS: Mr. Barnes, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Wittie

NAYS: None

ABSENT: Mr. Barry, Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-05 –
APPROVAL OF TASK ORDER NO. 07 WITH GCR & ASSOCIATES, INC.**

On the motion of Mr. Estopinal,

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

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) entered into an Indefinite Delivery-Indefinite Quantity (ID-IQ) Contract with GCR & Associates, Inc. (GCR) (ID-IQ Contract No. 01-01) to provide services related to Lands, Easements, Rights-of-Way, Relocations and Disposal Sites (LERRDs); and

WHEREAS, GCR was tasked by the SLFPA-E (Task Orders Nos. 05 and 06) to provide services for the Mapping of Levee Rights-of-Way for the SLFPA-E and East Jefferson Levee District; and

WHEREAS, Task Order No. 07 has been negotiated with GCR for Mapping Application Enhancements, Mapping Levee District Land Assets and Mapping of Levee Rights-of-Ways for the SLFPA-E with a not-to-exceed amount of \$64,120.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves Task Order No. 07 with GCR & Associates, Inc., and authorizes the SLFPA-E Regional Director to execute said Task Order and 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. Estopinal, Mr. Kemp, Mr. Luetlich and Mr. Wittie

NAYS: None

ABSENT: Mr. Barry, Mr. Jackson and Mr. Pineda

RESOLUTION NO. 01-17-13-06 – AUCTION OF SURPLUS ITEMS

Mr. Lacour advised that the list of surplus property of each levee district increases each month. Since the auction may not be scheduled for several months, the levee districts have requested authorization to supplement the lists provided to the Board with additional items as they are identified. He recommended that any supplements to the lists be approved by the Regional Director. The Board approved amending the resolution to provide that additional surplus items may be added by the levee districts to their lists as they are identified, subject to the approval of the Regional Director.

On the motion of Mr. Wittie,

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

WHEREAS, the Orleans Levee District intends to sell certain items by auction that have been determined to be surplus; and

WHEREAS, the East Jefferson Levee District and Lake Borgne Levee District wish to use the aforementioned opportunity to sell certain items that have been determined to be surplus by each of the levee districts.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the sale of surplus items by the East Jefferson Levee District (EJLD), Lake Borgne Basin Levee District (LBBLD) and the Orleans Levee District (O.L.D.) by an auction to be held by the Orleans Levee District, subject to the following requirements:

- A notarized affidavit shall be executed by the Executive Director of each of the levee districts listing the items to be sold by auction, an estimated value of each item and certifying that the items listed are surplus.

- The affidavit for the Orleans Levee District shall stipulate that the surplus items to be sold by auction are from the inventory of the Flood Protection Division of the Orleans Levee District.

BE IT FURTHER RESOLVED, that the Orleans Levee District be authorized to sell surplus sheetpile for the highest responsive bid.

BE IT FURTHER RESOLVED, that the levee districts be allowed to supplement the lists of surplus items provided to the Board this date with additional items as they are identified, subject to the approval of the Regional Director.

BE IT FURTHER RESOLVED, that the Executive Directors of the EJLD, LBBLD and O.L.D. are hereby authorized to execute any and all other documents for his/her levee district that may be required 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. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-07 – NEW ORLEANS EAST LAND BRIDGE STUDY
LPV 111 TO CHEF MENTEUR, CHEF MENTEUR TO RIGOLETS**

Mr. Doody reiterated that this is just a resolution to accept the report from Ben C. Gerwick, Inc., and not an endorsement of the plan itself. He hoped that additional work can be done based on the work accomplished.

On the motion of Mr. Wittie,

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

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) is the recipient of a Grant under the State of Louisiana Community Development Block Grant (CDBG) Disaster Recovery Program in the amount of \$900,000 as a part of a Local Governmental Infrastructure Program; and

WHEREAS, the application for CDBG funding included professional services to conduct a study for the Fortification of the New Orleans East Land Bridge (Chef to Rigolets) at a cost of \$229,000; and

WHEREAS, the Board by Resolution No. 11-18-10-06 approved the selection of Ben C. Gerwick, Inc. for the study, and by Resolution No. 12-16-10-04 authorized the execution of a Task Order for said study; and

WHEREAS, the study was completed and publicly presented to the Board at a Public Hearing held within the regularly scheduled monthly Board meeting on December 20, 2012; and

WHEREAS, notice of the Public Hearing to present the findings, conclusions, priorities and preliminary cost estimates for selected projects contained in the study was advertised in the Times Picayune on December 12, 2012; and

WHEREAS, a public notice soliciting written public comments and copy of the New Orleans East Land Bridge Study LPV 111 to Chef Menteur, Chef Menteur to Rigolets, dated December 2012, by Ben C. Gerwick, Inc., were placed on the SLFPA-E's website; and

WHEREAS, public comments have been received and will be taken under consideration.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East accepts the New Orleans East Land Bridge Study LPV 111 to Chef Menteur, Chef Menteur to Rigolets, dated December 2012, by Ben C. Gerwick, Inc. without endorsing or approving any of the specific recommendations therein, subject to further review.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-08 – WAGGONNER & BALL ARCHITECTS
CONTRACT EJLD SAFEHOUSE AND CONSOLIDATED FACILITIES**

Mr. Doody commented that the passage of this resolution is progress in the effort to provide safe housing for EJLD employees and consolidate EJLD activities.

On the motion of Mr. Wittie,

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

WHEREAS, by Resolution No. 04-16-09-08 the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) approved the selection of the firm of Waggonner and Ball Architects and the execution of a contract with said firm for EJLD Project No. 2009-08-01 - East Jefferson Levee District (EJLD) Safehouse and Operations Facilities; and

WHEREAS, the aforementioned project consists of three phases (Phase I – Study Phase, Phase II – Design Phase, and Phase III - Construction); and

WHEREAS, Phase I (Study Phase) of said project has been completed and the recommendations are being implemented for the construction of a safehouse and consolidated facilities for the EJLD; and

WHEREAS, by Resolution No. 10-20-11-07, the SLFPA-E authorized the EJLD Executive Director to proceed with certain actions with respect to the purchase of the land for the project and the construction of the aforementioned facilities, including the negotiation of a contract with Waggonner and Ball Architects for the next phases of the project; and

WHEREAS, a contract has been negotiated for Phases II and III of the project.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the EJLD Executive Director to execute the contract for Phases II and III (Design and Construction) of the EJLD New Safehouse and Consolidated Facilities.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

RESOLUTION NO. 01-17-13-09 – AWARD OF CONTRACT FOR THE SEAWALL AREA EROSION CONTROL PAVING PROJECT – REACH 1B

Mr. Doody requested that a copy of the resolution be forwarded to the Non-Flood Protection Asset Management Authority Board of Commissioners. He commented on the efforts of the Orleans Levee District Flood Protection Division in keeping Lakeshore Drive open and clean of debris. Walter Baudier, President of Design Engineering, Inc., thanked the Board for taking the leadership in constructing the project and on the benefits that the project will provide to the community. The contract construction period is 320 days. It was pointed out that Lakeshore Drive is a main corridor for evacuation and a gateway to the University of New Orleans (UNO) and the UNO Research and Development Park.

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

WHEREAS, the Seawall Structure requires a pile supported concrete cap to prevent erosion from behind the seawall across to Lakeshore Drive; and

WHEREAS, the Seawall Area Erosion Control Paving Project-Reach 1B was advertised and bids were received on January 8, 2013, as follows:

Bidding Contractors	Total Base Bid Price
Shavers-Whittle Construction, LLC	\$6,284,573.50
Fleming Construction Company, LLC	\$6,372,909.00
L&A Contracting Company	\$6,886,464.05
Wallace C. Drennan, Inc.	\$6,997,105.00
Boh Brothers Construction Co., LLC	\$7,895,651.00
Durr Heavy Construction, LLC	\$8,108,041.06

WHEREAS, funds for this project are available from the approved FY 2013 Special Levee Improvement Project Fund Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the award of a contract in the amount of \$6,284,573.50 to Shavers-Whittle Construction, LLC, and the establishment of a budget in the amount of \$7,000,000.00 to include contingencies, for the Seawall Area Erosion Control Paving Project – Reach 1B.

BE IT FURTHER RESOLVED, that the Orleans Levee District Executive Director is hereby authorized to execute a contract in the amount of \$6,284,573.50 with Shavers-Whittle Construction, LLC, and any and all other documents necessary to accomplish the above.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-10 –
O.L.D. SEAWALL AREA EROSION CONTROL PAVING PROJECT – REACH 1B
CONSTRUCTION ADMINISTRATION, TESTING, AND RESIDENT INSPECTION**

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

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) by Resolution No. 12-16-10-07 authorized an agreement to extend the Lakeshore Drive Improvements Professional Agreement for Engineering Services with Design Engineering, Inc. (DEI) dated March 17, 1987 for the Seawall Erosion Area Projects limited to Reaches 1B, 4 and 5; and

WHEREAS, bids were received for the construction of Reach 1B and DEI has proposed to provide construction administration services, including subcontracting electrical, geotechnical, surveying and landscaping, in the amount of \$241,855.80, testing services in the amount of \$81,510.00, and resident inspection services in the amount of \$240,303.75; and

WHEREAS, funds for these services are available from the approved FY 2013 Special Levee Improvement Fund Budget.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority – East authorizes the supplemental agreements with Design Engineering, Inc. in the total amount of \$563,669.55 for the aforementioned additional services.

BE IT FURTHER RESOLVED, that the Orleans Levee District Executive Director is hereby authorized to execute the supplemental agreements and any and all other documents necessary to accomplish the above.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich

and Mr. Wittie
NAYS: None
ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-11 –
SEA GRANT AWARD - AMENDMENT FOR REMOVAL OF BAYOU ST. JOHN
WATERFALL STRUCTURE AT ROBERT E. LEE BOULEVARD**

Gerry Gillen, O.L.D. Executive Director, advised that \$76,000 was received in the initial grant year. An amount of \$18,625 will be received in the second year of the grant. The additional money will fund the U.S. Geological Survey's continued monitoring of the monitoring stations in Bayou St. John.

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

WHEREAS, by Resolution 03-15-12-12 the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) authorized the Orleans Levee District (O.L.D.) to accept a \$76,375 matching grant from the Mississippi/Alabama Sea Grant Consortium (Sea Grant) for the purpose of removing the obsolete waterfall flood control structure located at the intersection of Robert E. Lee Blvd. and Bayou St. John and contracting with USGS to continue operating and maintaining the seven monitoring stations in the Bayou; and

WHEREAS, the O.L.D. was awarded for 2013 an amended amount of \$18,625 from Sea Grant; and

WHEREAS, the Sea Grant requires that an Agreement be executed between the O.L.D. and the University of Southern Mississippi certifying that the funds will be used according to the provisions stated in the application; and

WHEREAS, the Sea Grant requires the grant amount be matched through a cost share agreement with the OLD in the amount of \$18,625, which is budgeted in the FY 2013 SLIP Fund Budget.

BE IT HEREBY RESOLVED, that Gerry Gillen, O.L.D. Executive Director, be authorized to sign an amended Agreement with the University of Southern Mississippi on behalf of the O.L.D. to accept a revised Sea Grant/NOAA award of \$95,000.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-12 – RENEWAL OF
O.L.D. POLICE PROFESSIONAL LIABILITY INSURANCE COVERAGE**

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

WHEREAS, the Orleans Levee District (O.L.D.) Flood Assets Division is now responsible for the procurement of the O.L.D.'s Police Professional Liability Insurance coverage; and

WHEREAS, the O.L.D. Police Professional Liability Insurance policy will expire on February 10, 2013; and

WHEREAS, Indian Harbor Insurance Company offered to renew the current insurance coverage with \$1M per claim limit and a \$2M annual aggregate, with the defense cost outside of policy limits, through Morrison Insurance Agency, at an annual cost of \$30,711.45 with a \$50,000 deductible for a period of one-year, commencing on February 10, 2013 and expiring on February 10, 2014 at 12:01 am.

BE IT RESOLVED, the Southeast Louisiana Flood Protection Authority-East authorizes the renewal of Police Professional Liability Insurance coverage from Indian Harbor Insurance Company through Morrison Insurance Agency with the aforementioned policy limits and conditions at the renewal quote of \$30,711.45 for a period of one year commencing on February 10, 2013.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

**RESOLUTION NO. 01-17-13-13 –
FRANKLIN WAREHOUSE SILOS REMOVAL DESIGN**

Mr. Doody advised that this item was discussed at the Operations Committee meeting. The silos were originally constructed by American Standard (the prior owner of the Franklin Avenue Complex site) to store raw materials for ceramic work. Mr. Gillen explained that the concrete silos will be kept in place; however, the steel structure on top and surrounding the structures will be removed. Services will also be required to deal with environmental aspects (asbestos and lead paint). Several Port of New Orleans clients have expressed an interest in using local silos. He recommended that a Task Order be authorized for Burk-Kleinpeter, Inc. for the required engineering services.

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

WHEREAS, the surrounding and upper steel structure for the Franklin Warehouse Silos are deteriorating and must be removed; and

WHEREAS, the Orleans Levee District negotiated design fees to remove the steel structures with Burk-Kleinpeter, Inc., under the IDIQ contract with Southeast Flood Protection Authority – East.

BE IT HEREBY RESOLVED, that Burk-Kleinpeter, Inc., be granted a Task Order in the amount of \$148,911.00 to prepare plans and specifications and provide construction administration services for the structural steel removal.

BE IT HEREBY RESOLVED, that the Orleans Levee District Executive Director be authorized to sign the Task Order and any and all other documents necessary to carry out the above.

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

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luetlich
and Mr. Wittie

NAYS: None

ABSENT: Mr. Jackson and Mr. Pineda

A motion was offered by Mr. Barry, seconded by Mr. Estopinal and unanimously adopted by a roll call vote, to amend the agenda to receive a brief status update from Bob Jacobsen concerning the Storm Surge Assessment work for the SLFPA-E.

Mr. Jacobsen advised that a continued discussion of the five-part report developed for the SLFPA-E over the past year-and-a-half on the Storm Surge Assessment work was scheduled for today's Coastal Advisory Committee meeting; however, the presentation is being postponed due to time constraints. The report is rapidly coming to a close and recommendations have been developed. The work for the SLFPA-E dovetails with a similar review by the CPRA. The SLFPA-E is attempting to obtain formal feedback and participation on the report from Walter Baumy, USACE Chief of Engineering Division, prior to his impending retirement.

Mr. Jacobsen explained that the Storm Surge Assessment report has been discussed with the Coastal Advisory Committee at length. He commented that with the improvements that have taken place in the practice (hurricane climatology, ADCIRC storm surge modeling work and the joint probability analysis to determine flood hazards) over the past five to six years, that much of the USACE's work to support the system's design and FEMA flood mapping work can best be categorized as outdated. He stated that it is imperative that the Board, Regional Director and technical committee review the recommendations and come to a decision on a course of action with respect to informing the USACE and FEMA about the recommendations. He stated that the issue is not that the USACE's work was deficient at the time it was undertaken. Much of the work was begun in 2005 and 2006 and is now seven years old. The methodologies used have continued to improve. The accreditation and flood mapping processes are using work that is being based on work that is five to seven years old and out-of-date. The decision of the responsible agencies is whether the basis for their decisions is acceptable for moving forward. One of the recommendations is to urge CPRA to begin to tackle the work of updating the practice (including hurricane climatology, modeling, new sea level rise estimates and analyses) on a regular basis and to update the

SLFPA-E on the residual risks inside of the polders. This work needs to be spearheaded by a local agency committed to the issues of risk management and can provide hazard assessments on both the external and internal sides of the protection system. He reiterated that the SLFPA-E has no interest in the processes for accreditation and final flood map presentations or telling FEMA that the work that has been done is unacceptable. The issue is identifying areas where improvements can be made and for the SLFPA-E to move forward in conjunction with the CPRA with their risk management responsibilities.

Mr. Kemp commented that the determination of flood risks is not a static exercise. As time progresses and more storms are added to the database, the return frequency changes. Consideration must be given to future problems that will be faced with augmenting or retrofitting some of the structures. A process should be in place to assure that the SLFPA-E and CPRA are keeping up with the latest information.

Mr. Jacobsen discussed the 500-year risk issue and pointed out that the SLFPA-E essentially has three polders under its jurisdiction with somewhat independent probabilities. He commented on the uncertainties whenever estimates are provided.

Mr. Luetlich noted that the State Master Plan seems to provide a framework on how this issue should be continually addressed. He recommended that a dialog take place between the Board and the State to ensure that there is a common vision of what can be realistically done in the context of all of the other things contained in the Master Plan. Mr. Jacobsen concurred and added that the third of the five draft recommendations is to urge that the Board go on record with the CPRA that the Master Plan process specifically address the revisiting of the analysis for Southeast Louisiana and the polders under the SLFPA-E's jurisdiction. The Master Plan is a programmatic framework for a rigorous reanalysis every five years. He also discussed the development of cooperative efforts with Federal agencies so that the analysis can be done in a way to best benefit everyone.

Ricky Brouliette, representing the CPRA, advised that data and information used to develop the JPMOS models have been received from the USACE and sensitivity studies are being done to evaluate the adequacy of the range of parameters used in the models. The State is commissioning modeling runs on several LSU supercomputers. The CPRA is just beginning to make some progress and produce some results necessary to determine how to proceed with the next phase. Decisions will be required on what things need to be evaluated in the future as the state of the art improves. He expected that the CPRA will continue to be engaged in this effort. The State has committed a significant amount of money for this purpose. He noted that the CPRA has engaged a geoidist to assist with the evaluation of the system. Low flight aerial photography was used for all of the levees in the New Orleans area and surveys were done independent of the USACE in order to compare information.

EXECUTIVE SESSION:

1. Long term legal strategy re: protection system.

A motion was offered by Mr. Barry, seconded by Mr. Estopinal and unanimously adopted, for the Board to convene in Executive Session to discuss the item listed on the agenda. The Board convened in Executive Session at 11:50 a.m.

A motion was offered by Mr. Wittie, seconded by Mr. Estopinal and unanimously adopted, for the Board to reconvene in regular session at 1:42 p.m.

Mr. Kemp reported that the Executive Session did not result in any action to be taken by the Board at this time.

There was no further business; therefore, the meeting was adjourned at 1:44 p.m.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

REGIONAL DIRECTOR'S REPORT

January 17, 2013

HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEM (HSDRRS)

The **IHNC 01 - Seabrook Complex** project is substantially complete and open to navigation.

Three coordinated operational exercises were held with Orleans Levee District (OLD), the last of those on Oct. 16, 2012. The complex will be operated and maintained by the Corps until it is turned over to the Non Federal Sponsor.

The **IHNC 02 - Inner Harbor Navigation Canal Hurricane Storm Surge Barrier** was substantially complete as of Dec. 21, 2012. The final inspection is set for late February; all pre-final punch list resolution meetings are complete.

Commissioning at the GIWW Sector Gate and Surge Barrier Lift Gate (SBL) is complete and open to navigation, but a 22' height restriction is in effect at the SBL.

One of the Real Time Current Velocity Meters is functioning at the GIWW Sector Gate.

Repair work on the interior and exterior of the concrete barge is complete, as well as on the pivot arm and bottom plate. GIWW Barge Gate functional performance tests are complete; a final demonstration scheduled for Jan. 8, 2013, didn't take place because of a sheared pin on the back windlass. However, the barge was raised, sunk and flooded.

All work at the north shore complex is complete, including the bulkhead storage platform, the safe house, electrical work, the north vehicle access ramp, the splash pads, and wave ejectors. Final grading and turf establishment are ongoing.

Paint repairs at the SB Lift Gate and on the bulkheads remain to be completed. All work at the south vehicle access ramp is complete and turf establishment is ongoing.

The debris clean-up work has been completed, and the best re-seeding options at North and South T-Walls is being investigated.

Training is complete for the Bayou Bienvenue Gate, the GIWW Sector Gate, and a portion of the Barge Gate.

EAST JEFFERSON LEVEE DISTRICT

Pump Station Fronting Protection work is about 86% complete and continues at all four pump stations. Demolition of the existing flood wall has begun at Duncan and Bonnabel. Pre-inundation inspections were held at Elmwood and Suburban.

Work on **LPV 017.2 (Causeway Crossing)** is 98% complete. Work continues on the all weather access road, slope paving, scour protection and placement of embankment material. All lanes on Causeway Boulevard are complete, although some road striping remains. Pre-final inspection is scheduled for early February. The final inspection and the NOTICE OF CONSTRUCTION COMPLETE (NCC) letter for this job will be pushed into spring 2013 due to delays in the canopy construction and turf establishment.

The NCC Letter for the **West Return Levee/Floodwall – North** was transmitted by the USACE on Dec. 14, 2012. The issue concerning cracks in the wall monoliths near the north end of the project has not yet been resolved. We are awaiting a written response from the Corps to comments submitted by the Coastal Protection Restoration Authority (CPRA).

The contractor has submitted 95% plans and specifications for **West Return Levee/Floodwall North LSRO (Landside Runoff Collection System)**, and they are under review.

Work is about 99% complete on **Foreshore Protection Reaches 1 and 2.** The contractor is currently replacing clay embankment that was washed out during Hurricane Isaac. This contract will be modified to include the damage done by Isaac to the “re-curve” area of the LPV 3.2B project. Repair of the failure area on Reach 1 is complete. Turf will not be established until the spring of 2013. The red zone meeting was held on Dec. 11, 2012.

Work is approximately 99% complete on **Foreshore Protection Reaches 3 and 4.** The contractor has completed placement of the clay embankment that was washed out due to Hurricane Isaac and relocation of the rock dike on Reach 4. The red zone meeting was held on Dec. 4, 2012. Turf will not be established until spring 2013.

ORLEANS LEVEE DISTRICT

The construction contract for **LPV 104.02b (Franklin to Seabrook Seepage Cut-off)** will be awarded in January 2013.

Construction of **LPV 105.02 (Lakefront Airport T-Wall East)** is 99% complete. The pre-final inspection was held Aug. 22, 2012. Horizontal joint sealant in slope pavement needs to be redone in several places. A punch list resolution meeting was held on Dec. 19, 2012. A final inspection is scheduled for Jan. 21, 2013, pending weather problems.

Construction of **LPV 106 (Citrus Lakefront Levee)** is substantially complete. Concrete slope pavement cracks on the flood side still must be repaired; resolution is pending. The Corps is still investigating continuous cracking of the slope pavement on the flood side of the levee along the railroad tracks. Operation and maintenance safety concerns related to the cracking still need to be addressed.

Final inspections were held on July 26 and Aug. 2, 2012. An informal walk-thru inspection was held on Dec. 17, 2012. Armoring may still be required on the protected

side of the levee (under review by USACE). The placement of mow strips adjacent to the crown slab and roadway is being investigated in response to subsidence and wash out adjacent to the crown slab.

Construction is substantially complete on the **LPV 109.02a (South Point to CSX Railroad – Levee Embankment)**, and the final inspection was held July 25, 2012.

Highway 11 floodgate monoliths are settling and now leaning away from the floodgate. URS is investigating the movement and has submitted their report to USACE for review. Additional movement of the slope pavement and by-pass road is occurring and will continue to be monitored. The by-pass road slump was repaired; a permanent fix is being developed. New borings and CTPs are scheduled to be taken near the floodgate.

The 15-foot vegetative clear zone waiver request is in review, along with a stability analysis for required berms.

Slope pavement near LPV-110 keeps moving and the joints are opening up. URS is investigating.

Of the 23 monitoring (instrumentation) test sections, seven will be kept in place for the state to monitor. New readings were taken earlier this month.

A report from URS confirming the increased shear strengths resulting from the wick system is pending. Increased strengths are expected to confirm the necessary factors of safety for stability, as required by the HSDRRS. Subsidence of Reach 2 (I-10 to Hwy. 11) is being investigated by URS. If a second lift is necessary before 2015, it would be done by the USACE "hired labor" forces.

Debris removal from Hurricane Isaac along the toe of levee berms is being done under a separate debris contract. All debris has been removed from the project site.

Construction of **LPV 109.02b (I-10 Crossing)** is substantially complete. Subsidence on the shoulders of I-10 is being investigated. Further survey work is required. The NCC is being prepared by USACE, pending the subsidence review and resolution.

Construction of **LPV 111.01 (North Side GIWW)** is substantially complete.

The 15-foot vegetative clear zone waiver request is in review, similar to LPV-109.02a. Final inspection was held on June 6, 2012. Small areas of turf still need to be addressed. The NCC is being prepared. The top elevation of the T-wall is 0.2' lower than shown on the plans in several places; the H&H and Geotechnical departments at USACE are investigating the deficient wall height to determine if further action is required.

Debris deposited on the flood side by Hurricane Isaac has been removed from the berms and windrowed near the edge of the right-of-way limits.

Construction of **LPV 113 (NASA)** is substantially complete; inspections are complete and the NCC is being prepared.

Turf still needs to be established on **OFC-03 (London Ave. Canal)**. Final inspections will be scheduled to check turf establishment, and the NCC is planned for July 18, 2013.

The work on **OFC-04A (Orleans Canal)** is substantially complete and the punch list resolution meeting held on Sept. 28, 2011. Rill problems have been corrected and re-establishment of turf is ongoing. The NCC is planned for July 12, 2013.

OFC-05 (17th Street Canal) is complete. Re-establishment of turf is ongoing. The final inspection (both sides) was held on Nov. 1, 2012. The NCC is planned for Feb. 22, 2013.

The work on **LPV192.02b (Buttress Slab)** is nearly complete. Final inspection has been delayed pending turf establishment. Some minor slope re-grading is still required. The NCC is planned for July 2013.

USACE Memphis hired labor force constructed **LPV192.02 (Berm Phase III)**, and the work is substantially complete. Turf establishment issues remain. Hydro seeding is ongoing. Final inspection was scheduled for Sept. 7, 2012, pending turf establishment, but needs to be rescheduled due to weather. The NCC is planned for May 2013.

LPV 101.02 (17th St. Canal to Topaz Street) is complete and the NCC issued. However, the asphalt parking lot buckled during Hurricane Isaac; a fix to add new drains will be constructed by the USACE "hired labor forces" as a mod.

Construction of **LPV 110 (CSX Railroad Crossing)** is complete, and the NCC was issued. The slope pavement is being inspected for further movement.

Construction of **LPV 192.03 (Relief Wells)** is substantially complete, and the NCC was issued. Some slope re-grading is ongoing with Corps forces.

LAKE BORGNE BASIN LEVEE DISTRICT

LPV 144 (Bayou Dupre Control Structure) is about 99% complete. The two pintle ball assemblies do not meet specifications and will be replaced using a new greaseless bushing system. This will be done during a second dewatering in May of 2013. Meanwhile, the gate has been re-assembled and is currently operational.

Construction of the jib crane pad will be done as part of the access road modifications.

The Corps is revising a section of its Project Description Document to approve removal of the existing gates in the old Bayou Dupre Structure.

LPV 145 (Bayou Bienvenue to Bayou Dupre) construction is substantially complete.

The USACE has installed instrumentation to collect data to support the “pile bending moment” analysis. The work is being coordinated with CPRA. A draft report on findings is being circulated at this time.

The bridge design by Arcadis is scheduled to be complete in February of 2013. Bid solicitations for construction should be out in the spring 2013. The 65% design review is underway. A project delivery team (PDT) team has been established for this project.

The scope of work for the access road is being modified.

Construction of **LPV 146 (Bayou Dupre to Verret)** is substantially complete. The emergency bypass road has developed settlement cracking, which will be addressed in the spring of 2013. The final inspection was held on Aug. 23, 2011. As-built plans and the O&M Manual are under review by USACE.

The scope of work for the access road is being modified.

Construction of **LPV 147 (LA Hwy 46 Flood Gate)** is substantially complete. The final inspection was held Aug. 5, 2011. As-built drawings and O&M manuals have been prepared.

Construction of **LPV 148.02 (Verret to Caernarvon)** is substantially complete. Final inspection was held on June 11, 2012, and all punch list items were completed. USACE has started the NCC process.

The Access Road Project is in 95% design review and work should be started in the spring of 2013.

The work on **LPV 149 (Caernarvon Floodwall – Lake Borgne Basin Levee District)** is about 99% complete. The pre-final inspection was held Oct. 21, 2011. The USACE held a punch list resolution meeting Jan. 3, 2012. The final inspection for this project was held Friday Aug. 17, 2012.

The USACE will modify the project tie-in to the Mississippi River levee. Several alternatives are being evaluated.

Debris deposited on the flood side by Hurricane Isaac has been removed from the berms and windrowed near the edge of the right-of-way limits on projects **LPV-145 through 149.**

Armoring:

Construction of the LPV armoring pilot project got underway in December 2012 in St. Charles Parish (Reach 2B), but rainy weather is slowing progress. There have been adjustments required in the field to address issues that include anchors problems, the

troublesome overlap of High Performance Turf Reinforced Mat (HPTRM) and the apparent inability of the sod industry to meet USACE soils spec requirements for sod. Ultimately, that is what the test program is all about: testing the material and installation to determine the best way to specify, install, repair, replace, operate and otherwise maintain HPTRM armoring on the HSDRRS.

It is important that we have first-hand information to evaluate as this months-long pilot progresses. Toward that end, SLFPAE staff is currently establishing an eyes-on system for monitoring the test sections.

In the longer-term, milestone dates for system-wide armoring continue to move as USACE works to resolve questions/issues raised by the Non-Federal Sponsor and the Risk Management Center, which is USACE's center of expertise for water management. The SLFPAE staff has requested a copy of the center's comments and the Corps' responses, and we hope to have those in hand soon.

The current USACE schedule shows the Project Decision Document (PDD) on the armoring project should be ready for review by USACE Mississippi Valley Division (MVD) on Jan. 30, 2013. Until the PDD is issued, the New Orleans District cannot issue any construction contracts beyond the pilot project phase.

The Corps is working on armoring P&S on two projects in EJLD and five projects in OLD. They plan to solicit bids in the Aug. /Oct. 2013 and complete the work in late 2014.

Permanent Pump Stations

The Corps awarded the design-build contract for the permanent pump stations on Sept. 28, 2012, to PCCP Constructors for \$629,500,000.00. The PCCP Constructors joint venture is comprised of Kiewit Louisiana Co., Traylor Bros., Inc., and the M. R. Pittman Group, LLC. A protest was filed by at least one of the unsuccessful proposers shortly after the award was announced. After evaluating the merits of the protest, the Corps has decided to issue a limited RFP. The revised project schedule indicates that the RFP will be issued on Jan. 25, 2013. Proposals will be received on Feb. 15, 2013, evaluated by the Corps in February and March, followed by a contract award in late March or early April.

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 2012 Status Map can be found at the following web address:

http://www.mvn.usace.army.mil/hps2/pdf/Status_Map_June_2012_reduced.pdf

FEMA National Flood Insurance Program Levee System Accreditation

The Corps still estimates completion of the HSDRRS Levee System Evaluation Report (LSER) in the spring of 2012. The LSER will fulfill FEMA “certification” requirements for HSDRRS levee system accreditation.

The OLD and LBBLD will have to “certify” the non-federal levee systems in the Lower Ninth Ward/St. Bernard and New Orleans East areas. The authority signed a Provisionally Accredited Levee (PAL) agreement with FEMA for the non-federal levee systems in the summer of 2012. The agreement requires SLFPAE to submit a certification report to FEMA before the end of the summer of 2014.

Tetra-Tech, Inc. has been selected to provide the engineering services required for the certification effort, and a scope of work along with a professional services contract is being finalized. SLFPAE staff is investigating grant programs that might be suitable for funding the certification work.

Coastal Protection and Restoration

The next Coastal Protection and Restoration Authority meeting will be held on Jan. 22, 2013, in Lake Charles.

The LBBLD Violet Freshwater Diversion is not operating due to low river stage.

Flood Fight

The Mississippi River is near El. 5’ at the Carrollton Gage and is predicted to drop during the next 30 days to near El. 2.5’.

Design and Construction

East Jefferson Levee District:

The contract with Waggoner & Ball (W&B) for design of the **EJLD Safe House and Consolidated Facility** project is on the agenda for the Board’s consideration. We met Jan. 15, 2013, with the architect and the Corps to discuss constraints for construction since the project abuts the Mississippi River levee. The title work should be completed in February. The applications for the alienation of streets and property are on hold until the title work has been completed. The geotechnical evaluation is on hold until the architect is under contract.

Orleans Levee District:

The new **Franklin Avenue Safe House Facility** was substantially completed on Aug. 21, 2012; punch list items are being corrected. The **Franklin Avenue Warehouse Silo Steel Structure Removal** Task Order for design is on the agenda for the Board's consideration. The **Franklin Administration Building Refurbishment Project** contract has been executed. The Notice to Proceed was issued for Jan. 14, 2013.

Construction work for the **Bayou St. John Waterfall Removal Project** is 20%. The **Bayou St. John Dredge Project** contract is awaiting signatures.

The **Maxent/Paris Road Levee Clear and Grub Project** contractor has begun.

The **Bayou Bienvenue Maintenance Cycle Project** contract is 5% complete.

The **Outfall Canal Bank Stabilization Monitoring Project** is 70% complete.

Florida Avenue Sheet Pile Rehabilitation Project is complete.

The **Lakefront Seawall Reach 1B Erosion Control Project** is on the agenda for the Board's consideration.

The **Lakefront Seawall/Reach 4 & 5 Erosion Control Project Design** is 60% complete.

Lake Borgne Basin Levee District

The Corps' engineering consultant has begun the design work required for the **Seepage Repairs Project at Pump Stations #2 and #3**.

The permit request for the new **Bayou Bienvenue Swing Bridge** has been submitted to the US Coast Guard. The construction contract award is scheduled for May, 2013. Construction should take approximately 13 months.

A meeting was held on December 19, 2012, to discuss various alternatives for the **LPV 149 Transition to the MRL Project**. All parties have agreed on a preferred alternative and the associated cost and schedule implications are being evaluated.

Our consultant will complete the draft plans, specifications and bid documents for the **PS #6 Pump Inspection and Repair Project** and the **Pipe Hangar Repair/Replacement Project** by Jan. 31, 2013; and the **PS # 6 Erosion Repair Project on Feb 18, 2013**. These projects are funded through a FEMA Public Assistance Grant.

Eight engineering consultants submitted qualification statements to St. Bernard Parish Government on Jan. 15, 2013 for the **Lake Borgne Basin Levee District Safe Room**

Project. A recommendation for the selection of a consultant will be made to St. Bernard Parish Government on Jan. 25, 2013.

The **Engine Upgrades at PS #'s 1 and 4 – Phase 1 Project** description and data was submitted to FEMA this week in hopes of obtaining approval for a Hazard Mitigation Grant.

The design work required for the **Removal of Floodgate # 9 Project** should be complete by the end of February, 2013.

LBBLD is working with USACE, St. Bernard Parish Government and the State to develop and execute a **community outreach program** that will inform the public about shared responsibilities in flood risk reduction. This work will be funded through a FEMA Hazard Mitigation Grant.

Internal Affairs

We continue to have three inspectors working with us provided by CPRA, and we are getting additional technical assistance from CPRA staff, LDOTD staff, and consultants Atkins North America and Vali Cooper International through an ID/IQ contract with CPRA. One inspector is now primarily focused on the completion of the IHNC Surge Barrier project. The state is considering what inspection services will be needed on the permanent pump stations project and will make a decision in the near future.

Halcrow Inc. has completed review of 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 USACE consultants. The maximum stick-up/minimum embedment issues identified by Halcrow are still being investigated by the USACE. The SWE Report was reissued as the "Mean Operating Water Level" (MOWL) Report with the text rewritten. Halcrow has completed the review of the final version of the MOWL Report for the London Ave. Canal and 17th St. Canal. Final review has been completed for the Orleans Canal. This work is being conducted under Halcrow's original scope of work. The New Orleans District is having each canal's report reviewed in detail by other corps districts. The USACE ETL 1110-2-575 (6/14/2011) regarding Evaluation of I-Walls has been released by the Corps and Halcrow is reviewing the document to determine potential impacts to previously completed work. We met with the corps on Sept. 21, 2012, to discuss additional remediation work required by the corps on the three outfall canals. Additional remediation reports were done by the corps, and we are reviewing the draft reports along with Halcrow. According to the corps, it should address the remaining canal issues found by Halcrow on all three canals. An extension to Halcrow contract was approved by the SLFPAE Board. A follow-up meeting on remediation was held on Nov. 8, 2012. Halcrow has prepared a letter report on their findings for London Canal confirming what remediation is planned with additional recommendations on two other Reaches. All of their comments have been entered into

Dr. Checks. Halcrow is preparing a second letter report for their findings on the 17th Street Canal.

The “Hurricane Risk & Safety Module for the New Orleans Levee System” demonstration project is complete. The transfer and location of the website for the next year is being considered.

SLFPA-E staff is working closely with CPRA staff to develop an automated, on-line permitting process for levee districts. Billy Wall is the project manager. A beta version was demonstrated on Sept. 24, 2012, in Baton Rouge for the new “online permit software”. It may be a year before it is fully operational.

On Aug. 6, 2012, SLFPA-E and West, CPRA and Corps personnel met to discuss floodgate information for use in the “Emergency Operations System” floodgate module. SLFPA-E and levee district staffs have updated floodgate information contained in the new program. The system was used successfully during the recent Hurricane Isaac event.

Revisions to the program have been proposed by SLFPA-E and are in review by the State.

Two internal working groups are dealing with new operation and maintenance (O&M) requirements for the HSDRRS. One group focuses on general O&M and the other group focuses on the specialized O&M requirements for the surge barrier and navigation gates. The board selected a consultant on Sept. 20, 2012, to assist the latter group, and the consultant contract has been signed. Background information from the Corps is being obtained for the Consultants use.

The Coast Guard monthly RNA Assessment tours have been discontinued until April/May 2013.

Safety:

SLFPAE 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 meeting process.

New Contracts:

Hurricane Preparedness:

The SLFPA-E after Action Review has been completed, items identified for improvement have been listed, and a plan is being developed to evaluate and incorporate all feasible suggested changes.

The 2013 Hurricane Season will start on June 1, 2013.