

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST
BOARD MEETING
THURSDAY, FEBRUARY 21, 2013**

The regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority - East (Authority or SLFPA-E) was held on Thursday, February 21, 2013, in the Orleans Levee District Franklin Administrative Complex, 6920 Franklin Avenue, Meeting Room 221, New Orleans, 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 9:40 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. (left meeting at 2:10 p.m.)
G. Paul Kemp
Richard A. Luettich, Jr.
Ricardo S. Pineda

ABSENT:

Thomas L. Jackson

OPENING COMMENTS:

Mr. Doody recognized Randy Maddox with the Morrison Insurance Agency. Mr. Maddox presented a check from Louisiana Workers Compensation Corporation (LWCC) to the Orleans Levee District (O.L.D.) in the amount of \$86,642 for a premium return based on the excellent loss experience for the period July, 2008, through July, 2011. The O.L.D. participated in a Retrospective Rating Program during this period and received a total refund of \$173,000. He noted that the O.L.D.'s risk management, training and safety programs resulted in a lack of losses and the premium refund.

Mr. Doody reported that the U.S. Army Corps of Engineers (USACE) held a series of meetings on the permanent pumps for the outfall canals. The USACE determined a path forward for issuing a limited Request for Proposals and ultimately selecting a contractor for the project. The USACE has done a good job in attempting to take care of any problems in advance of the contract award in order to avoid any future protests.

Mr. Doody advised that he attended the Non-flood Protection Asset Management Authority Board Meeting held on January 24th, during which the Board expressed its appreciation for the action taken by the SLFPA-E in connection with the Seawall Area Erosion Control Paving Project. The approval of the Louisiana Attorney General was

sought in order to assure that it was within the SLFPA-E's authority to include the appropriate amenities in the project for an area that is extensively used by the public. The Non-flood Protection Asset Management Authority offered its assistance to the SLFPA-E in the future.

Mr. Doody reported that SLFPA-E and Coastal Protection and Restoration Authority (CPRA) representatives met on Monday to discuss the progress of the Levee System Evaluation Report (LSER) process. The USACE will report on the status of this process later in the meeting. There is a small window of time to certify the levee system for FEMA purposes. He noted that the SLFPA-E retained Bob Jacobsen, PE, for consulting work on the hydraulics of the system. The SLFPA-E is sharing as much information with the USACE and State as possible so that a system is in place and certified before the FEMA deadline.

Mr. Pineda pointed out that the Biggert-Waters Flood Insurance Reform Act of 2012 will begin fading out National Flood Insurance Program (NIFP) insurance subsidies for properties over a five-year period beginning in 2013. Insurance rates for properties located in a 100-year flood plain will potentially increase over the five-year period. Therefore, with the passage of this Act the issue of levee certification has become even more important so that the public can purchase flood insurance at affordable rates. Mr. Doody added that it is not only important for the system to be certified, but that the system remains compliant in order to avoid the risk of decertification.

Mr. Doody noted that he attended a recent Town Hall meeting in St. Bernard Parish and that Mr. Kemp attended a CPRA meeting held last night on the annual State Master Plan.

ADOPTION OF AGENDA:

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

**RESOLUTION NO. 02-21-13-01 –
APPROVAL OF JANUARY 17, 2013 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 January 17, 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, Mr. Pineda
and Mr. Wittie
NAYS: None

ABSENT: Mr. Jackson

PUBLIC HEARING:

Mr. Doody opened the public hearing portion of the meeting. The purpose of the public hearing is to present to the public findings, conclusions, priorities and preliminary cost estimates from the recently completed studies prepared by AECOM, Inc. (AECOM), estimating future Operation & Maintenance (O&M) costs for the Lake Borgne Basin, Orleans and East Jefferson Levee Districts, including the increased costs resulting from improvements to the federal Hurricane & Storm Damage Risk Reduction System (HSDRRS). AECOM was retained by the SLFPA-E under an Indefinite Delivery-Indefinite Quantity (ID-IQ) contract to perform the O&M cost studies, which were funded through a Community Development Block Grant.

Gerald Preau, AECOM Project Manager, advised that the purpose of the study was to provide an estimate of the future O&M costs for the East Jefferson Levee District (EJLD), Lake Borgne Basin Levee District (LBBLD), and Orleans Levee District (O.L.D.), including the increase in O&M costs resulting from levee improvements constructed by the USACE under the HSDRRS Program. The studies used 2011 dollars. AECOM did not attempt to address inflation. Sections of the report detail the study limitations and elements not included in the study. The studies considered Pre-HSDRRS and Post-HSDRRS costs. The Pre-HSDRRS costs are what the Levee District would pay in 2011 dollars to maintain the levee system that existed before the HSDRRS projects began. The Pre-HSDRRS costs are essentially Pre-Katrina costs brought forward to 2011. The Post-HSDRRS costs are what the Levee Districts will pay, in 2011 dollars, to maintain the levee system once all HSDRRS projects are completed and turned over to the local levee districts for operation and maintenance.

Mr. Preau reviewed AECOM's approach for the studies. An inventory was developed of the existing facilities through the review of drawings, site visits and staff interviews. Maintenance Cost Budgets were developed for each levee district for the Pre-HSDRRS (Pre-Katrina) system. New facilities and O&M requirements for improvements designed by the USACE were reviewed. Most of the HSDRRS was under construction at the time of the study. Maintenance Cost Budgets were developed for the Post-HSDRRS system and the findings were reported.

Mr. Preau explained that in order to develop costs estimates AECOM developed a list of O&M activities required of each levee district and a unit cost for each activity. The unit costs and inventory quantities were used to develop O&M budgets for Pre-HSDRRS System. The O&M unit costs were verified by comparing them to Pre-Katrina O&M budgets expressed in 2011 Dollars. AECOM evaluated five years of Pre-Katrina O&M financial reports (2001 thru 2005) from Legislative Auditor's Reports. Trend lines and future worth calculations were used to adjust 2001-2005 budgets to 2011 dollars.

Mr. Preau discussed some of the difficulties encountered. Since the O.L.D.'s Flood and Non-Flood Assets were not divided prior to Hurricane Katrina, it was difficult to

distinguish between Flood and Non-Flood Asset O&M costs in the audited financial reports. Therefore, there is no historical data for the O.L.D. in the study. AECOM was unable to develop best practices for the three levee districts because of the very different responsibilities and funding level of each district.

Mr. Preau reviewed the Pre-HSDRRS conditions and Post-HSDRRS improvements for each levee district, along with the estimated O&M costs:

East Jefferson Levee District: Pre-HSDRRS the EJLD was basically surrounded by levees. Post-HSDRRS improvements include the replacement of the West Return Wall, raising the Lakefront Levee, installation of new floodgates and new frontal protection. The study estimated the total Pre-HSDRRS O&M costs as \$6,826,892 and Post-HSDRRS O&M costs as \$7,724,999. Therefore, the increase in cost is \$898,107. Cost estimates for each of the EJLD's activities were reviewed. A contingency of five percent Pre-HSDRRS and 10 percent Post-HSDRRS was included to provide for uncertainties and variations. Major contributors to the increase in costs included the contingency, the foreshore protection and the maintenance of new floodgates.

Lake Borgne Basin Levee District: Pre-HSDRRS the LBBLD maintained levees, the Bayou Dupre Control Structure, drainage canals and pump stations. Post-HSDRRS improvements include a section of the IHNC Surge Barrier, the floodwall atop the hurricane protection levee, the new larger Bayou Dupre Control Structure and the Caernarvon Floodgate. The study estimated the total Pre-HSDRRS O&M costs as \$4,371,090 and Post-HSDRRS O&M costs as \$5,556,133. Therefore, there is an increase in costs of \$1,185,043. Cost estimates for each of the LBBLD's activities were reviewed. Mowing costs will decrease as a result of the construction of a bridge that will improve access to the area between Bayou Bienvenue and Bayou Dupre. A contingency of 10 percent Pre-HSDRRS and 20 percent Post-HSDRRS was included. Floodgate maintenance increased significantly due to the larger Bayou Dupre Control Structure and new Caernarvon Floodgate. The LBBLD has a very small administrative staff; therefore, administrative costs were prorated to match the increase in maintenance costs. The repair of potential T-wall problems due to differential movement was determined to be beyond the scope of the study and therefore not included.

Orleans Levee District: Pre-HSDRRS the O.L.D. maintained levees, floodwalls, floodgates, the Bayou Bienvenue Control Structure and the Bayou St. John Control Structure. Post-HSDRRS improvements including levee raisings around the system, the IHNC Surge Barrier with the Sector Gate and Barge Gate, the new Bayou Bienvenue Flood Control Structure, in addition to the old Bayou Bienvenue Flood Control Structure, the new Seabrook Complex and the outfall canal closure structures. The new closure structures and pumps at the foot of the outfall canals will not eliminate the need for the levees/floodwalls along the canals. The study estimated the total Pre-HSDRRS O&M costs as \$13,312,059 and Post-HSDRRS O&M costs as \$17,413,304. Therefore, there is an increase in costs of \$4,101,245.

Cost estimates for each of the O.L.D.'s activities were reviewed. A contingency of 10 percent Pre-HSDRRS and 20 percent Post-HSDRRS was included. Major contributors to the increase in costs were the contingency, the marine gates, foreshore protection and increased levee acreage.

Mr. Barry inquired about the difference between the USACE's estimates and AECOM's estimates for the O&M of the IHNC Surge Barrier Gates. Mr. Preau explained that AECOM reviewed the USACE's estimates line-by-line and accepted the estimates that it determined were reasonable. Mr. Turner noted that the studies were conducted over the course of several years and that the estimates were developed while the gates were under design and construction. The SLFPA-E has retained GEC, Inc., for a study to determine staffing needs to effectively operate the marine gates in accordance with the draft criteria for the USACE Water Control Manuals and rough draft O&M Manuals. The numbers will fluctuate until the final O&M Manuals and Water Control Manuals are received, along with the report from GEC. Mr. Doody pointed out that the USACE's estimates were for the O&M of the perimeter system and included both old and new costs. A rough number of \$14 million was used for the O&M of the perimeter system with half of that expense being contributable to new costs. He explained that the SLFPA-E is requesting that Congress authorize the USACE to operate and maintain the IHNC Surge Barrier Gates and provide the funding to do so. Therefore, the USACE should provide its estimate to Washington to fund this O&M effort.

Mr. Doody requested that the AECOM study be included on the Operations Committee agenda so that the Committee can further discuss the details of the report.

Mr. Doody asked for questions or comments from the public. There were no questions or comments from the public. The public hearing portion of the meeting was closed.

PRESENTATIONS:

1. HSDRRS System Certification – U.S. Army Corps of Engineers

Brian J. Gannon, P.E., Chief, Geospatial Engineering USACE, New Orleans District, provided a presentation on the HSDRRS National Flood Insurance Levee System Evaluation Report (NLSER) for FEMA Accreditation. Mr. Gannon is the principal coordinator for putting together the NLSER for the HSDRRS. Mr. Gannon reviewed the key milestones for the NLSER. At this time the report is basically assembled and going through the review process. A formal Agency Technical Review (ATR) is required by the USACE and is currently on-going. A copy of the report has been provided to the State and FEMA for review. The USACE is working to address all comments received.

Mr. Gannon explained that the HSDRRS perimeter consists of the Lake Pontchartrain and Vicinity (LPV) alignment, the West Bank and Vicinity (WBV) alignment and the Mississippi River Levee (MRL). A key map was viewed showing all of the components of the system. The MRL one percent elevations consider both river and hurricane conditions. The LPV and WBV alignments only consider hurricane conditions.

Currently, river conditions govern above MRL river mile (RM) 77.3 and hurricane surge conditions govern below MRL RM 77.3 on the HSDRRS East Bank. However, due to subsidence and sea level rise, governing surge conditions are expected to move up river during the project life (2057). The NLSE will expire ten years from signature and may be revoked should the system no longer meet the NFIP requirements. The report will stipulate O&M and emergency response requirements.

Mr. Doody pointed out that there are several issues on the HSDRRS that remain outstanding.

Mr. Gannon explained that the USACE's objective is to complete the review and have a finalized report in place. The USACE will then advance ongoing HSDRRS construction contracts to the one percent level. The USACE anticipates that all projects will reach the one percent level in May. The USACE will then be in a position to sign the report and submit it to FEMA. The USACE must finalize all of the design and construction documentation, which will be packaged and provided to the State with the report. The USACE must also finalize and adopt the O&M and Water Control Plan documentation. Projects still in construction, but have reached the one percent level, will remain under the jurisdiction of the USACE until the Notice of Construction Completion (NCC) is issued. The USACE is working to obtain current Emergency Response Plans. A plan must also be put in place for removing unwanted vegetation within the levee section on the MRL. The USACE anticipates that the ATR and the State and FEMA reviews will be completed in March and that comments can be addressed during the March-April timeframe. When construction is completed in May, 2013, the USACE hopes to be in a position to sign the report and submit it to FEMA in order to request the formal accreditation of the system and recommendation to map the HSDRRS as an accredited system in the Flood Insurance Rate Maps.

Mr. Doody advised that the SLFPA-E engaged Bob Jacobsen, P.E., to provide advice on the hydraulics of the system. He asked that everyone be engaged in order to work through the process and have all questions answered.

2. Mission and activities of the Natural Hazards Mitigation Association (NHMA).

Alessandra Jerolleman, MPA, CFM, Natural Hazards Mitigation Association (NHMA) Executive Director, provided a presentation on the mission and activities of the NHMA. The NHMA was founded in Louisiana in 2008 and its board includes many individuals who are actively working in Louisiana. Its offices have recently relocated to Metairie, LA. NHMA is a (501C3) non-profit professional association for individuals who work in hazard mitigation. The association was founded out of the realization that there were many efforts going on nationally, and a tremendous need to look at increasing resiliency, reducing disaster losses and incorporating hazard mitigation. However, these efforts were not necessarily well connected to each other. She discussed the connection of professionals through associations. NHMA was formed to provide a venue for interaction and to bring together the various individuals and organizations working in the field of hazard mitigation.

Ms. Jerolleman provided examples of various elements of hazard mitigation required for resilient and sustainable communities that are discussed by NHMA: Land Use and Zoning, Building Codes, Home Elevation, Education and Outreach, Hardening of Structures, Open Space Preservation, Coastal Protection, Planning, Safe Rooms, Levees, Detention / Retention and Insurance.

Ms. Jerolleman discussed various NHMA activities:

- Education and outreach
- Resource and information sharing
- Peer-to-peer learning and networking
- Foster collaboration among a diverse group
- Presentations and workshops on hazard mitigation
- Participation in national policy discussions

Ms. Jerolleman explained that NHMA is an all volunteer organization and has many dedicated volunteers. The association has several active committees looking at particular subject matter areas. NHMA conducts monthly webinars, hosts an annual symposium in partnership with the University of Colorado Hazard Workshop, participates in local conferences and workshops, and provides support and information for the grassroots.

Ms. Jerolleman discussed some of the basic principles promoted by the NHMA, which include:

- Think broadly
 - Collaborative models around shared goals and values
 - Beyond FEMA funded programs
 - Work across stove pipes
- Holistic solutions
 - Involve the whole community
 - Structural and non-structural hazard mitigation
- Stop making things worse
 - Current building and development practices
- Plan for the future
 - Demographics
 - Future conditions (sea level rise, climate change)

Ms. Jerolleman noted that NHMA discusses higher standards as a way to protect lives, communities and property. She discussed the importance of building community partnerships and planning mechanisms.

Ms. Jerolleman provided information on the Resilient Neighbors Network. The Network was launched in May, 2012, and is a partnership with ten pilot communities varying in type and size. The NHMA looked for communities that were successful in their resiliency building efforts and worked with the ten pilot communities to design the Network.

Mr. Estopinal urged that the SLFPA-E become a member of the NHMA and volunteered to become a liaison for the SLFPA-E to the Association.

PUBLIC COMMENTS:

Roy Arrigo referred to the USACE presentation earlier in the meeting and commented that the levees are being certified despite not being in compliance with the toe plus 15-ft. vegetation policy. He stated that the USACE did not request the change made by the State from the toe plus 6-ft. to the toe plus 15-ft. He added that the USACE has certified levees using the toe plus 6-ft. vegetation policy, that there is no risk of decertification with the toe plus 6-ft. vegetation policy, and that the USACE's policy states that it will work within the existing real estate interests. He commented on the upcoming filing of a local bill in the Louisiana Legislature that would match the SLFPA-E's variance request.

Mr. Doody pointed out that only the USACE can speak to what it will or will not certify or decertify in the future. There will be a national study by the USACE on vegetation issues.

COMMITTEE REPORTS:

Finance Committee: Mr. Estopinal reported that the Finance Committee met on February 7th and received the draft EJLD, LBBLD, O.L.D. and SLFPA-E Fiscal Year 2014 Budgets. Presentations on the budgets will be provided at the next Committee meeting.

Operations Committee: Mr. Wittie reported that the Operations Committee met on February 7th. The Committee discussed the O.L.D.'s request to issue task orders to URS Corporation for the Franklin Avenue Parking Lot Improvements Project and to Atkins North America, Inc. for the Floodwall and Floodgate Repairs Project. The Committee recommended that the Board approve the task orders.

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

CPRA/Governmental Affairs: Mr. Barry advised that he, Mr. Doody and Mr. Turner will travel to Washington, DC, for the Mississippi Valley Flood Control Association Annual Spring Meeting on March 18-20. He noted that there will be a serious effort to pass a Water Resources Development Act (WRDA) bill this year. The SLFPA-E is hoping to have some of its concerns taken care of legislatively.

Mr. Barry reported that the CPRA Board received a presentation at its meeting yesterday on the State's Annual Plan. He pointed out that the Plan includes \$12 million to \$14 million of budget items for adaptive management. He stressed the importance of

adaptive management—learning from mistakes and changing practices. He added that another important effort is the institution of a program that allows individuals to submit ideas to the CPRA for evaluation by The Water Institute of the Gulf (TWIG).

Craig Berthold commented on the filing of a local bill in the Louisiana Legislature that would affect the three outfall canals in the New Orleans area. He requested that the toe plus 15-ft. vegetation policy issue be resolved at the State level and asked for the SLFPA-E's support.

Mr. Doody commented that the request to the USACE for a variance on the outfall canals was made by the SLFPA-E. He pointed out that a variance is different from a change in law. The USACE has not yet finished its work; therefore, it is not yet known what work may be necessary to ensure that the floodwalls are stable. He stated that he was concerned that there may be a potential for decertification in the future. He commented that he would think that if the legislation could potentially be harmful to the protection afforded to the entire area, the Board would err on the side of caution.

Mr. Barry reported that the CPRA Board also received presentations on a portable self-contained dredge and on a barge gate constructed entirely with local and State money on the Houma Navigation Canal. He explained that the USACE spent \$73 million studying the barge gate and other issues without turning a shovel of dirt. The local and State governments got tired of waiting and built the gate for \$50 million. The gate is considered a key component to protection by blocking surge from going up the Houma Navigation Canal. One of the issues in the WRDA bill is USACE reform. The construction of the barge gate is a great model to take to Washington on allowing local entities to take the lead on projects.

Mr. Luetlich pointed out the importance of recognizing the need for adaptive management for the sustainability and long term viability of coastal protection. He urged that the SLFPA-E adopt adaptive management as part of its tools and procedures.

Mr. Pineda inquired about how the State will be looking at building codes. Mr. Barry responded that the CPRA Non-structural Committee met for the first time last month and is trying to get a handle on the issue. He expressed his disappointment in the lack of attention to building codes and inadequate attention to elevating housing since Hurricane Katrina.

Coastal Advisory Committee: Mr. Kemp reported that a brief Coastal Advisory Committee meeting was held after the January 17th Board meeting. The Committee discussed the development of comments for the SLFPA-E on the request for a permit to close Mardi Gras Pass through the construction of a roadway with culverts. The State has arranged for a public hearing on the permit request. He also advised that the revised HSDRRS Environmental Impact Statement (EIS) has recently been issued and that there may be an opportunity for the SLFPA-E to provide input during the comment period. He reported that a well attended meeting was held at UNO last night. The initial

part of the meeting dealt with the State's Annual Plan, which is remarkably more robust in terms of spending than the previous annual plans. There was discussion during the comment period on the need for more emphasis on non-structural measures. A presentation was also provided at the meeting on the funding from the penalty assessed on the Deepwater Horizon oil spill. The funding will allow the State to move forward with the engineering and design on many of the projects that had previously been stalled. Several members of the Gulf Coast Eco-restoration System Council, which was set up by the RESTORE Act and will administer the funding from the BP/Transocean settlements, attended last night's meeting. Mr. Kemp advised that at the meeting he encouraged quick movement on projects such as Mississippi River diversions. The Committee will meet at 2:30 p.m. today and will receive a presentation from Bob Jacobsen.

REGIONAL DIRECTOR'S REPORT:

The Regional Director's Report (copy appended to minutes) was distributed. Robert Turner, SLFPA-E Regional Director, commented on the following issues:

- IHNC Surge Barrier and Seabrook Complex – The USACE held a public meeting on February 19th concerning the Water Control Plan during an emergency event. The USACE is continuing its development of the preliminary Water Control Manual for the structures. The Water Control Manual will change over time as experience is gained. The USACE is scheduled to issue the NCC on the structures on April 30th and the SLFPA-E is preparing for their turnover. The SLFPA-E retained GEC, Inc. to assist in the formulation of a plan for the O&M of the structures.
- IHNC Surge Barrier Barge Gate – Additional training will be provided on the Barge Gate. The USACE Operations Group advised that the gate will be exercised on a regular basis over the next several months in order to ensure that it operates properly.
- LPV 111 (North Side GIWW) – A small slide developed on the protected side of the levee after a heavy rain event. The USACE has not yet completed the LPV 111 Project. Preliminary indications are that this is a surface slide and that there is no major structural damage to the levee; however, the investigation is continuing. USACE, SLFPA-E and CPRA representatives have visited the site and are looking into the cause of the problem and the proper fix. The SLFPA-E's geotechnical consultant is also looking into this situation. Additional survey work will be done.

EXECUTIVE SESSION:

1. Cooperative Endeavor Agreement between the East Jefferson Levee District and the Parish of Jefferson for the relocation and construction of a small portion of the Mississippi River Flood Protection Levee at the southern end of Powerline Drive to accommodate the Southeast Louisiana Urban Flood Control Project (SELA-07), also known as the Harahan Pump to the River Stormwater Drainage Project.
2. Discussion of future litigation strategy.

A motion was offered by Mr. Kemp, seconded by Mr. Barnes 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 p.m.

A motion was offered by Mr. Wittie, seconded by Mr. Estopinal and unanimously adopted, for the Board to reconvene in regular session at 2:10 p.m.

RESOLUTION NO. 02-21-13-02 – LEGAL ACTION

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 (SLFPA-E) authorizes the SLFPA-E President to engage legal counsel regarding damage to the land area under the SLFPA-E jurisdiction and its cause for the benefit of and on behalf of the residents within its jurisdiction.

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

RESOLUTION NO. 02-21-13-03 – RECOGNIZING WALTER O. BAUMY, JR.

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

Walter O. Baomy, Jr., P.E., Chief of Engineering Division, U.S. Army Corps of Engineers, New Orleans District upon his retirement from Federal Service

WHEREAS, Walter O. Baomy, P.E., Chief of Engineering Division, U.S. Army Corps of Engineers will retire from Federal Service on February 28, 2013, after completing 38 years of outstanding service to the U.S. Army Corps of Engineers; and

WHEREAS, Mr. Baomy began his esteemed career at the U.S. Army Corps of Engineers while in college and has made many lasting contributions to his field of engineering, bringing great credit upon himself and the engineering profession; and

WHEREAS, Mr. Baomy served in positions of responsibility as Chief of General Engineering Branch, Chief of General and Environmental Design Section, Supervisory Civil Engineer, Supervisory Structural Engineer, Senior Structural Engineer and formerly Chief of Civil Branch; and

WHEREAS, Mr. Baomy as Chief of Engineering Division was the principal advisor to the District Commander with a broad range of responsibilities that included the management, construction and assessment of flood risk reduction systems and environmental restoration; and

WHEREAS, Mr. Baummy's effective leadership and management was the driving force in the assembly of the Levee System Evaluation Report (LSER) for the \$14.7 billion Hurricane and Storm Damage Risk Reduction System (HSDRRS); the successful completion of multiple engineering reports; and his ability to build long lasting relationships with levee districts and authorities within Louisiana is a testament to Mr. Baummy as a person and as a professional; and

WHEREAS, Mr. Baummy provided excellent leadership and service to the Corps as a founding member of the District's Leadership and Development Program, American Society of Civil Engineers, where he established a UNO chapter, and to the Society of American Military Engineers as a member of the board of directors; and

WHEREAS, Mr. Baummy has earned the admiration and respect of his superiors, subordinates and colleagues at the New Orleans District for his dedication, collegiality, enthusiasm, professionalism, sense of humor and hard work;

NOW, THEREFORE, BE RESOLVED that the Board of Commissioners of the Southeast Louisiana Flood Protection Authority-East takes great pleasure in recognizing the significant professional achievements of Walter O. Baummy Jr., P.E., and expresses its sincere gratitude for the invaluable contributions he has made to Flood Protection in the Greater New Orleans Area, and to the SLFPA-E and the State of Louisiana.

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

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

NAYS: None

ABSENT: Mr. Barnes and Mr. Jackson

RESOLUTION NO. 02-21-13-04 – APPROVAL OF LEGAL INVOICES

On the motion of Mr. Barry,

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 February 21, 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 February 21, 2013" are hereby approved.

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

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

NAYS: None

ABSENT: Mr. Barnes and Mr. Jackson

RESOLUTION NO. 02-21-13-05 – APPROVE MAXIMUM LIMITS FOR PREVIOUSLY EXECUTED ID-IQ CONTRACTS

Robert Lacour, SLFPA-E General Counsel, explained that a newly passed State law requires that if a contract is amended and exceeds the contract amount, the contract and the amendment must be recorded. The Indefinite Delivery-Indefinite Quantity contracts previously approved by the Board did not include a maximum contract amount. Therefore, the SLFPA-E is now placing a dollar ceiling or cap on each of the previously approved contracts.

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

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) and the levee districts under its jurisdiction have a need for qualified professional consulting services on an indefinite delivery-indefinite quantity (ID-IQ) basis; and

WHEREAS, the SLFPA-E solicited Requests for Qualifications for professional services and conducted competitive selection processes for the selection of contractors for the purpose of entering into ID-IQ contracts; and

WHEREAS, all work under ID-IQ contracts is authorized through the issuance of task orders that provide the scope of work and maximum fees for each project; and

WHEREAS, in addition to SLFPA-E and levee district projects, the contracted services can be utilized for projects funded under various grants; and

WHEREAS, there is a need to identify a maximum contract limit for the aforementioned previously executed on-going ID-IQ contracts and amend the contracts to include said limits; and

WHEREAS, the identification of a maximum contract limit is for the sole purpose of setting a dollar ceiling for all task orders under a contract and is not a guarantee of any work; and

WHEREAS, all requirements relative to the issuance of task orders, including the requirement for Board approval for task orders over \$50,000, shall remain in full force and effect; and

WHEREAS, the following maximum contract limits have been identified for the corresponding ID-IQ contracts:

Contract:	Professional Service:	Firm:	Maximum Contract Limit:
01-01	LERRDs	GEC & Associates	\$500,000
02-01	Coastal Engineering	Halcrow, Inc,	\$650,000
02-03	Coastal Engineering	Taylor Eng./ Bob Jacobsen, PE, LLC	\$500,000

04-02	Hydraulic Engineering	Burk-Kleinpeter, Inc.	\$720,000
07-01	Surveying	BFM Corporation	\$250,000
07-02	Surveying	Linfield, Hunter & Junius	\$250,000
07-03	Surveying	C. H. Fenstermaker	\$250,000
07-04	Surveying	Dading, Marques & Assoc.	\$250,000
08-01	Hydraulic Engineering	Atkins North America	\$1,000,000
08-02	Hydraulic Engineering	Burk-Kleinpeter, Inc.	\$1,000,000
08-03	Hydraulic Engineering	URS Corp.	\$1,000,000
09-01	Coastal Engineering	Bob Jacobsen, PE, LLC	\$750,000
09-02	Coastal Engineering	CH2M Hill Engineers	\$750,000
09-03	Coastal Engineering	Evans-Graves Engineers	\$750,000
09-04	Coastal Engineering	Moffatt & Nichol	\$750,000
10-01	Geotechnical Engineering	Eustis Engineering	\$500,000
10-02	Geotechnical Engineering	Fugro Consultants	\$500,000
10-03	Geotechnical Engineering	Ardaman & Associates	\$500,000
11-01	O&M Start Up	GEC, Inc.	\$500,000

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the aforementioned maximum contract limits for the corresponding ID-IQ contracts and authorizes the SLFPA-E Regional Director to execute any and all documents necessary to accomplish the above.

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

RESOLUTION NO. 02-21-13-06 – HARAHAAN PUMP TO THE RIVER PROJECT

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

WHEREAS, the Parish of Jefferson (Parish) wishes to construct the Southeast Louisiana Urban Flood Control Project (SELA-07), also known as the Harahan Pump to the River Stormwater Drainage Project (Project); and

WHEREAS, a small portion of the Mississippi River Flood Protection Levee at the southern end of Powerline Drive must be relocated and reconstructed approximately fifty (50') feet closer to the River in order to accommodate the stormwater drainage project design; and

WHEREAS, the Parish shall be solely responsible for the complete funding of the Project and the levee relocation and construction; and

WHEREAS, upon completion the Parish shall be responsible for the operation and maintenance of the Project, and the East Jefferson Levee District (EJLD) shall resume responsibility for the operation, maintenance and periodic inspection of the relocated levee; and

WHEREAS, the Parish will submit all appropriate plans and specifications to the EJLD for approval prior to construction and will submit a set of “as built” plans and specifications upon completion of the Project; and

WHEREAS, a Cooperative Endeavor Agreement is required between the Parish and EJLD for the relocation and construction of the levee.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves a Cooperative Endeavor Agreement between the Parish of Jefferson and the East Jefferson Levee District for the Southeast Louisiana Urban Flood Control Project (SELA-07), and authorizes the EJLD Executive Director to sign said agreement 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. Estopinal, Mr. Kemp, Mr. Luettich, Mr. Pineda and Mr. Wittie

NAYS: None

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

**RESOLUTION NO. 02-21-13-07 –
FRANKLIN AVENUE FACILITY PARKING LOT IMPROVEMENTS DESIGN**

Gerry Gillen, O.L.D. Executive Director, advised that the construction of the parking lot improvements will not commence until after the silo project at the Franklin Avenue Facility is completed. Mr. Pineda pointed out that the ID-IQ contracts for hydraulic engineering also includes general civil engineering.

On the motion of Mr. Wittie,

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

WHEREAS, the parking lot and other roadways for the Franklin Avenue Facility is deteriorating and must be renovated; and

WHEREAS, the Orleans Levee District (O.L.D.) negotiated design fees to prepare plans and specifications and provide construction administration for the parking lot improvements with The URS Corporation under the ID-IQ contract with the Southeast Louisiana Flood Protection Authority–East.

BE IT HEREBY RESOLVED, that The URS Corporation be granted a Task Order in the amount of \$98,345.00 to prepare plans and specifications and provide construction administration for the parking lot improvements.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director be authorized to sign the aforementioned 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. Estopinal, Mr. Kemp, Mr. Luettich, Mr. Pineda and Mr. Wittie

NAYS: None

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

**RESOLUTION NO. 02-21-13-08 –
FLOODGATE AND FLOODWALL REPAIR DESIGN**

Mr. Gillen advised that the project includes the replacement of seals on 69 floodgates, sill work on several floodgates, and patching major concrete spalls (damage due to lightening strikes) on some of the floodwalls.

On the motion of Mr. Wittie,

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

WHEREAS, there are many Orleans Levee District (O.L.D.) floodgates and floodwalls requiring repair and replacement of deteriorated items; and

WHEREAS, the Orleans Levee District negotiated design fees to prepare plans and specifications and provide construction administration and inspection for the Floodgate and Floodwall Repairs with Atkins North America, Inc. under the ID-IQ contract with the Southeast Louisiana Flood Protection Authority – East.

BE IT HEREBY RESOLVED, that Atkins North America, Inc. be granted a Task Order in the amount of \$161,638.32 to prepare plans and specifications and provide construction administration and inspection for the Floodgate and Floodwall Repairs.

BE IT FURTHER RESOLVED, that the O.L.D. Executive Director be authorized to sign the aforementioned 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. Estopinal, Mr. Kemp, Mr. Luettich, Mr. Pineda and Mr. Wittie

NAYS: None

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

**RESOLUTION NO. 02-21-13-09 – HAZARD MITIGATION GRANT PROGRAM
FUNDING – LBBLD ENGINE UPGRADES AT PUMP STATIONS NOS. 1 & 4**

Nick Cali, LBBLD Executive Director, explained that the LBBLD is participating in a St. Bernard Parish Hazard Mitigation Grant Program (HMPG) grant and will receive funding for three projects. The kick-off meeting was held yesterday on the first project, which is the construction of safe rooms for the LBBLD. The firm of Linfield, Hunter and Junius was selected for the design of the safe rooms. The second project is for the

replacement of engines at Pump Stations Nos. 1 and 4. The resolution before the Board deals with the design portion (Phase I) of the engine replacement project. The completed design work will be submitted to FEMA. Once FEMA determines that the design meets HMPG guidelines, the remainder of the money will be encumbered for the purchase and installation of the engines. The LBBLD anticipates receiving total HMGP funding in the amount of \$2.4 million for the safe rooms (\$1.9 for construction and \$500,000 for design) and \$5.6 million for the pump station engine upgrades.

Mr. Cali reported that, at the request of Senator Vitter, the USACE will be taking over the seepage repairs at Pump Stations Nos. 2 and 3. The LBBLD is working with the USACE on the design of the fix. The LBBLD will be reimbursed for monies it previously expended on the design of the repair.

Mr. Doody pointed out that the Congressional language that authorized the construction of the HSDRRS included funding for safe houses for pumping stations in Orleans and Jefferson Parishes. No funding was included in the legislation for pump stations in St. Bernard Parish. The SLFPA-E has worked hard to obtain funding for safe housing for LBBLD employees. Mr. Cali added that the three safe rooms are anticipated to be completed prior to the 2014 hurricane season. A telemetry system was designed about a year ago for the remote operation of some of the pump stations. As much of the work as possible will be done to value engineer the incorporation of the telemetry system in the safe rooms under the HMPG. Another funding source may be required to complete the telemetry work. The long term goal of the LBBLD is to have a fully electronic monitoring and data collection system. The short term goal is to monitor and operate the pumps remotely as necessary during a storm event. He pointed out that the engines at the pump stations must be modern enough to accept the electronic system.

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

WHEREAS, the St. Bernard Parish Government (Parish) requested and received a grant for Federal assistance under the Hazard Mitigation Grant Program (HMGP) for mitigation against natural hazards and invited interested participants to voluntarily participate in the program; and

WHEREAS, the Lake Borgne Basin Levee District (LBBLD) / Southeast Louisiana Flood Protection Authority-East (SLFPA-E) prepared and submitted an eligible HMGP application through the Parish to the Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) for funding for Engine Upgrades at Pump Stations Nos. 1 and 4 in St. Bernard Parish; and

WHEREAS, the aforementioned application was approved by FEMA and GOHSEP and the Parish's HMGP Grant has been amended to include HMGP Project No. 1603x-087-0009 Phase I (FEMA 1603-DR-LA, Project #0415) - \$582,900 for costs associated with Phase I H&H Study and Design activities for Engine Upgrades at Pump Stations Nos. 1 and 4 in St. Bernard Parish; and

WHEREAS, a Cooperative Endeavor Agreement is required between the Parish and the LBBLD/SLFPA-E for the aforementioned project for the utilization and administration of the HMGP grant funds.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East authorizes the LBBLD Executive Director to execute a Cooperative Endeavor Agreement for the aforementioned HMGP project.

BE IT FURTHER RESOLVED, that the LBBLD Executive Director is authorized to execute 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. Estopinal, Mr. Kemp, Mr. Luettich, Mr. Pineda and Mr. Wittie

NAYS: None

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

**RESOLUTION NO. 02-21-13-10 –
SERVICE AGREEMENT WITH WELCH RESOURCES, INC.**

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

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) wishes to renew the agreement with Welch Resources, Inc., for governmental relations services for a period commencing on February 21, 2013 and ending on December 31, 2013; and

WHEREAS, the SLFPA-E shall pay Welch Resources, Inc. a monthly professional fee of \$5,000 per month.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the renewal of the Service Agreement with Welch Resources, Inc. for a period commencing February 21, 2012 and ending on December 31, 2013.

BE IT FURTHER RESOLVED, that the SLFPA-E President is authorized to sign the aforementioned Service Agreement 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. Barry, Mr. Estopinal, Mr. Kemp, Mr. Luettich, Mr. Pineda
and Mr. Wittie

NAYS: None

ABSENT: Mr. Barnes and Mr. Jackson

The next regular monthly Board meeting will be held on March 21, 2013, and hosted by the LBBLD.

There was no further discussion; therefore, the meeting was adjourned at 2:28 p.m.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

REGIONAL DIRECTOR'S REPORT

February 21, 2013

HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEM (HSDRRS)

The **IHNC 01- Seabrook Complex** project is substantially complete and open to navigation. Minor punch list items still need to be confirmed as to being addressed and corrected.

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** project is substantially complete as of Dec. 21, 2012. Final inspection has been rescheduled to late March. Several dozen punch items remain to be completed, as well as about a dozen recently added work items.

Real Time Current Velocity (RTCV) Meters are functioning at the GIWW Sector and Seabrook Sector Gate.

GIWW Barge Gate functional performance tests are complete and a final demonstration and training session will be scheduled for later this month.

Final grading and turf establishment at the north shore complex is being completed.

Paint repairs at the Bayou Bienvenue (BB) Vertical Lift Gate and on the GIWW Sector Gate bulkheads remain to be completed.

Navigation/under water hazards signage is being designed for placement around the wall in as many as 20 locations.

Training is complete for the Surge Barrier Lift Gate, the GIWW Sector Gate.

EAST JEFFERSON LEVEE DISTRICT

Pump Station Fronting Protection work is approximately 87% complete and should be finished in September of 2013. Critical path is currently basin concrete and setting gates at Bonnabel and Duncan pump stations. The majority of the work at Elmwood and Suburban pump stations is complete. The contractor still has to complete the seepage modification at both Elmwood and Suburban pump stations between the floodwall and pump station.

Work on **LPV 017.2 (Causeway Crossing)** is approximately 98% complete. The contractor is finishing up work on the all weather access road, under bridge fencing, and joint sealant repairs. They also have to finish placing material and grading in the median

between the bridges. Pre-Final Inspection was conducted Feb. 20, 2013. The final inspection and the Notice of Construction Complete (NCC), will be pushed into the spring of 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 Corps has provided a written response to our concerns about the seeping cracks in the stem of the T-Wall monoliths at the north end of the project. We are reviewing the Corps' response with CPRA.

The **West Return Levee/Floodwall North LSRO (Landside Runoff Collection System)** project was awarded to Healthcon with a duration of 240 calendar days once notice to proceed is issued. .

Work is about 99% complete on **Foreshore Protection Reaches 1 and 2.** The contractor has almost finished replacing clay embankment 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. Turf will not be established until the spring of 2013

Work is approximately 99% complete on **Foreshore Protection Reaches 3 and 4.** Turf will not be established until spring 2013.

ORLEANS LEVEE DISTRICT

The construction contract for **LPV 104.02b (Franklin to Seabrook Seepage Cut-off)** has been awarded to Philway Construction and is to be complete by June, 1, 2013.

Construction of **LPV 105.02 (Lakefront Airport T-Wall East)** is substantially complete. Horizontal joint sealant in slope pavement needs to be redone in several places. A final inspection was held on Feb. 14, 2013. A follow up punch list is being developed.

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.

The Corps has not yet determined if armoring will be required on the protected side of the levee. 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. Mow strips were constructed on the adjacent LPV-105.02 project.

Construction is substantially complete on the **LPV 109.02a (South Point to CSX Railroad – Levee Embankment.**

Highway 11 floodgate monoliths are settling and now leaning away from the floodgate. URS is investigating the movement and has submitted its 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. One new boring and two CTPs have been completed near the floodgate and a report containing the data and test results will be issued within 30 days.

The Corps is investigating the need for additional right-of-way for a 15' vegetative clear zone on the protected side of Reach 1 only.

Slope pavement near LPV-110 keeps moving and the joints are opening up. The Corps will reseal with asphalt.

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 and are being reviewed to see which monitors are no longer working.

A report from URS confirming the increased shear strengths resulting from the wick system is pending. Increased strengths 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. A second lift is necessary before 2015 (to elevation 19.5) and will be done by the USACE "hired labor" forces prior to June 1, 2013.

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. 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. The gap between the floodwall at PS#15 and the rip-rap slurry foreshore protection is reopening and is being investigated.

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. 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 NCC is planned for Feb. 22, 2013.

The work on **LPV192.02b (Buttress Slab)** is almost 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 has not yet been scheduled. The NCC is planned for May 2013.

Construction of **LPV 110 (CSX Railroad Crossing)** is substantially 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 will be replaced using a new greaseless bushing system 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. The USACE is adding more instrumentation.

The **(LPV145A)** bridge design by Arcadis is scheduled to be complete in February of 2013. Bid solicitations for construction should be out in the June 2013. The 65% design review is underway.

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. As-built plans and the O&M Manual are under review by USACE.

Instrumentation has been added to this project to study bending moment.

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

Construction of **LPV 147 (LA Hwy 46 Flood Gate)** is substantially complete and the NCC was issued on February 8, 2013. As-built drawings have been provided, but we are awaiting Volume 3 of the O&M Manual..

Construction of **LPV 148.02 (Verret to Caernarvon)** is substantially complete.

The Corps will add instrumentation to this project to study bending moment.

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

The work on the initial phase of **LPV 149 (Caernarvon Floodwall – Lake Borgne Basin Levee District)** is about 99% complete.

The USACE will modify the project tie-in to the Mississippi River levee. Final plans and specifications are scheduled for May 2013 with contract for construction to be awarded in July 2013. The work should be complete in February 2014.

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 anchor problems, the 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.

Most recently, some of the sod being laid does not meet specs and will be cut out and replaced when the better grade of sod arrives on site.

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

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 current USACE schedule shows the Project Decision Document (PDD) on the armoring project should be approved by USACE Mississippi Valley Division (MVD) in April. Until the PDD is issued, the New Orleans District cannot issue any construction contracts beyond the pilot project phase.

System-wide, the Corps already is working on armoring plans and specs for two projects in the East Jefferson Levee District and five in the Orleans Levee District.

Under the current schedule, bids for system-wide armoring cannot be solicited before the August-to-October 2013 timeframe and completed 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 early April. Selected staff underwent "Source Selection Training" on Feb. 19, 2013.

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 SLFP AE 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 meeting was held on Feb. 18, 2013 to finalize the task order authorization. SLFP AE staff is investigating grant programs that might be suitable for funding the certification work.

Coastal Protection and Restoration

The Coastal Protection and Restoration Authority meeting was held on Feb. 20, 2013, in Baton Rouge. The next meeting will be held on Mar. 20, 2013, in St. Tammany Parish.

The LBBLD Violet Freshwater Diversion is operating.

Flood Fight

The Mississippi River is near El. 10' at the Carrollton Gage and is predicted to drop during the next 4 weeks to near El. 6'.

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 has been signed. We met on February 13, 2013, with Waggoner & Ball and their engineering sub-contractor, Schrenk, Endom & Flanagan, to discuss implications of the Corps' constraints regarding building our facility near the levee, as well as provisions that will need to be made for existing utilities. Waggoner & Ball is working on a programmatic layout on the property to give to the Corps for their concurrence detailing items such as the location and depth of the excavations that would be required. The geotechnical evaluation is on hold until the architect is under contract.

The applications for the alienation of streets and property are on hold until the title work has been completed in late February 2013. EJLD is in communication with the City of Kenner's Planning & Zoning Department lining up the documents required for alienation of the streets.

Orleans Levee District:

The new **Franklin Avenue Safe House Facility** was substantially completed on Aug. 21, 2012; A/C condensation problem is being investigated.

The **Franklin Avenue Warehouse Silo Steel Structure Removal** Task Order is signed. .

The **Franklin Administration Building Refurbishment Project** contractor is 10% complete.

The **Bayou St. John Waterfall Removal Project** is 40% complete.

The **Bayou St. John Dredge Project** contract is signed and Notice to Proceed is pending.

The **Maxent/Paris Road Levee Clear and Grub Project** contract is 45% complete.

The **Bayou Bienvenue Maintenance Cycle Project** contract is 15% complete.

The **Outfall Canal Bank Stabilization Monitoring Project** is 75% complete.

The Florida Avenue Sheet Pile Rehabilitation Project is complete.

The **Lakefront Seawall Reach 1B Erosion Control Project** contract is signed and Notice to Proceed is pending.

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 designer is on-site taking soil borings and surveys. Plans and specs will be completed by July 2013, and construction contract award is scheduled for September 2013. Construction should be complete by June 2014.

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 Dec. 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 has completed the draft plans, specifications and bid documents for the **PS #6 Pump Inspection and Repair Project** and the **Pipe Hangar Repair/Replacement Project**; the **PS # 6 Erosion Repair Project** is due 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 was made to St. Bernard Parish Government on Jan. 25, 2013; successful bidder was sent an award letter on Feb. 5, 2013.

The **Engine Upgrades at PS #'s 1 and 4 – Phase 1 Project** have been approved by FEMA Region 6; scope of work being prepared and plan is to advertise RFQ in the next 45 days.

The design work required for the **Removal of Floodgate # 9 Project** is complete and plan to solicit bids by mid-March.

The 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 both the 17th Street and London outfall canals, confirming what remediation is planned with additional recommendations on two other reaches. All of their comments have been entered into Dr. Checks. The Corps is finalizing their report for the low water, long-term cases on both canals.

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". A more recent meeting was held at SLFPAW on Jan. 25, 2013, to discuss the systems status. 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:

Agreement for Professional Services with **VCI, LLC** dated January 24, 2012, for a **not-to-exceed value of \$40,000** – scope of work includes staff support for crediting package assembly, Flood Control Works Inspection Program for SLFPA-E, O&M Manuals and Water Control Plan review technical support.

Siemens Industry, Inc. – Advantage Service Agreement for HVAC System; network and preventative maintenance; data protection/recovery; updates and upgrades to system – **\$9,038** – Orleans Levee District

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.

Atkins has submitted a proposal to revise and provide consistency for the SLFPAE and three Levee Districts EOP manuals, it is currently in review.