



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
October 15, 2014 7:30 am**

Metro-East Park and Recreation District Office  
104 United Drive, Collinsville, Illinois 62234

1. Call to Order  
*John Conrad, President*
2. Approval of Minutes of September 17, 2014
3. Public Comment on Pending Agenda Items
4. Program Status Report  
*Chuck Etwert, Chief Supervisor*
5. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
6. Design and Construction Update  
*Jay Martin, AMEC Environment & Infrastructure*
7. Fiscal Agent Services  
*Chuck Etwert, Chief Supervisor*
8. Change Orders BP #6 & BP #2B  
*AMEC Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
9. In-Kind Credits Memorandum of Understanding (MOU)  
*Chuck Etwert, Chief Supervisor*
10. Update from Corps of Engineers  
*Michael Feldmann, U.S. Army Corps of Engineers*

**AGENDA**

11. Public Comment

Executive Session (if necessary)

12. Real Estate Transactions

*Chuck Etwert, Chief Supervisor*

13. Other Business

14. Adjournment

**Next Meeting: November 19, 2014**

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING

September 17, 2014

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday September 17, 2014.

#### Members in Attendance

John Conrad, President (Chair, Monroe County Flood Prevention District)  
James Pennekamp, Vice President (Chair, Madison County Flood Prevention District)  
Dan Maher, Secretary/Treasurer (Chair, St. Clair County Flood Prevention District)  
Paul Bergkoetter, St. Clair County Flood Prevention District  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
Bruce Brinkman, Monroe County Flood Prevention District

#### Members Absent

Tom Long, Madison County Flood Prevention District  
Ron Motil, Madison County Flood Prevention District  
Ronald Polka, Monroe County Flood Prevention District

#### Others in Attendance

Alan Dunstan, Madison County Board Chair  
Mark Kern, St. Clair County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
Rich Conner, Levee Issues Alliance  
Tim Eagleton, FM Global  
Hal Graef, U.S. Army Corps of Engineers  
Pam Hobbs, Geotechnology  
Ryan Hodges, Duke Realty  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Phil Johnson, Phil Johnson Realtor  
Ronald S. Kaempfe, IUOE Local 520  
Don Kelling, Kraft Foods  
Tracey Kelsey, U.S. Army Corps of Engineers  
Tim Kerr, U.S. Army Corps of Engineers  
Steve Kochan, Wood River Levee & Drainage District  
Jay Martin, AMEC Environment & Infrastructure  
Bob Massa, Juneau Associates  
Rick Mauch, SCI Engineering  
Frank Miles, Madison County Community Development  
Jack Norman, Southern Illinois Groundwater Advisory Council

Jon Omvig, AMEC Environment & Infrastructure  
Robert Shipley, Metro-East Sanitary District  
Brennen Soval, Husch Blackwell LLP  
Dale Stewart, Southwestern Illinois Building Trades Council  
Deanne Strauser, U.S. Army Corps of Engineers  
Mike Towerman, Tristar  
Dennis Wilmsmeyer, America's Central Port

### **Call to order**

President John Conrad noted the presence of a quorum and called the meeting to order at 7:30 am.

### **Approval of minutes of August 20, 2014**

A motion was made by Jim Pennekamp, seconded by Paul Bergkoetter, to approve the minutes of the Board meeting held on August 20, 2014. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – absent  
Mr. Pennekamp – Aye

The motion was approved.

### **Public Comment on Pending Agenda Items**

Mr. Conrad asked if there were any comments from the public on any agenda item on today's agenda. There were none.

### **Program Status Report**

Mr. Conrad asked Mr. Etwert to provide a status report for the project.

Mr. Etwert indicated that work continues on the acquisition of easements needed to complete the projects that have been awarded. We are now down to 6 owners involving 14 parcels on the BP #3, 7A, and 7B construction projects. The easements involve 2 individuals, 1 railroad, 2 corporations and 1 governmental unit. As previously mention it is imperative that we reach agreements with these property owners as soon as possible before our contractors start requesting change orders due to delay of site access. There will be an executive session at the end of the meeting to discuss one or two situations.

Approximately 32% of the \$39 million of construction involved in our six current construction bid packages had been completed thru August 31<sup>th</sup>. Bid Packages 7A and 7B should start construction this month.

Construction improved in August with almost 1.5 million dollars' worth of construction being completed. It will be a very busy fall for our contractors.

Final approval of the Sec. 408 review of BP #7A and BP #7B was received on August 25, 2014.

AMEC has finalized the large change order for Type D and T Relief Wells in Bid Package #6 that was discussed in July. This change order is on today's agenda. This large change order, which puts the total of all change orders over the ten percent cost threshold, will require all future change orders on BP #6 to be approved by the Board.

Since there were questions raised at last month's board meeting regarding the difference between the 100-year level of flood protection and the 500-year (authorized) level of flood protection, Tracey Kelsey, Corps of Engineers, will make a short presentation on the improvements needed to raise the level of protection.

A decision by the Corps on the PLA issue is still scheduled before the end of this month.

In addition, David Human has arranged for Ryan Hodges, Development Services Manager for Duke Realty Corporation and Duke Construction, Inc., Michael Towerman, President of TriStar Properties, and Tim Eagleton from FM Global representing the insurance industry to make short presentations on the 500-year (authorized) level of flood protection and how it relates to the development and growth of an areas.

Mr. Etwert stated that the FPD with AMEC and Husch Blackwell would be working with the levee districts to determine the operation and maintenance costs of the improvements being built and potential sources of funding.

Mr. Etwert also indicated that the Board was provided a paper copy of AMEC's Monthly Progress Report for September.

A motion was made by Mr. Pennekamp, seconded by Mr. Bergkoetter, to accept the Program Status Report for September 2014. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent

Mr. Parks – absent  
Mr. Pennekamp – Aye

The motion was approved unanimously.

### **Budget Update and Approval of Disbursements**

Mr. Conrad asked Mr. Etwert to provide a report.

Mr. Etwert noted that financial statement for August 2014 prepared by our fiscal agent, CliftonLarsonAllen was included in the materials sent for the meeting. The report included an accounting of revenues and expenditures for the month ending August 31, 2014, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2013 are \$33,610,464 while revenues amounted to \$11,022,068 resulting in a deficit of \$22,588,396. A total of approximately \$20,448,361 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for June 2014 (the latest month reported by the Illinois Department of Revenue) were up by 5.17% from the previous year. In general, receipts are up 2.62% from last year and continue to run between 2011 and 2012 levels.

The report includes bank transactions for August 2014. Total disbursements for the month were \$1,845,200.03. The largest payments were to the Lane Construction for BP #6, Korte & Luitjohan Contractors for BPs #2A & #2B, Ameren Illinois for line relocation, Roxana Landfill Inc. for wetland mitigation, and AMEC.

Mr. Etwert recommended that the Board accept the budget report and disbursements for August 2014.

A motion was made by Mr. Bergkoetter, seconded by Mr. Brinkman, to accept the budget report and approve the disbursements for August 2014. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – absent  
Mr. Pennekamp – Aye

The motion was approved unanimously.

## **Design and Construction Update**

Mr. Conrad called on Jay Martin, AMEC's program manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. His presentation, including a few site photos, focused on the status of each bid package as follows:

### **Construction Status**

#### **BP #2A – Fish Lake Pump Station**

- Contractor completing punch list items.
- Change Orders: Extension of existing gravity drain for farm access and time extension due to high river. The gravity drain extension will be processing after ponding water evaporates.

#### **BP #2B – WR/MESD/PDP Pump Stations**

- Site 10 The Contractor has installed the force main
- Site 16 The Contractor is setting pumps, performing electrical work
- Site 5 The force main installation and earthwork operations are being performed.
- Site 12 Evaluating options for upgrading existing piping system.
- Site 15 Pumps have been set. Startup/testing to occur once Ameren has completed terminations to new transformer

### **Bid Package Update**

#### **BP #03 – WR Seepage Improvements**

- Land acquisition still impacting the start of work; scheduled completion date missed.
- The contractor has begun some clearing operations and drilling relief well pilot holes that are not impacted by land acquisition.

#### **BP # 04 – MESD Seepage Improvements (Conoco Phillips)**

- Pump station construction has started (valve vault & outfall structures). The deep intake structure will be completed this month (weather dependent)
- Relief well drilling started September 8, 2014

#### **BP # 05 – MESD Seepage Improvements (MESD excluding Conoco Phillips)**

- Relief well drilling started August 19, 2014
- Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B) on hold pending Ameren relocation

- Identified new borrow source for clay cap

**BP # 06 – PDP/FL Seepage Improvements**

- Relief well drilling started September 3, 2014
- Seepage berm construction continues after a few months of poor weather.
- Clearing for clay cap work has started – The contractor anticipates starting this work week of September 22, 2014.
- Lining of the triple 84” culverts at Palmer Creek Pump Station has started. The contractor anticipates this work taking close to 2 months to complete (weather dependent).

**BP # 7A and #7B – Deep and Shallow Cut Off Walls**

- Receipt of 408 letter from USACE dated September 2,2014
- Notice of awards to contractors September 9, 2014
- Pending
  - Signed contracts
  - QA/QC plans
  - Schedules
  - Preconstruction meetings

**Construction Photos**

**Bid Package 2A** – Completed Intake Structure – No change from last month

**Bid Package 2B** – Site 5 – Force mains  
 Site 10 – Intake Structure  
 Site 15 – Pumps Installed  
 Site 16 – Structure Complete

**Bid Package 3** – Clearing at Russell Commons Park

**Bid Package 04** – Site 09 Valve Vault Bottom Slab

**Bid Package 05** – Installing Filter Pack in RW 223A

**Bid Package 06** – Relief Well Drilling Underway

**Other Activities...**

**Land acquisition**

- Weekly calls with the team. Timing has impacted some schedules. Several key properties needed.
- Easements from the Village of East Alton – needed for BP #3 and BP #7B

**Chain of Rocks**

- Discussions with FEMA and USACE September 11, 2014 regarding how to certify and provide reports to FEMA
- Synopsis of strategies being prepared for review by USACE and FEMA



Mr. Conrad asked for a motion to accept Mr. Martin's progress report. A motion was made by Mr. Maher with a second by Mr. Pennekamp to accept the AMEC progress report. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – absent  
Mr. Pennekamp – Aye

The motion was approved unanimously.

#### **Audit Services for 2014**

Mr. Conrad asked Mr. Etwert to provide the report.

Mr. Etwert explained that Scheffel Boyle (formerly Scheffel & Co) has performed the annual audit of the financial statements for the Council since being selected from competitive proposals in 2010.

Scheffel Boyle has done an excellent job, particularly given the added effort that the firm put in to fully understand the terms and functioning of our bond issue, the regional nature of our finances, and other aspects of our sometimes atypical financial structure. The cost for the FY2013 audit was \$14,100. At Mr. Etwert's request, the firm has provided a cost proposal for a one year extension of \$14,750, and a three year extension of \$14,500, \$15,000, and \$15,500 for fiscal years 2014-2016.

Mr. Etwert stated Scheffel Boyle has the knowledge and experience of performing previous FPD audits and working with our fiscal agent, therefore, he requested that the Chief Supervisor be authorized to extend the engagement with Scheffel Boyle to perform the Council's audit for FY2014, FY2015, and FY2016.

Mr. Parks arrived during the presentation.

Mr. Conrad asked for a motion to accept Mr. Etwert's recommendation. A motion was made by Mr. Bergkoetter with a second by Mr. Parks to accept Mr. Etwert's recommendation of extending the engagement of Scheffel Boyle for a three year period at a cost of \$14,500 for 2014, \$15,000 for 2015, and \$15,500 for 2016. Mr. Maher called the roll and the following votes were made on the motion.

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

**Commitment to Provide Cost-Share to the Corps of Engineers for the Design of Levee System Improvements to Maintain the Authorized Level of Flood Protection in the Metro-East Sanitary and Wood River Districts**

Mr. Conrad asked Mr. Etwert to explain this item.

Mr. Etwert stated that at the November, 2012 Board meeting, Mr. Sterman was authorized to execute Design Agreements with the Corps of Engineers so that the Council could provide the required sponsor funds to match federal funds appropriated to carry out design activities for the Corps' project to achieve the authorized level of flood protection in the Wood River and Metro-East districts.

The Council's highest priority has been to meet the FEMA standard for flood protection, both to address immediate public safety concerns and to avoid the disastrous economic consequences of the American Bottom appearing on flood insurance rate maps as a special flood hazard area. The FEMA standard is generally consistent with a 100-year level of protection (1% chance of exceedance in any one year). The Corps of Engineers is committed to achieving a higher level of flood protection, generally described as the authorized level of protection, i.e. protecting against a flood elevation designated in the federal statutes that authorized the construction of the applicable levee systems. In our case, the authorized level of protection is 54 feet of river elevation on the St. Louis gauge, which is generally described as 500-year protection (.2% chance of exceedance in any one year), although it is probably significantly greater than that.

In December 2013, the Board authorized non federal cost-share funds to support design activities for federal FY2014 in the Wood River and MESD Districts. Authorized was \$1,018,750 for MESD and \$543,500 for Upper and Lower Wood River for a total of \$1,562,250 for design activities through September 30, 2014 in accordance with the existing Design Agreements.

The Corps of Engineers is now requesting FY2015 funds to complete the design of the two deep cutoff wall sections. Requested is \$280,250 for the Wood River Deep Cutoff Wall and \$812,750 for the East St. Louis Deep Cutoff Wall. The sponsor cost-share for design is 25%.

The Corps has previously provided the following information:

1. A description of the scope of the project(s) to be undertaken by the Corps (including data collection, design, and related activities).
2. Cost-estimate, with a schedule of cash needs from the Council.
3. Schedule.
4. Commitment to appropriate progress reports.

Note that a commitment on our part to sponsoring the design of additional levee system improvements does not commit the Council to paying for construction. To be sure, some of the same policy and financial issues that were relevant to the Wood River cutoff wall decision still need to be addressed. Further, the Corps has not indicated that any federal funds will be forthcoming in the Prairie Du Pont/Fish Lake districts, so further improvements in those areas would need to be locally funded.

These funds were included in the Estimated Project Expenditures 1.1.2014 to 12.31.2015 provided to the Board during the budget process. Authorization would complete our commitment to the design of these two deep cutoff wall sections.

Mr. Etwert recommended that the Chief Supervisor be authorized to provide up to \$1,093,000 as cost-share for Corps of Engineer design activities for FY2015 in accordance with the existing Design Agreements in the Wood River and MESD Districts

There was a brief discussion regarding the estimated \$50 million cost of work and the federal low benefit cost ratio for the 500-year level of protection in the Prairie Du Pont/Fish Lake area. There was emphasis on the need to continue to work together on all areas of protection throughout the Metro East region.

Concern was expressed about spending additional funds on the design of these two projects when actual construction is unknown at this point. It was stated that the completed design would remain viable regardless how long it sat on the shelf waiting for a funding source.

It was reiterated that the authorization was basically completing the FPD's commitment to the design of these two deep cutoff wall sections. The ultimate goal of achieving the 500-year level of protection was expressed.

Mr. Conrad asked for a motion to accept Mr. Etwert's recommendation. A motion was made by Mr. Pennekamp with a second by Mr. Maher to authorize the Chief Supervisor to provide up to \$1,093,000 as cost-share for Corps of Engineers design activities for FY2015 in accordance with the existing Design Agreements in the Wood River and MESD Districts. Mr. Maher called the roll and the following votes were made on the motion.

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye

Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

**Approval of Agreement with AT&T – BP #7A Cable Relocation**

Mr. Conrad asked Mr. Etwert to explain this item.

Mr. Etwert explained, that as a part of the BP #7A Shallow Cutoff Wall project, AT&T will be relocating 1,500 feet of cable closest to 1 Henry Street in Alton at a cost of \$81,276.64. As with almost all of utility work, AT&T is requesting pre-payment prior to proceeding with the relocation project.

This is an “Actual Cost Basis “contract which means that the \$81,276.64 is an estimate and upon completion of the work, AT&T will compute the actual cost of the work and any difference between the amount of this payment and the actual cost will be either paid by the FPD or refunded to the FPD by AT&T as the case may be.

Mr. Etwert recommended that the Chief Supervisor be authorized to enter into an agreement with AT&T for the relocation of their cable system in conjunction with the BP #7A Shallow Cutoff Wall project, at a total cost not to exceed \$81,276.64.

Mr. Conrad asked for a motion to accept Mr. Etwert’s recommendation. A motion was made by Mr. Pennekamp with a second by Mr. Parks to authorize the Chief Supervisor to enter into an agreement with AT&T for the relocation of their cable system in conjunction with the BP #7A Shallow Cutoff Wall project, at a total cost not to exceed \$81,276.64. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

## **BP #6 Type D and T Relief Wells Change Order**

Mr. Conrad asked Mr. Etwert to explain this item.

Mr. Etwert explained that at the July meeting there was a discussion regarding this large BP #6 Change Order involving Type D and T Relief Wells in the Prairie du Pont and Fish Lake Levee Districts. This is the result of soil conditions found during pilot hole drilling and involves providing additional depth to numerous wells. Original estimates for relief well depths were based on the underseepage analysis and the former borings along the levee.

For the relief wells to function correctly, they need to penetrate a certain depth into the porous aquifer sands. During the initial drilling of pilot holes, the aquifer sands needed for the relief wells to function correctly were not located as close to the surface as expected. Instead, numerous layers of very fine sand were encountered, which conduct flow less easily. It was necessary to drill the pilot holes deeper in order to achieve the necessary penetration into the aquifer sands, requiring deeper wells than originally estimated.

At the July meeting, it was estimated to cost probably be between 1.2 and 1.6 million dollars. Change Order 11 relates to the earlier change order involving pilot holes, which was approved by the Board at the July meeting. The deeper the pilot holes the deeper the relief wells. Unfortunately, there aren't a lot of options available, the procedures are identified, the wells must function properly, and the gradation of sand particles have to be a certain way to allow the water to flow properly to provide the relief that is necessary.

The soil trends found in the PDP/Fish Lake area don't appear to be prevalent in other reaches of the levee project.

Final design is still needed on six of the relief wells, therefore, this estimate is based on a draft design but should be very close. The scope of this change has been finalized and negotiated with the contractor and now has an estimated cost of \$1,282,932.15. AMEC recommends this change be approved due to the subsurface conditions that have been encountered.

Per the Board's Construction Change Order Policy approved earlier this year, any change order which causes a line item to increase by more than ten percent must be approved by the Board. With approval of this large change order, the total of all change orders on BP # 6 will exceed the ten percent change order project threshold, and it will be required that all future change orders regardless of size on the BP #6 project be approved by the Board.

Mr. Etwert indicated that he had reviewed the change order and recommended approval. He requested that the Chief Supervisor be authorized to approve BP #6 Change Order 11 for Type D and T Relief Wells for a cost not to exceed \$1,282,932.15. These funds were included in the Estimated Project Expenditures 1.1.2014 to 12.31.2015 provided to the Board during the budget process.

Mr. Conrad asked for a motion to accept Mr. Etwert's recommendation. A motion was made by Mr. Bergkoetter with a second by Mr. Brinkman to authorize the Chief Supervisor to approve BP #6 Change Order 11 for Type D and T Relief Wells for a cost not to exceed \$1,282,932.15. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

### **Corps of Engineers Update**

Mr. Conrad asked Tracey Kelsey to provide the report from the Corps.

Tracey Kelsey then used a PowerPoint® presentation to provide a Metro East Levees Overview.

She indicated that the Corps' goal is to fully restore the Metro East levee systems to their authorized level of protection of 54 feet on the St. Louis gage (roughly 500-year level of protection).

She identified two components that go into restoring the level. First addressing the aging infrastructure (those items that are above ground) and second the flooding from underseepage (first identified in 1993 and its continuance to occur during high river events since then), which can lead to under mining the levee and give a path to levee failure.

She provided a diagram indicating the elevation of the top of the levee, in relationship to the 100 & 500 year events, and the 1993 and 2013 flood events. The current level height is satisfactory, it's the two components previously mention that are the problem.

She identified the people, businesses, industries, and jobs that are protected by the levee.

Next identified was a progress to date map indicating various stages of Reconstruction, Construction Complete, In Construction, In Design and Design/Construction Pending. The amount that the Corps and Levee Districts have invested since 1988 was identified next.

Lastly, she discussed the challenge ahead to reduce the remaining risk due to underseepage with full restoration to the authorized level to protect against the stresses of a flood greater than the Flood of 1993 and provide a better and stronger system.

There was a brief discussion regarding the funds spent to date on the authorized level.

A motion was made by Mr. Pennekamp with a second by Mr. Conrad to receive the Corps report. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

#### **500-Year (Authorized) Level Flood Protection**

Mr. Conrad asked Mr. Etwert to explain this item.

Mr. Etwert explained that at last month's Board meeting, questions were raised regarding the 500-year (authorized) level of flood protection and the effect that it has on the development and growth of the American Bottom area.

Tracey Kelsey offered to give the presentation just presented on the engineering difference between the 100-year level and the 500-year level of flood protection and what needs to be done to achieve the 500-year (authorized) level.

David Human offered to arrange for short presentations by local developers and insurance representatives concerning the issue.

Today, Mr. Human along with Ryan Hodges of Duke Realty, Michael Towerman of Tristar Properties, and Tim Eagleton of FM Global will make short presentations regarding the 500-year (authorized) level of flood protection and the impact on community development.

Mr. Human spoke first using a PowerPoint® presentation to discuss the 500 Year Protection.

Mr. Human first spoke of his experience with 100 and 500-year level of protection levees and the value of the levee protected structures in the American Bottom area.

Next, the average annual benefits of protection of a 500-year levee estimated to be \$28,753,836 (based only on structure values) by the USACE was discussed. Numerous benefits, not included in this USACE amount, such as Public Safety, Updated 2014 Construction Numbers, Environmental Cleanup Benefits, Petroleum Production Benefits, Traffic Benefits,

Intensification Benefits and Economic Losses were discussed next. The increase in development when an area goes from the 100-year level of protection to the 500-year level of protection and the increase in land values. When considering all of these benefits, the annual benefits of protection of a 500-year levee is probably closer to \$70,000,000 annually.

Mr. Ryan Hodges, of Duke Realty, whose is also involved with the Earth City, Riverport and Lakeside 370 Levee Districts spoke next and continued using the PowerPoint® presentation. He discussed the Risk vs. Reward and the difference between the 100-year and 500-year level of protection, and how to mitigate risk. He said that Duke Realty would be encouraged to see the Metro East level of protection be commensurate with other systems in the region, and their clients would appreciate it.

Mr. Michael Towerman, of Tristar Properties, spoke next on the marketing side of development and the relationship of a levee system to development, and what you are protecting. He also discussed his experience regarding how a flood event can have a stigma on an area, how not having a 500-year level of protection can have an effect on development, the need to make your development a safe choice, and requiring all improvements (roads, buildings, etc.) to be above the 500-year storm level.

He also said, that he surveyed three other individuals active in the real estate community for their opinion on the 500-year level of protection. The first indicated you are dead if you don't have it, the second said it was absolutely essential, and the third said it wasn't about the money, it was about the real estate executive putting their position at risk by choosing a site behind a 100-year levee over a site behind 500-year levee.

Lastly, he praised the Board and the community for pulling together and getting the 100 year level project to where it is today.

Next, Mr. Tim Eagleton, of FM Global, spoke of the insurance industry and the importance to FM Global and their clients of having the 500-year level of protection over the 100-year level of protection. The FM stands for Factory Mutual, and as a mutual company FM Global is in a partnership with their clients, in fact, they are owned by their clients. For the partnership to work, they must be in agreement on loss prevention. Better to prevent a loss than suffer through it.

FM Global sends field engineers out to each site it insures to determine flood potential and flood loss, including building damages and business interruption (lost profit and fixed expenses during lack of operations). The field engineers look at ways to reduce the risks and make recommendations to their clients and underwriters so their clients are protected. FM Global relies on their field engineers to determine what the loss is going to be and what FM Global underwriters can underwrite. There is only so much that FM Global can offer before going out and buying reinsurance which costs get passed on to their client or is absorbed by FM Global.



The insurance industry basically looks at the 100-year level and the 500-year level of protection and it makes a big difference to their clients, and to development as a whole, if an area is protected by a 500-year levee vs. a 100-year levee.

After Mr. Eagleton finished, there was a brief discussion regarding standards of protection utilized (Corps, FEMA, etc.), possible loss of development due to lack of 500-year protection, FM Global's rating of the American Bottom levee system, which currently doesn't meet their 100-year level of protection standard due mainly to underseepage, and the potential of development if there is a 500-year level of protection plan in place.

Mr. Conrad thanked everyone for their presentations.

Mr. Parks left during the presentation.

### **Public Comment**

Mr. Conrad asked if there is any public comment. There were none.

Mr. Conrad asked to convene an executive session to address real estate matters.

Mr. Bergkoetter made a motion at 8:55 am to convene a closed session under 5ILCS 120.2 for the purpose of discussing the purchase or lease of real property by a public agency. The motion was seconded by Mr. Pennekamp. Mr. Etwert indicated that all Board members should be present, along with Phil Johnson, Brennen Soval, David Human, Jay Martin, and Jon Omgig. Mr. Maher called the roll and the following votes were made on the motion:

- Mr. Polka - absent
- Mr. Brinkman – Aye
- Mr. Bergkoetter - Aye
- Mr. Conrad - Aye
- Mr. Long – absent
- Mr. Maher – Aye
- Mr. Motil – absent
- Mr. Parks – absent
- Mr. Pennekamp – Aye

The motion was approved unanimously and the Board went into executive session.

Mr. Pennekamp made a motion to adjourn the executive session at 9:01 am and to go back into public session. Mr. Maher seconded the motion. Mr. Maher called the roll and the following votes were made on the motion:

- Mr. Polka - absent
- Mr. Brinkman – Aye
- Mr. Bergkoetter - Aye
- Mr. Conrad - Aye

Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – absent  
Mr. Pennekamp – Aye

Mr. Conrad called the meeting to order.

**Real Estate Transactions**

A motion was made by Mr. Pennekamp, and seconded by Mr. Brinkman to authorize the Chief Supervisor to continue to negotiate the acquisition of easements and/or fee simple titles for the Slow parcels in accordance with the terms and conditions discussed by the Board in the executive session.

Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – absent  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – absent  
Mr. Pennekamp – Aye

The motion was approved unanimously.

**Other Business**

There was no other business.

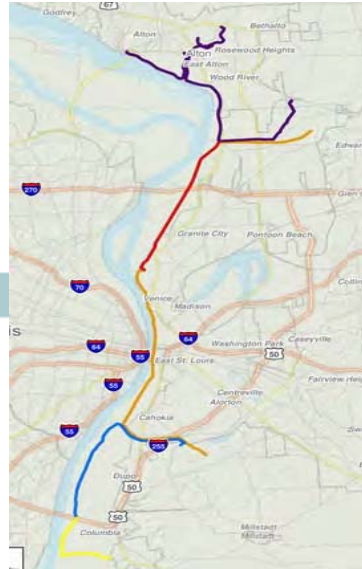
**Adjournment**

A motion was made by Mr. Pennekamp, seconded by Mr. Brinkman to adjourn the meeting. The motion was approved unanimously by voice vote, all voting aye.

Respectfully submitted,

Dan Maher,  
Secretary/Treasurer, Board of Directors

**Progress Report  
September 17, 2014  
SW IL Levee System  
By Jay Martin**



**Construction Status**

- **BP #2A – Fish Lake Pump Station**
  - Contractor completing punch list items.
  - Change Orders: Extension of existing gravity drain for farm access and time extension due to high river. The gravity drain extension will be processing after ponding water evaporates.
- **BP #2B - WR/MESD/PDP Pump Stations**
  - Site 10 The Contractor has installed the force main.
  - Site 16 The Contractor is setting pumps, performing electrical work
  - Site 5 The force main installation and earthwork operations are being performed.
  - Site 12 Evaluating options for upgrading existing piping system.
  - Site 15 Pumps have been set. Startup/testing to occur once Ameren has completed terminations to new transformer

## Bid Package Update



- BP #03 – *WR Seepage Improvements*
  - Land acquisition still impacting the start of work; scheduled completion date missed.
  - The contractor has begun some clearing operations and drilling relief well pilot holes that are not impacted by land acquisition.
  
- BP #04 – *MESD Seepage Improvements (Conoco Phillips)*
  - Pump station construction has started (valve vault & outfall structures). The deep intake structure will be completed this month (weather dependent)
  - Relief well drilling started September 8, 2014.
  
- BP #05 – *MESD Seepage Improvements (MESD excluding Conoco Phillips)*
  - Relief well drilling started August 19, 2014.
  - Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B) on hold pending Ameren relocation
  - Identified new borrow source for clay cap.

3

## Bid Package Update



- BP #06 – *PDP/FL Seepage Improvements*
  - Relief well drilling started September 3, 2014.
  - Seepage berm construction continues after a few months of poor weather.
  - Clearing for clay cap work has started – The contractor anticipates starting this work the week of September 22, 2014.
  - Lining of the triple 84" culverts at Palmer Creek Pump Station has started. The contractor anticipates this work taking close to 2 months to complete (weather dependent).
  
- BP #7A and #7B – *Deep and Shallow Cut Off Walls*
  - Receipt of 408 letter from USACE dated September 2, 2014
  - Notice of awards to Contractors September 9, 2014
  - Pending
    - Signed contracts
    - QA/QC plans
    - Schedules
    - Preconstruction meetings

4

**Bid Package 2A**



Completed Intake Structure – No change from last month



**Bid Package 2B**



Site 5 Force Mains



Bid Package 2B



Site 10 Intake Structure



Bid Package 2B



Site 15 Pumps Installed



**Bid Package 2B**



**Site 16 Structure Complete**



**Bid Package 3**



**Clearing at Russell Commons Park**





**Bid Package 04**



**Site 09 Valve Vault Bottom Slab**



11

**Bid Package 05**



**Installing Filter Pack in RW 223A**



12



Relief Well Drilling Underway



Other Activities...

- Land acquisition –
  - Weekly calls with the team. Timing has impacted some schedules. Several key properties needed.
  - Easements from the Village of East Alton; needed for BP # 3 and BP #7B
  
- Chain of Rocks
  - Discussions with FEMA and USACE September 11,2014 regarding how to certify and provide reports to FEMA.
  - Synopsis of strategies being prepared for review by USACE and FEMA

Questions?

# Metro East Levees Overview

**Tracey Kelsey**

Metro East Levees Program Manager

St. Louis District, U.S. Army Corps of Engineers

Sept. 17, 2014

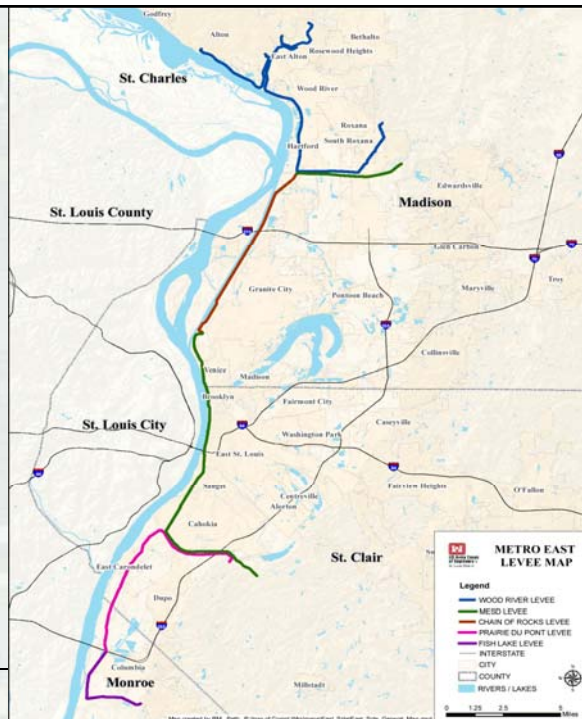


US Army Corps of Engineers  
**BUILDING STRONG**



## THE GOAL:

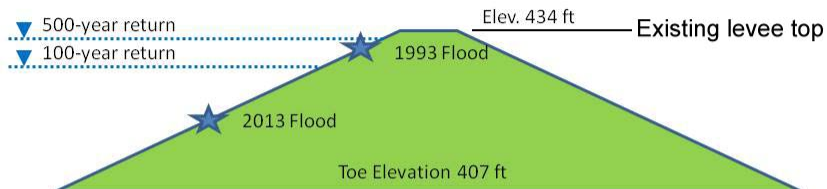
**Fully restore the Metro East levee systems to their authorized level of protection of 54' on St. Louis gage (roughly 500-year level of protection)**







Probability of Levee Breach for 100-year and 500-year design



Flood	Water Level (ft)	100-year Design	500-year Design
500-year event	430.5	10%	1%
1993 Flood	429.5	8%	0.8%
100-year event	426.0	1%	0.2%
2013 Flood	415.4	-	-

Probability of levee breach over next 50 years:      4.1%      0.45%



### What is protected?

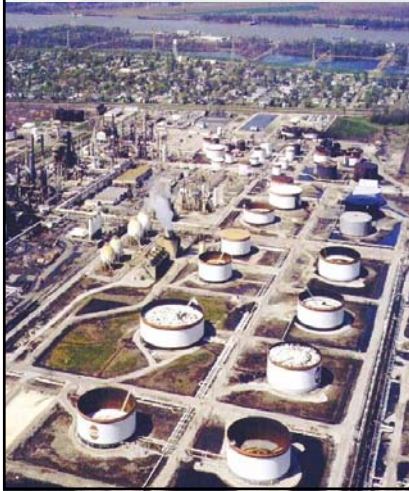
- 156,000 people
- 4,000 businesses
- 56,000 jobs





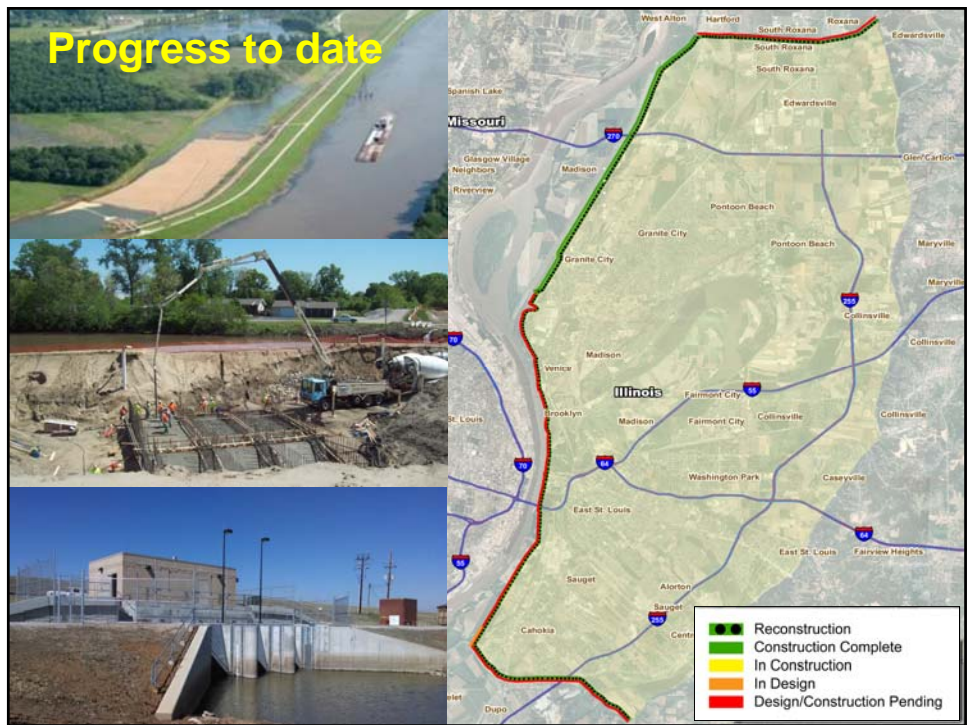
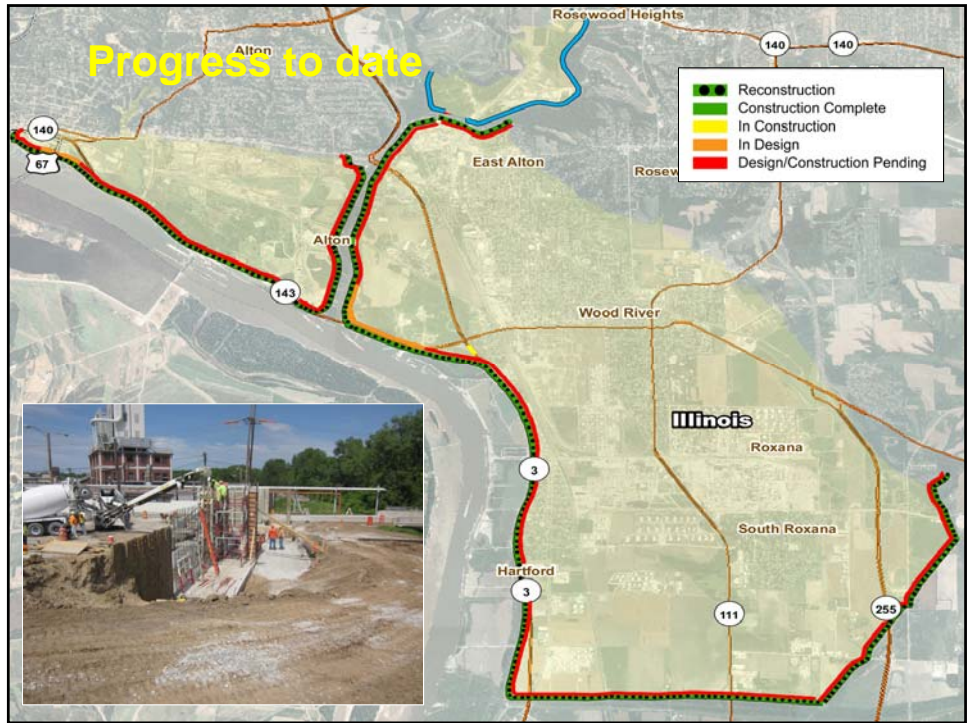

## What is protected?

- Major transportation hub
- Conoco Philips refinery
- Superfund sites



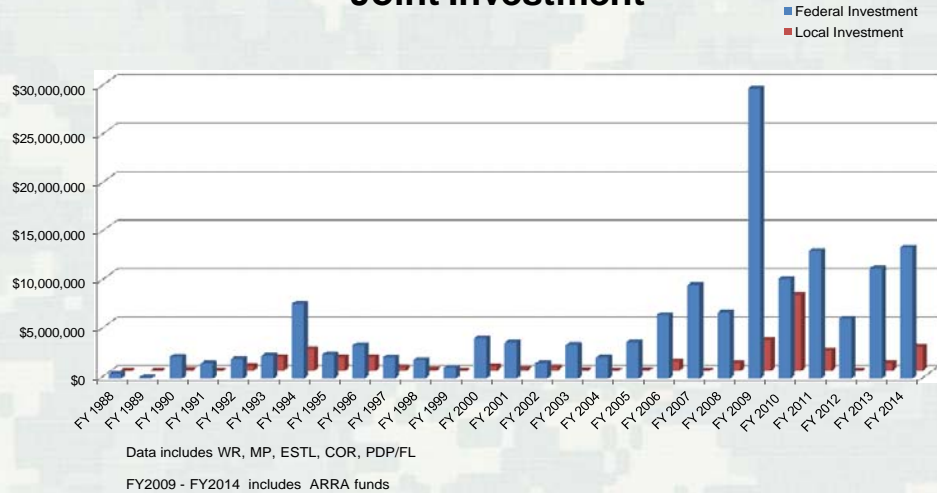
## What has been done?







## Joint Investment



Data includes WR, MP, ESTL, COR, PDP/FL

FY2009 - FY2014 includes ARRA funds

Total Investment: \$170 M (\$143M Fed; \$27M (16%) Local)



BUILDING STRONG®

## The Challenge Ahead

- Reduce remaining risk due to underseepage
- Full restoration will protect against stresses greater than the Flood of '93





**A Better and Stronger system**



# 500 Year Protection

## 500 Year Protection By The Numbers

Total Value of  
All Structures\*

Wood River	\$1.47 Billion
MESD	\$ 4.5 Billion
PDP & Fishlake	\$198 Million

\* These studies were based on 2010 or 2011 price levels.

500 Year Protection  
By The  
Numbers

Average Annual  
Net Benefits\*

Wood River	\$13,027,000
MESD	\$12,573,836
PDP & Fishlake	<u>\$ 3,153,000</u>
	\$28,753,836

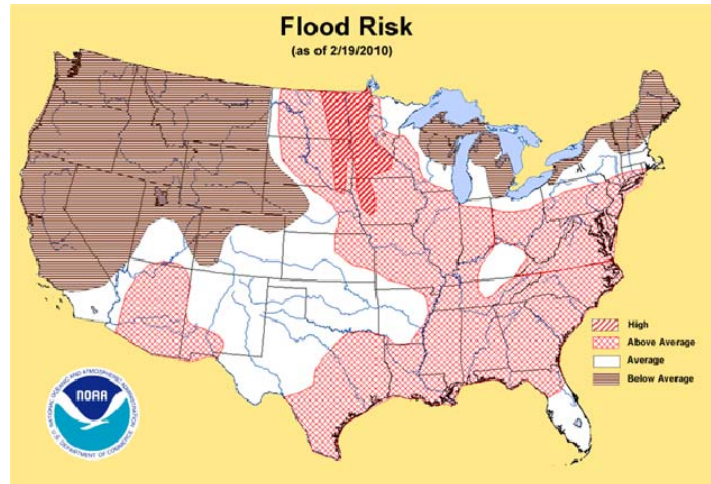
\* Pursuant to the National Economic Development (NED) analysis, which was performed by USACE, of the contributions of each project.

500 Year Protection By The Numbers

Benefits not Included

- 1) Public Safety
- 2) 2014 Updated Numbers  
e.g. Conoco Phillips - \$3.8 Billion invested
- 3) Environmental Cleanup Benefits
  - Loss of the Lower Wood River Levee alone would result in a conservative estimate of environmental damages in excess of \$2 Billion
- 4) Petroleum Production Benefits
  - Financial Impact would be far reaching and of National significance
- 5) Infrastructure Benefits
  - Roads
  - Railroads
  - Utilities
- 6) Traffic Benefits
  - Closure of numerous U.S. Interstates and Illinois Highways
- 7) Intensification Benefits

## WHY 500 yr. vs. 100 yr.



RISK vs. REWARD

## WHY 500 yr. vs. 100 yr.

### Mitigate Risk

- RISK vs REWARD
- What are you protecting
- What are your means

FEMA's Formula: Plan, Prepare & *Mitigate*

<http://www.fema.gov/living-levees-its-shared-responsibility>



[https://www.floodsmart.gov/floodsmart/pages/videos/levee\\_officials.jsp](https://www.floodsmart.gov/floodsmart/pages/videos/levee_officials.jsp)

## WHY 500 yr. vs. 100 yr.

Who is **RESPONSIBLE** for Operating and Maintaining “These Levees”

If you are an official in an area with levees, remember to:

- Understand that levees bring unique risks and inform citizens of local risks
- Encourage and support mitigation measures, including elevation and flood insurance protection
- Have a local evacuation plan in place and encourage citizens to have a family emergency plan
- Recognize that addressing levee issues involves partnership and leverage local, state and Federal agencies and resources to improve flood protection

## WHY 500 yr. vs. 100 yr.

As the impact of disruption becomes more significant .....

**The United States has thousands of miles of levees – designed to provide a last line of defense for people and properties against major flood events. While levees can help reduce flood risks, they are not a guarantee of protection. Levees can, and do, fail. When they fail, the damage can be catastrophic.**

..... then measures that create incremental reductions in risk become imperative.

# WHY 500 yr. vs. 100 yr.

## Urban Standard

- Are we providing a level of protection commensurate with Horseradish fields or vital Commerce & Communities

**In 2005, storm surge from Hurricane Katrina overwhelmed the levee system surrounding New Orleans, Louisiana. The flooding that resulted became the largest natural disaster in United States history.**

**Levee-related flooding as a result of Katrina redoubled efforts already underway to assess and strengthen flood control structures and raise awareness about risks and the need for protection.**



The map displays the New Orleans metropolitan area with various flood zones highlighted in blue and yellow. Major roads and landmarks are visible, including the Mississippi River and the Gulf Coast Expressway. The map is overlaid with a grid of latitude and longitude coordinates.



**FloodSmart.gov**  
NATIONAL FLOOD INSURANCE PROGRAM  
The official site of the NFIP

Have you done everything you can to keep “F” word out of your community?



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for October 2014  
Date: October 13, 2014

We continue to work on the acquisition of easements needed to complete the projects that have been awarded. We are now down to 4 owners involving 10 parcels on the BP #3 and BP #7B construction projects. The easements involve 1 individuals, 1 railroad, and 2 corporations. As previously mention it is imperative that we reach agreements with these property owners as soon as possible. There will be an executive session at the end of the meeting to discuss one or two situations.

Approximately 36% of the \$40.8 million of construction involved in our six current construction bid packages had been completed thru September 30<sup>th</sup>. Bid Packages 7A has already started construction this month with BP #7B to begin shortly.

Construction continued to improve in September with over 2.0 million dollars' worth of construction being completed.

We have three change orders on this month's agenda, one for BP #6 which is over the ten percent change order threshold which requires Board approval of any change order, and two for BP #2B, for line items exceeding ten percent. AMEC will be explaining each.

On October 1<sup>st</sup> a request was sent to the Corps of Engineers for an amendment to the Project Partnership Agreement (PPA) that the FPD and the Wood River Levee and Drainage have with the Corps of Engineers. This amendment would allow for crediting of in-kind contributions by non-Federal sponsors. An expeditious review was requested, as construction of project BP #7A has started and BP #7B is expected to start soon. One of the conditions of receiving credit is that the PPA have the in-kind credit language prior to the "notice to proceed" and the "initiation of construction". The Corps has responded with an alternate process of using a Memorandum of Understanding (MOU) signed by all parties involved in the PPA. This will be discussed as an agenda item at the meeting. A copy of the request, which was previously e-mailed to the Board, will be available at the meeting.

The decision by the Corps of Engineers' Contracting Officer on the PLA issue, which was scheduled for September 22<sup>nd</sup> as presented by the Corps at the August 20<sup>th</sup> meeting, hasn't been received to date. Recent conversations with the Corps indicate a determination decision should be made shortly.

I have included in your Board packet a copy of AMEC's Monthly Progress Report for October.





Southwestern Illinois Flood Prevention District Council  
c/o Charles Ewert  
104 United Drive  
Collinsville, IL 62234

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## **Monthly Project Progress Report October 2014**

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AMEC Project No. 563170001  
Period Ending Date: October 10, 2014

*Date of Issue: October 10, 2014*

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# 1. OVERVIEW

## 1.1 Project Description

Levees along the east side of the Mississippi River within four levee districts have been found to be out of compliance with FEMA Requirement 44CFR 65.10 and therefore have been de-certified. The four districts are: Wood River Drainage and Levee District, Metro-East Sanitary District, Prairie du Pont Drainage and Levee District, and Fish Lake Drainage and Levee District. The counties involved have formed an overarching entity called the Southwestern Illinois Flood Prevention District Council (SIFPDC). AMEC has been selected by the SIFPDC to design and manage the construction of levee system improvements necessary to demonstrate compliance with FEMA Requirement 44CFR 65.10.

**Bid Package 2A** is composed of the construction of one (1) pump station within the Fish Lake Levee District System.

**Bid Package 2B** is composed of the construction of five (5) pump stations within the Wood River, MESD, and Prairie du Pont Levee Districts.

**Bid Package 3** is composed of the construction of seepage control improvements within the Wood River Drainage and Levee District Levee System.

**Bid Package 4** is composed of the construction of seepage control improvements within the Metro East Sanitary District Levee System, from Station 1209+00 to 1242+00. This package also includes the construction of one (1) pump station.

**Bid Package 5** is composed of the construction of seepage control improvements within the Metro East Sanitary District Levee System.

**Bid Package 6** is composed of the construction of seepage control improvements within the Prairie du Pont Drainage and Levee District and Fish Lake Drainage and Levee District Levee Systems.

**Bid Package 7A** is composed of the construction of a shallow cutoff wall and flush clay cap near the upstream portion of the Upper Wood River Levee System, from station 20+00 to 38+00.

**Bid Package 7B** is composed of the construction of a deep cutoff wall and protruding clay cap in the Lower Wood River Levee System, from station 132+00 to 170+00.

## 1.2 AMEC Scope

Based on baseline budgets and baseline schedules, monitor and manage the program performance.

- track program cost
- monitor program budget
- track program progress
- monitor program schedule
- complete earned value analysis, performance measurements and forecasting
- schedule and cost variance management and corrective action plans

## 1.3 Key Contacts / People

Program Manager	Jay Martin, PE, 615.333.0630 <a href="mailto:jay.w.martin@amec.com">jay.w.martin@amec.com</a>
Project Manager	Jon Omvig, AICP, 636.200.5118 <a href="mailto:jon.omvig@amec.com">jon.omvig@amec.com</a>
Resident Engineer	Jim Solari , PE, 314.478-9287 <a href="mailto:james.solari@amec.com">james.solari@amec.com</a>
Construction QA Manager	Kevin Williams, 618.401.7226 <a href="mailto:kevin.m.williams@amec.com">kevin.m.williams@amec.com</a>
Project Coordinator	Kendra Mitchom, 618.346.9120 <a href="mailto:kendra.mitchom@amec.com">kendra.mitchom@amec.com</a>

**2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE)**

**2.1 HSSE Reports**

<b>Health/Safety</b>
The Contractors continue to conduct daily toolbox safety talks.  Amec continues to conduct monthly safety meetings.  Korte Luitjohn subcontractor hit electrical pole.
<b>Security</b>
No issues during this reporting period.
<b>Environment (SWPPP)</b>
No issues during this reporting period.

### 3. PROJECT STATUS UPDATE

#### 3.1 Bid Package 2A

##### 3.1.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 11, 2013
Schedule received	October 29, 2013
Anticipated start of field activities	January 22, 2014
Start of field activities	January 27, 2014
Anticipated completion date	<i>Change Order pending weather (ponding water).</i>
Final Walk Through	Substantial completion walkthrough August 12, 2014
Final Acceptance	

##### 3.1.2 Progress

ID	Description	Target	Actual	Comments
A	Construct Site 1 Pump Station	August 2014	98%	Contractor completing one punch list item and to install the Stumpf bypass road change order.

##### 3.1.3 Property Acquisition

All property is acquired.

##### 3.1.4 Levee Board Considerations

None at this time.

##### 3.1.5 Submittals

Contractor submitted final close-out submittals except the as-builts which will be complete after the Stumpf change order is complete.

##### 3.1.6 Change Orders

See Change Order Log attached.

Upcoming change order: Stumpf bypass road and time extension.

##### 3.1.7 Field Activities and Look Ahead

Substantial Completion walk through was conducted on August 18, 2014. Contractor working on one final electrical punch list item. A final inspection will be scheduled once the Contractor has completed the punch list item and the Stumpf change order.

##### 3.1.8 QC/QA Activities

Juneau/SCI will be onsite for density testing of the upcoming change order

##### 3.1.9 Considerations

Extra time will be given to the Contractor to complete project expected due to high river levels and extension of existing gravity drain. Amec to work with Contractor.

##### 3.1.10 Payment Progress

See Contract Invoice Log attached.

### 3.2 Bid Package 2B

#### 3.2.1 Calendar

Bid Date:	October 1, 2013
Contract executed	December 16, 2013
Schedule received	December 17, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 24, 2014
Anticipated completion date	<i>TBD (see 3.2.9 below)</i>
Final Walk Through	
Final Acceptance	

#### 3.2.2 Progress

ID	Description	Target	Actual	Comments
A	Construct Site 10 Pump Station	July 2014	85%	Structures & Force Mains Complete, Pumps Installed, Earthwork 50% Complete, Electrical Rough-in will begin Mid October
B	Construct Site 16 Pump Station	July 2014	90%	Structures & Force Mains Complete, Pumps Installed, Earthwork 98% Complete, Electrical rough-in complete. Ameren to install primary power late October.
C	Construct Site 5 Pump Station	July 2014	85%	Structures & Force Mains Complete, Earthwork 90% Complete, Electrical rough-in complete Ameren to install primary power mid/late October
D	Construct Site 12 Pump Station	November 2014	37%	Testing of existing force main failed and the system is designed to be replaced.
E	Construct Site 15 Pump Station	August 2014	90%	Structures & Force Mains Complete, Pumps Installed, Earthwork 98% Complete, Electrical rough-in complete. Ameren to make terminations for primary power late October

#### 3.2.3 Property Acquisition

All property is acquired.

#### 3.2.4 Levee Board Considerations

As noted.

#### 3.2.5 Submittals

Submittal process ongoing.

#### 3.2.6 Change Orders

- See Change Order Log attached

- Site 12 Existing Force Mains – GCED #1 Pump Station (Levee Station 783+01) - The design intent for Bid Package 2B – Pump Station Site 12 was to reuse the existing 14-inch steel force mains in lieu of removal and replacement of the lines, valve vault, and outfall structure. Due to the existing pipe's age, hydrostatic pressure testing (per AWWA M11) was conducted and it was determined that the East force main was leaking. Since the location of the leak is unknown, the engineer of record recommended replacing the force mains.
- Site 16 Duct bank - Ameren Electric was originally to run overhead power poles to the site 16 pump structure. COE denied Ameren's request to run overhead lines in certain sections and has indicated that that portion of the line must be run underground for flood fighting activities. See the change order memo dated October 10, 2014.

### 3.2.7 Field Activities and Look Ahead

- Site 5 – force mains, earthwork, and electrical
- Site 10 – force mains, earthwork, and electrical
- Site 12 – force main pipe testing failed and a new piping system has been designed by Amec.
- Site 15 – Electrical, pump start-up and testing
- Site 16 – Pump installation and electrical

### 3.2.8 QC/QA Activities

Juneau/SCI onsite performing testing activities.

### 3.2.9 Considerations

Site 12 Pump Station construction cannot start until October 16, 2014 per USACE 408 permit requirements.

### 3.2.10 Payment Progress

See Contract Invoice Log attached.



### 3.3 Bid Package 3

#### 3.3.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	Pending property acquisition
Start of field activities	
Anticipated completion date	<i>This completion date is delayed due to land acquisition. The project will take 7 months to complete once the land acquisition is obtained.</i>
Final Walk Through	
Final Acceptance	

#### 3.3.2 Progress

ID	Description	Target	Actual	Comments
A	Blanket Drains, Seepage Berms and Stream Banks	TBD	10%	Clearing at blanket drain #1 & #1 has begun
B	Relief Wells and Piezometers	TBD	5%	Pilot hole drilling has begun

#### 3.3.3 Property Acquisition

Major parcels are still needed for project to progress. Partial NTP issued March 13, 2014.

#### 3.3.4 Levee Board Considerations

The slow progress of land acquisition is affecting the levee certification schedule. Property acquisition needs to be expedited. *The project will take 7 months to complete once the land acquisition is obtained. The final completion date is estimated to be June 2015 only if the land acquisition is completed by October 1, 2014.*

#### 3.3.5 Submittals

Submittal process ongoing.

#### 3.3.6 Change Orders

See Change Order Log attached.

#### 3.3.7 Field Activities and Look Ahead

- Land acquisition still impacting full mobilization; Current contract completion date of September 1, 2014 cannot be met due to land acquisition delays. Project duration is approximately 7 months minimum (weather dependant).
- The contractor has begun some clearing operations at Russell Commons Park, Blanket Drain #2 & #3, and the Cahokia Creek Diversion Channel. Drilling of pilot holes and Piezometers have continued as land acquisition and river levels allow.

#### 3.3.8 QC/QA Activities

None at this time.

### 3.3.9 Considerations

Current contract completion date cannot be met due to land acquisition delays. Work is expected to take seven months. A time extension is expected once work can begin. Property acquisition has been critical and is affecting the Bid Package 03 project schedule and overall levee improvements project and certification schedule.

#### Payment Progress

See Contract Invoice Log attached.

### 3.4 Bid Package 4

#### 3.4.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	<i>December 2014 (see 3.4.9 below)</i>
Final Walk Through	
Final Acceptance	

#### 3.4.2 Progress

ID	Description	Target	Actual	Comments
A	Earthwork	June 2014	10%	No earthwork has been performed. Contractor searching for clay.
B	Relief Wells (new and converted)	August 2014	35%	Relief Well work has started
C	Concrete Structures	November 2014	10%	Pump station construction has started (valve vault & outfall structures). The deep intake structure will be completed this month (weather dependent)

#### 3.4.3 Property Acquisition

All property is acquired.

#### 3.4.4 Levee Board Considerations

None

#### 3.4.5 Submittals

Submittal process continues.

#### 3.4.6 Change Orders

See Change Order Log attached.

#### 3.4.7 Field Activities and Look Ahead

- Pump station construction has started (valve vault & outfall structures). The deep intake structure will be completed in November (weather dependent)
- Relief well drilling has started September 8, 2014. Relief well drilling continues. 7 of 19 RWs have been installed.

#### 3.4.8 QC/QA Activities

No current material testing needs.

#### 3.4.9 Considerations

None

#### 3.4.10 Payment Progress

See Contract Invoice Log attached.

### 3.5 Bid Package 5

#### 3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 17, 2014
Anticipated completion date	<i>TBD (see 3.5.9 below)</i>
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

ID	Description	Target	Actual	Comments
A	Sluice Gates	June 2014	2%	Work on rehabilitating gravity drains and sluice gates resumed 11 August once river levels receded.
B	Relief Wells and Piezometers	October 2014	30%	Manholes and collection systems have been installed in southern portion of project; drilling of new wells began August 18, 2014.
C	Earthwork	September 2014	26%	Contractor searching for suitable clay material.
D	Rip Rap repairs	October 2014	20%	Need lower river levels; started work but left in place due to higher water

#### 3.5.3 Property Acquisition

All property is acquired.

#### 3.5.4 Levee Board Considerations

Keller is obtaining the 150,000 cubic yard clay source. Once the Clay source is secured, approximately 170 atterberg, plasticity and permeability tests will be performed. These tests may take 7 to 10 days per round. SCI is only able to process 6 permeability tests per round. That being the case, the testing may take 27 weeks to complete. Amec investigating either reducing the testing frequency or requesting an additional COE certified laboratory to assist.

#### 3.5.5 Submittals

Submittal process underway.

#### 3.5.6 Change Orders

See Change Order Log attached.

#### 3.5.7 Field Activities and Look Ahead

- Relief well drilling started August 19, 2014. Relief well drilling continues and 19 of 70 RWs have been drilled.
- Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B) on hold pending Ameren relocation

3.5.8 QC/QA Activities

Juneau/SCI on site for QC testing as needed.

3.5.9 Considerations

Time extension likely due to river level delays

3.5.10 Payment Progress

See Contract Invoice Log attached.

### 3.6 Bid Package 6

#### 3.6.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 3, 2013
Schedule received	October 31, 2013
Anticipated start of field activities	November 11, 2013
Start of field activities	November 19, 2013
Anticipated completion date	<i>TBD (see 3.6.9 below)(weather dependent)</i>
Final Walk Through	
Final Acceptance	

#### 3.6.2 Progress

ID	Description	Target	Actual	Comments
A	Seepage Berms	August 2014	75%	Work continues; new borrow site to be opened soon for berms south of East Carondelet
B	Clay Caps	April 2014	10%	Contractor searching for suitable clay material. Minor site clearing has begun.
C	Relief Wells and Piezometers	June 2014	20%	Piezometer installation started, but was slowed by river levels; relief well drilling to start later this month.
D	Pipe Conveyance	October 2014	0%	None

#### 3.6.3 Property Acquisition

All property is acquired.

#### 3.6.4 Levee Board Considerations

Contractors indicated that they are awaiting QC sample results from ABNA.

#### 3.6.5 Submittals

Submittal process ongoing.

#### 3.6.6 Change Orders

- See Change Order Log attached and the Change Order Memo.
- Potential Upcoming Change Orders:
  - Clay material quantity adjustment
  - SM material quantity adjustment
  - Three ladders to sluice gate at Palmer Creek 84 inch sluice gates.
  - PZ abandonment
  - Painting of hydraulic structures
  - Vacuum testing of manholes
  - Clay undercut for stations 365 to 371.
  - Potential claims for ABNA testing delays.

### 3.6.7 Field Activities and Look Ahead

- Relief well drilling started September 3, 2014. Relief well drilling continues. 7 of 66 RWs have been drilled.
- Seepage berm construction continues after a few months of poor weather.
- Clearing for clay cap work has started – The contractor anticipates starting this work the week of September 22, 2014. Clay Cap work has begun.
- Lining of the triple 84” culverts at Palmer Creek Pump Station has started. The contractor anticipates this work taking close to 2 months to complete (weather dependent).

### 3.6.8 QC/QA Activities

ABNA is testing material as it is blended; AMEC and Geotechnology performing QA testing.

### 3.6.9 Considerations

- River and weather delays.
- Contractors indicated that they are awaiting QC sample results from ABNA

### 3.6.10 Payment Progress

See Contract Invoice Log attached.

### 3.7 Bid Package 7A

#### 3.7.1 Calendar

Bid Date:	August 13, 2014
Contract executed	September 17, 2014
Schedule received	October 1, 2014
Anticipated start of field activities	October 6, 2014
Start of field activities	October 6, 2014
Anticipated completion date	<i>February 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.7.2 Progress

ID	Description	Target	Actual	Comments
A	Clay Cap installation		0%	Begins the week of October 13, 2014.

#### 3.7.3 Property Acquisition

#### 3.7.4 Levee Board Considerations

#### 3.7.5 Submittals

- On-going

#### 3.7.6 Change Orders

- None at this time

#### 3.7.7 Field Activities and Look Ahead

- Notice of Award issued September 9, 2014
- Contract Executed September 17, 2014
- Notice to Proceed issued September 22, 2014
- Work began onsite on October 6, 2014 – Site clearing, removal of asphalt pavement, etc.
- Degradation of the levee has begun and is followed by clay cap work/platform installation.
- Installation/monitoring of Piezometers will be ongoing.

#### 3.7.8 QC/QA Activities

#### 3.7.9 Considerations

#### 3.7.10 Payment Progress

NA



### 3.8 Bid Package 7B

#### 3.8.1 Calendar

Bid Date:	August 13, 2014
Contract executed	In progress
Schedule received	
Anticipated start of field activities	
Start of field activities	
Anticipated completion date	June 2015
Final Walk Through	
Final Acceptance	

#### 3.8.2 Progress

ID	Description	Target	Actual	Comments
A	Instrumentation installation			
B	Clearing and grubbing of the levee			
C				
D				

#### 3.8.3 Property Acquisition

#### 3.8.4 Levee Board Considerations

- Notice to Proceed (NTP) is pending the Olin Land acquisition.

#### 3.8.5 Submittals

- On going

#### 3.8.6 Change Orders

#### 3.8.7 Field Activities and Look Ahead

- The Notice of Award and the Contract Agreement have been sent to the Contractor for signature. The NTP is pending the Olin Land acquisition.

#### 3.8.8 QC/QA Activities

#### 3.8.9 Considerations

- Notice of Award issued September 9, 2014
- Contract Executed September 23, 2014
- Notice to Proceed (NTP) is pending the Olin Land acquisition.

#### 3.8.10 Payment Progress

NA

## CONTRACT INVOICE LOG

**Contractor:** Korte & Luitjohan Contractors, Inc  
 12052 Highland Road  
 Highland, IL 62249

**Project:** SWILCD  
**Construction Package:** BP2A

<b>Original Contract Amount:</b>	\$747,500.00	
<b>Change Order #1:</b>	\$2,245.00	Limitorque Actuator
<b>Change Order #2:</b>	\$7,730.00	Additional Road Aggregate
<b>Change Order #3:</b>	\$434.00	Monroe County Building Permit
<b>Change Order #4:</b>	\$0.00	Contract Time Extension
<b>Change Order #5:</b>	\$0.00	Contract Time Extension 2
<b>Change Order #6:</b>	\$0.00	Contract Time Extension 3
<b>Change Order #7:</b>	\$5,189.21	Additional Rock and Testing
<b>Change Order #8:</b>	Pending	Stumpf Property Pipe Extension
<b>Total Change Order Amount:</b>	\$15,598.21	
<b>Total Revised Contract Amount:</b>	\$763,098.21	

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
<a href="#">1</a>	11/15/2013	11/27/2013	\$11,000.00	\$1,100.00	\$9,900.00	\$9,900.00	11/1/2013	\$737,600.00
<a href="#">2</a>	2/5/2014	2/10/2014	\$76,000.00	\$7,600.00	\$68,400.00	\$58,500.00	<a href="#">2/18/2014</a>	\$679,100.00
<a href="#">3</a>	3/6/2014	3/13/2014	\$228,500.00	\$22,850.00	\$205,650.00	\$137,250.00	<a href="#">3/25/2014</a>	\$541,850.00
<a href="#">4</a>	3/31/2014	4/15/2014	\$372,400.00	\$37,240.00	\$335,160.00	\$129,510.00	<a href="#">4/22/2014</a>	\$420,504.00
<a href="#">5</a>	4/30/2014	5/13/2014	\$432,500.00	\$43,250.00	\$389,250.00	\$54,090.00	<a href="#">5/22/2014</a>	\$366,414.00
<a href="#">6</a>	5/31/2014	6/10/2014	\$635,890.00	\$50,742.00	\$585,148.00	\$195,898.00	<a href="#">6/19/2014</a>	\$170,516.00
<a href="#">7</a>	6/30/2014	7/14/2014	\$684,000.00	\$53,147.00	\$630,853.00	\$45,705.00	<a href="#">7/17/2014</a>	\$124,811.00
<a href="#">8</a>	7/31/2014	8/12/2014	\$753,929.00	\$37,895.45	\$716,033.55	\$85,180.55	<a href="#">8/19/2014</a>	\$39,630.45
<a href="#">9</a>	8/31/2014	9/9/2014	\$759,118.21	\$37,895.45	\$721,222.76	\$5,189.21	<a href="#">9/15/2014</a>	\$41,875.45

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT:** Bid Package 2A

**PROJECT NUMBER:** SIFPDC-BP2A

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Limatorque Actuator	Spec	\$2,245.00	\$0.00	2A.8	\$ 28,700.00	7.82%	0.30%	2/10/2014	Approved	Specification change due to MESD levee district negative experience with spec'd material; spec change to alleviate possible future problems and for consistency with other bid packages
2	Additional Roadway Aggregate	Field	\$7,730.00	\$0.00	2A.3	\$ 141,200.00	5.47%	1.03%	3/18/2014	Approved	Required by Monroe County
3	Building Permit	Field	\$434.00	\$0.00	2A.1	\$ 36,200.00	1.20%	0.06%	3/4/2014	Approved	Required by Monroe County
4	Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	3/31/2014	Approved	Contract extended 90 days due to material fabrication delay
5	2nd Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	7/24/2014	Approved	Time extension request due to abnormal weather and high river level days that impeded construction
6	3rd Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	8/21/2014	Approved	Time extension request due to abnormal weather and high river level days that impeded construction
7	Additional Rock instead Pump Station and Pipe Testing T&M	Field	\$5,189.21	\$0.00	NA	NA	NA	0.69%	9/2/2014	Approved	Additional rock installed for maintenance purposes; Time and material for pipe testing needed
8	Pipe Extension on Stump Property	Field	\$65,200.00	\$0.00	NA	NA	NA	8.72%	9/29/2014	Pending	To enable property owner equipment access to property
<b>Total of Project Change Orders</b>			<b>\$15,598.21</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 15,598.21</b>

**Original Contract Amour Revised Contract Amount % Change from Original Amount**  
**\$747,500.00 \$763,098.21 2.09%**

**CONTRACT INVOICE LOG**

**Contractor:** Korte & Luitjohan Contractors, Inc  
 12052 Highland Road  
 Highland, IL 62249

**Project:** SWILCD  
**Construction Package:** BP2B

**Original Contract Amount:** \$3,865,405.00  
**Change Order #1:** \$434.00 Monroe County Building Permit  
**Change Order #2:** \$7,965.00 Additional Road Aggregate  
**Change Order #3:** \$0.00 Fence and Aggregate Changes  
**Change Order #4:** \$8,570.00 Razor Wire on Fence per MESD Request  
**Change Order #5:** \$0.00 Contract Time Extension  
**Change Order #6:** Pending Site 16 Duct Bank  
**Total Change Order Amount:** \$16,969.00  
**Total Revised Contract Amount:** \$3,882,374.00

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed and Store to Date	Cumulative Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage(\$)
1	2/5/2014	2/10/2014	\$51,750.00	\$5,175.00	\$46,575.00	\$46,575.00	<a href="#">2/18/2014</a>	\$3,835,799.00
2	3/6/2014	3/13/2014	\$132,450.00	\$13,245.00	\$119,205.00	\$72,630.00	<a href="#">3/25/2014</a>	\$3,763,169.00
3	3/31/2014	4/15/2014	\$504,300.00	\$50,430.00	\$453,870.00	\$334,665.00	<a href="#">4/22/2014</a>	\$3,428,504.00
4	4/30/2014	5/13/2014	\$846,000.00	\$84,600.00	\$761,400.00	\$307,530.00	<a href="#">5/22/2014</a>	\$3,120,974.00
5	5/31/2014	6/12/2014	\$1,295,000.00	\$129,500.00	\$1,165,500.00	\$404,100.00	<a href="#">6/19/2014</a>	\$2,716,874.00
6	6/30/2014	7/14/2014	\$1,736,000.00	\$173,600.00	\$1,562,400.00	\$396,900.00	<a href="#">7/17/2014</a>	\$2,319,974.00
7	7/31/2014	8/11/2014	\$2,180,100.00	\$205,850.00	\$1,974,250.00	\$411,850.00	<a href="#">8/19/2014</a>	\$1,908,124.00
8	8/31/2014	9/8/2014	\$2,927,440.00	\$243,217.00	\$2,684,223.00	\$709,973.00	<a href="#">9/15/2014</a>	\$1,198,151.00
9	9/30/2014	10/9/2014	\$3,144,000.00	\$255,524.00	\$2,888,476.00	\$204,253.00		\$993,898.00

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT** Bid Package 2B

**PROJECT NUMBER:** SIFPDC-BP2B

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Building Permit	Field	\$434.00	\$0.00	2B.1	\$ 32,720.00	1.33%	0.01%	2/24/2014	Approved	Required by Monroe County
2	Additional Roadway Aggregate	Field	\$7,965.00	\$0.00	2B.3	\$ 171,825.00	4.64%	0.21%	3/18/2014	Approved	Required by Monroe County
3	Site 10, 12, 15 fence and aggregate changes	Field	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/12/2014	Approved	Field changes to enable constructability and provide maintenance ease
4	Razor Wire on Fence	Other	\$0.00	\$8,570.00	NA	NA	NA	0.22%	8/19/2014	Approved	Razor wire on fence at Site 10, 12, & 16 per MESD Levee District request; To be paid by MESD
5	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/19/2014	Approved	Time extension for July 2014 weather/ high river days that empeded construction
6	Site 16 Duct Bank-pending \$50,600	Field	\$50,600.00	\$0.00	2B.55	\$ 23,990.00	210.92%	1.31%	9/29/2014	Pending	USACE required underground electrical service to pump station per Ameren; Ameren to credit FPD amount paid to Ameren for overhead lines; Board approval required
7	Site 12 Existing Force Mains-pending \$500,000	Field	\$500,000.00	\$0.00		\$ 488,670.00	102.32%	12.94%	10/10/2014	Pending	Site 12 was to reuse the existing force mains in lieu of removal and replacement of the lines, valve vault, and outfall structure. However the force mains failed the pressure testing. It is recommended to replace the force mains. The revised plan is to remove the existing 14-inch force mains and siphon break valve structure and replace with a new 16-inch ductile iron pipe (DIP) force main.
	Site 12 Time Extension	Other								Pending	Anticipated change order to extend contract time for Site 12 Pump Station only of Bid Package 2B due to USACE non-work period of March 15-Oct 15 in project area
<b>Total of Project Change Orders</b>			<b>\$8,399.00</b>	<b>\$8,570.00</b>						<b>Total</b>	<b>\$ 16,969.00</b>

**Original Contract Amour Revised Contract Amount % Change from Original Amount**  
**\$3,865,405.00 3,882,374.00 0.44%**



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT** Bid Package 03

**PROJECT NUMBER:** SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	IDOT Permit	Other	\$1,000.00	\$0.00	3.01	\$ 498,000.00	0.20%	0.01%	5/21/2014	Approved	IDOT Required Permit
2	Piezometer 39 Relocate	Field	\$16,600.00	\$0.00	3.30	\$ 307,224.00	5.40%	0.16%	9/18/2014	Approved	Post bid design change to enable more effective operability
3	Russell Commons Fence Remove and Replace	Field	\$11,361.00	\$0.00	NA	NA	NA	0.11%	10/2/2014	Pending	Remove and replace fence installed by property owner post bid
4	Additional Hydro Excavating	Field	\$2,245.60	\$0.00	3.39	\$ 1,884,009.24	0.12%	0.02%	10/8/2014	Pending	Due to the relocation of RW's 1077 to 1080; added costs for hydro excavation
5	RR3 Material for Blanket Drains-pending verifying material	Field		\$0.00	3.08-3.14	\$ 2,034,478.00	0.00%	0.00%	10/2/2014	Pending	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval
	Time Extension	Other								Pending	Anticipated change order to extend contract time due to land acquisition impact on construction
<b>Total of Project Change Orders</b>			<b>\$17,600.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 17,600.00</b>

**Original Contract Amour Revised Contract Amount % Change from Original Amount**  
**\$10,082,345.00 10,099,945.00 0.17%**

**CONTRACT INVOICE LOG**

**Contractor:** Haier Plumbing  
 301 North Elkton Street, P. O. Box 400  
 Okawville, IL 62271

**Project:** SWILCD  
**Construction Package:** BP04

**Original Contract Amount:** \$3,190,232.45  
**Change Order #1:** \$8,196.30 Flygt Pump & Locking Sewer Lids per MESD  
**Change Order #2:** \$949.90 Fence Polycarbonate  
**Change Order #3:** \$10,488.00 Fence Grounding per Ameren  
**Change Order #4:** \$1,533.00 2 Additional Posts in Concrete per Phillips 66 Request  
**Change Order #5:** \$2,127.35 Time and material for new fence grounding  
**Change Order #6:** \$2,402.40 Per MESD Request  
**Change Order #7:** \$0.00 Contract Time Extension  
**Change Order #8:** \$1,656.00 2" Well Point SS Pipe  
**Total Change Order Amount:** \$27,352.95  
**Total Revised Contract Amount:** \$3,217,585.40

<b>Payment Request No.</b>	<b>Pay Request Date</b>	<b>Pay Request Recommended Approval Date</b>	<b>Total Completed to Date (\$)</b>	<b>Amount Retained (10% to 50%) then (5% to 95%)</b>	<b>Total Earned Less Retained (\$)</b>	<b>Amount Invoiced (\$)</b>	<b>Date Paid by FPD</b>	<b>Estimate to Complete Including Retainage (\$)</b>
1	4/11/2014	4/15/2014	\$259,243.33	\$25,924.33	\$233,319.00	\$233,319.00	4/22/2014	\$2,984,266.40
2	6/11/2014	6/12/2014	\$269,731.33	\$26,973.13	\$242,758.20	\$9,439.20	6/19/2014	\$2,974,827.20
3	8/5/2014	8/11/2014	\$325,641.68	\$32,564.17	\$293,077.51	\$50,319.32	8/14/2014	\$2,924,507.89
4	10/1/2014	10/9/2014	\$970,413.05	\$97,041.31	\$873,371.75	\$580,294.24		\$2,345,869.65



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT** Bid Package 04

**PROJECT NUMBER:** SIFPDC-BP04

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Flyght Pump and Locking Sewer Lids	Other	\$0.00	\$8,196.30	4.27	\$ 222,500.00	3.68%	0.26%	3/11/2014	Approved	To be paid by MESD Levee District
2	PVC Fence Panel Fillers	Field	\$949.90	\$0.00	4.22	\$ 140,360.00	0.68%	0.03%	4/4/2014	Approved	To accommodate field condition
3	Furnish and Install Fence Grounding	Field	\$10,488.00	\$0.00	4.22	\$ 140,360.00	7.47%	0.33%	4/17/2014	Approved	Ameren required fence to be grounded; grounding to be every 200ft with 20ft ground rod
4	2 Additional Posts in Concrete per Phillips 66 Request	Field	\$1,533.00	\$0.00	4.22	\$ 140,360.00	1.09%	0.05%	6/17/2014	Approved	2 Additional posts per P66 request
5	Time and material for new fence grounding	Field	\$2,127.35	\$0.00	4.22	\$ 140,360.00	1.52%	0.07%	7/17/2014	Approved	Change order for additional grounding needed as requested by Phillips 66; Time and material
6	Razor Wire on Fence	Other	\$0.00	\$2,402.40	NA	NA	NA	0.08%	8/20/2014	Approved	Razor wire on fence at pump station per MESD Levee District request; to be paid by MESD Levee District
7	Time Extension Request for Fence Delay and High River	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	8/27/2014	Approved	Contract time extension of 43 working days due to security fence approval delay and high river level days that impeded construction
8	Well Point Stainless Steel Pipe diameter change 1-1/4" to 2"	Field	\$1,656.00	\$0.00	4.16	\$ 878,900.00	0.19%	0.05%	9/15/2014	Approved	Well point stainless steel pipe diameter change from 1-1/4" to 2" to improve operability/constructability.
<b>Total of Project Change Orders</b>			<b>\$16,754.25</b>	<b>\$10,598.70</b>						<b>Total</b>	<b>\$ 27,352.95</b>

**Original Contract Amour Revised Contract Amou % Change from Original Amount**  
**\$3,190,232.45 3,217,585.40 0.86%**



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT** Bid Package 05

**PROJECT NUMBER:** SIFPDC-BP05

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Locking Sewer Lids	Other	\$0.00	\$19,698.78	5.18-5.22	\$ 113,685.00	17.33%	0.24%	3/18/2014	Approved	To be paid by MESD Levee District
2	Gravity Drain Cleaning	Field	\$2,815.00	\$0.00	5.29	\$ 67,225.00	4.19%	0.03%	4/16/2014	Approved	Anticipated \$2,815.00 change to accommodate field condition and constructability
3	Rip Rap Survey	Field	\$1,224.14	\$0.00	NA	NA	NA	0.01%	6/18/2014	Approved	Operator and equipment cost for assistance with survey done on rip rap discovered on railroad embankment
4	Manhole JN1601 Extension	Field	\$683.99	\$0.00	5.21	\$ 9,325.00	7.34%	0.01%	7/18/2014	Approved	4ft extension due to BP05 and BP2B grade conflict
5	Relief Wells Rehabs	Other	\$91,815.00	\$0.00	NA	NA	NA	1.11%	8/18/2014	Pending	Relief well rehabilitations in the plans but were omitted from the bid tab
6	PZ Seal Modifications	Design	\$31,680.00	\$0.00	5.22	\$ 171,680.00	18.45%	0.38%		Pending	
7	Installation and testing 10" Relief Wells instead of 8" Wells	Design								Pending	
8	Contract Time Extension	Field								Pending	
<b>Total of Project Change Orders</b>			<b>\$4,723.13</b>	<b>\$19,698.78</b>						<b>Total</b>	<b>\$ 24,421.91</b>

<b>Original Contract Amount</b>	<b>Revised Contract Amount</b>	<b>% Change from Original Amount</b>
<b>\$8,256,481.84</b>	<b>8,280,903.75</b>	<b>0.30%</b>

**CONTRACT INVOICE LOG**

**Contractor:** The Lane Construction Corporation  
 90 Fieldstone Ct.  
 Cheshire, CT 06410-1212

**Project:** SWILCD                    56317001.008.0017  
**Construction Package:** BP06  
**Original Contract Amount:** \$12,857,127.75  
**Change Order #1:** \$0.00                  Spiral Wound Slip Lining  
**Change Order #2:** \$1,870.00              Bronze Survey Markers  
**Change Order #3:** \$132,809.60          Red Flint Filter Pack Material  
**Change Order #4:** \$12,040.40          Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"  
**Change Order #5:** \$29,566.29          SaniTite pipe upgrade and air testing on 30"-42" pipe  
**Change Order #6:** \$26,950.00          Vacuum testing manholes  
**Change Order #7:** \$205,863.75          Additional Pilot Hole Drilling & Additional Pilot Hole Sampling  
**Change Order #8:** \$4,210.00                  Raise to Grade Piezometer  
**Change Order #9:** \$9,504.00                  Modify Piezometer  
**Change Order #10:** \$18,339.63          12" Surface Aggregate  
**Change Order #11:** \$1,282,932.15      Relief Well Quantity Changes  
**Change Order #12:** Pending              Various Change for Board Approval  
**Total Change Order Amount:** **\$1,724,085.82**  
**Total Revised Contract Amount:** **\$14,581,213.57**

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	12/1/2013	12/9/2013	\$85,500.00	\$8,550.00	\$76,950.00	\$76,950.00	<a href="#">12/20/2013</a>	\$12,780,177.75
2	1/1/2014	2/10/2014	\$302,624.00	\$30,262.40	\$272,361.60	\$195,411.60	<a href="#">2/20/2014</a>	\$12,584,766.15
3	2/3/2014	2/10/2014	\$1,082,723.00	\$108,272.30	\$974,450.70	\$702,089.10	<a href="#">2/20/2014</a>	\$11,882,677.05
4	3/1/2014	3/14/2014	\$1,486,548.00	\$148,654.80	\$1,337,893.20	\$363,442.50	<a href="#">3/25/2014</a>	\$11,519,234.55
5	4/1/2014	4/16/2014	\$2,819,792.90	\$281,979.29	\$2,537,813.61	\$1,199,920.41	<a href="#">4/22/2014</a>	\$10,321,184.14
6	5/1/2014	5/13/2014	\$3,912,098.90	\$391,209.89	\$3,520,889.01	\$983,075.40	<a href="#">5/22/2014</a>	\$9,338,108.74
7	6/1/2014	6/10/2014	\$4,741,611.90	\$474,161.19	\$4,267,450.71	\$746,561.70	<a href="#">6/19/2014</a>	\$8,591,547.04
8	7/1/2014	7/14/2014	\$5,406,637.90	\$540,663.79	\$4,865,974.11	\$598,523.40	<a href="#">7/17/2014</a>	\$8,125,833.24
9	8/1/2014	8/8/2014	\$5,785,001.65	\$578,500.17	\$5,206,501.49	\$340,527.38	<a href="#">8/19/2014</a>	\$8,073,440.31
10	9/3/2014	9/5/2014	\$6,053,869.33	\$605,386.93	\$5,448,482.40	\$241,980.91	<a href="#">9/15/2014</a>	\$7,849,799.02
11	10/1/2014	10/3/2014	\$6,752,179.87	\$675,217.99	\$6,076,961.88	\$628,479.49		\$8,504,251.69

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council

**PROJECT NUMBER:** SIFPDC-BP06

**PROJECT:** Bid Package 06

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Spiral Wound (Slip-Lining)	Spec	\$0.00	\$0.00	6.20	\$ 1,629,000.00	0.00%	0.00%	2/27/2014	Approved	Specification change to coordinate and be consistent with material and methods used by Corps of Engineers
2	Bronze Survey Markers	Spec	\$1,870.00	\$0.00	6.40	\$ 1,039,884.00	0.18%	0.01%	3/18/2014	Approved	Specification change to make consistent with other bid packages. Comments back from Corps of Engineers on other bid packages but was missed on this bid package.
3	Red Flint Filter Pack	Spec	\$132,809.60	\$0.00	6.39 6.40	\$ 1,806,432.00	7.35%	1.03%	6/20/2014	Approved	Specification change as required by the Corp of Engineers. The change order cost of \$132,809.60 is based on original bid quantities and may increase based on final relief well design. If final quantizes result in increase of 10% above original line item, Board approval required
4	Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"	Spec	\$12,040.40	\$0.00	NA	NA	NA	0.09%	7/17/2014	Approved	Specification change to make consistent with other bid packages.
5	SaniTite pipe upgrade and air testing on 30"-42" pipe	Spec	\$29,566.29	\$0.00	6.25 6.26 6.27	\$ 149,797.00	19.74%	0.23%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
6	Vacuum testing manholes	Spec	\$26,950.00	\$0.00	NA	NA	NA	0.21%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
7	Additional Pilot Hole Drilling & Additional Pilot Hole Sampling	Design	\$205,863.75	\$0.00	6.38	\$ 251,775.00	81.76%	1.60%	7/17/2014	Approved	Design change to accommodate actually quantities. Bid quantities were very preliminary since no pilot holes were drilled at the time and Amec had not received the USACE design template for relief wells. Board approval required
8	Raise to Grade Piezometer	Field	\$4,210.00	\$0.00	6.45	\$ 21,050.00	20.00%	0.03%	7/17/2014	Approved	PZ 689L to be raised to grade to accommodate field conditions. Board approval required
9	Modify Piezometer	Field	\$9,504.00	\$0.00	6.43	\$ 132,960.00	7.15%	0.07%	7/18/2014	Approved	Modify piezometers to provide additional concrete
10	Surface Aggregate	Design	\$18,339.63	\$0.00	NA	NA	NA	0.14%	8/25/2014	Approved	12 inch Aggregate Surface Course, Type A" item for driveways and field access roads. This was not included in the original proposal and was added per detail on sheet CC-C513 and various plan sheets showing the locations.
11	Relief Well Quantity Change	Design	\$1,282,932.15	\$0.00	6.39 6.40	\$ 1,806,432.00	71.02%	9.98%	9/12/2014	Approved	Additional quantities required due to deeper pilot holes required to achieve necessary penetration. Board approval required.
12	Additional 50VF of Pilot Hole Drilling; Decrease RW Add Riser 1 EA; Add RW Abandonment 1 EA; PZ 679R Convert to Below Grade Piezometer; T&M Clay Cap Undercut	Field	\$37,935.66	\$0.00	6.09 6.38 6.42 6.46 6.32	\$ 575,290.00	6.59%	0.30%	10/10/2014	Pending	See change order summary presented to Board for review and approval in the October 15, 2014 Board Meeting
<b>Total of Project Change Orders</b>			<b>\$1,724,085.82</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 1,724,085.82</b>

<b>Original Contract Amount</b>	<b>Revised Contract Amount</b>	<b>Total % Change from Original Amount</b>
\$12,857,127.75	\$14,581,213.57	13.41%

All future change orders require Board approval





Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Budget and Disbursement Report for September 2014  
Date: October 13, 2014

Current Budget Highlights

Attached is the financial statement for September 2014 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending September 30, 2014, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2013 are \$35,447,353 while revenues amounted to \$12,033,838 resulting in a deficit of \$23,413,515. A total of approximately \$20,938,456 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for July 2014 (the latest month reported by the Illinois Department of Revenue) were up by 2.99% from the previous year. In general, receipts are up 2.68% from last year and continue to run between 2011 and 2012 levels.

Monthly Disbursements

Attached are lists of bank transactions for September 2014. Total disbursements for the month were \$3,070,402.01. The largest payments were to Lane Construction for BP #6, Korte & Luitjohan Contractors for BPs #2B, Keller Construction for BP #3 and BP #5, and Corps of Engineers for Cost Share in the Metro-East and Wood River Districts, and AMEC.

Recommendation:

Accept the budget report and disbursements for September 2014.

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

**GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES – BUDGET AND ACTUAL**

**TWELVE MONTHS ENDING SEPTEMBER 2014 AND 2013**





**CliftonLarsonAllen**

CliftonLarsonAllen LLP  
www.cliftonlarsonallen.com

Board Members  
Southwestern Illinois Flood Prevention District Council  
Collinsville, Illinois

We have compiled the accompanying General Fund Statement of Revenues and Expenditures – Budget and Actual of Southwestern Illinois Flood Prevention District Council (the “Council”) for the twelve months ended September 2014 and 2013. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statement on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide assurance that there are no material modifications that should be made to the financial statements. During our compilation we did become aware of departures from accounting principles generally accepted in the United States of America that are described in the following paragraph.

Management has omitted the management discussion and analysis. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context.

Management has not presented government-wide financial statements to display the financial position and changes in financial position of its governmental activity. Accounting principles generally accepted in the United States of America require the presentation of government-wide financial statements. The change in fund balance for the Council's governmental activity is not reasonably determinable.

Management has not presented a balance sheet for the general fund. Accounting principles generally accepted in the United States of America require the presentation of a balance sheet for each fund contained in the financial statements. The amounts that would be reported in a balance sheet of the general fund for the Council are not reasonably determinable.

Management has not presented a change in fund balance on the Statement of Revenues and Expenditures – Budget and Actual. Accounting principles generally accepted in the United States of America require the Statement of Revenues, Expenditures and Changes in Fund Balance include a presentation of changes in fund balance. The amounts that would be reported in government-wide financial statements for the Council's governmental activity is not reasonably determinable.

Management has also elected to omit substantially all of the disclosures required by generally accepted accounting principles. If the omitted disclosures were included with the financial statements, they might influence the user's conclusions about the Council's results of operations. Accordingly, these financial statements are not designed for those who are not informed about such matters.

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 2014 and 2013, have not been compiled or examined by us, and, accordingly, we do not express an opinion or any other form of assurance on them.

We are not independent with respect to Southwestern Illinois Flood Prevention District Council.

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

CliftonLarsonAllen LLP

St. Louis, Missouri  
October 8, 2014

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWELVE MONTHS ENDED SEPTEMBER 30, 2014 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2014 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,237,000	\$ 11,237,000	\$ 11,167,073	\$ 69,927
Interest Income	650,000	650,000	766,765	(116,765)
Other Contributions	-	-	100,000	(100,000)
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>12,033,838</u>	<u>(146,838)</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	4,000,000	4,000,000	4,453,600	(453,600)
Construction	60,000,000	60,000,000	15,779,225	44,220,775
Construction and design by US ACE	1,000,000	1,000,000	2,477,634	(1,477,634)
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>22,710,459</u>	<u>42,289,541</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	173,720	36,280
Diversity Program Manager	210,000	210,000	189,875	20,125
Construction Oversight	-	-	-	-
Other	-	-	2,856	(2,856)
Financial Advisor	40,000	40,000	25,426	14,574
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>391,877</u>	<u>168,123</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	2,763,768	(493,368)
Monroe County	220,800	220,800	275,887	(55,087)
St. Clair County	2,308,800	2,308,800	2,776,248	(467,448)
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>5,815,903</u>	<u>(1,015,903)</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	7,102,339	5,101
Federal Interest Subsidy	(910,140)	(910,140)	(844,610)	(65,530)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>6,257,729</u>	<u>(60,429)</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>35,175,968</u>	<u>41,381,332</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	205,850	(13,519)
Advertising	-	-	-	-
Bank Service Charges	600	600	1,514	(914)
Conference Registration	500	500	372	128
Equipment and Software	4,000	4,000	1,768	2,232
Fiscal Agency Services	23,000	23,000	39,400	(16,400)
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	28	972
Postage/Delivery	400	400	314	86
Printing/Photocopies	2,500	2,500	2,328	172
Professional Services	20,000	20,000	8,663	11,337
Publications/Subscriptions	250	250	2,124	(1,874)
Supplies	1,500	1,500	2,188	(688)
Telecommunications/Internet	2,000	2,000	3,307	(1,307)
Travel	15,000	15,000	2,548	12,452
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>271,385</u>	<u>(7,304)</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>35,447,353</u>	<u>41,374,028</u>
<b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b>				
	(64,934,381)	(64,934,381)	(23,413,515)	41,520,866
<b>OTHER FINANCING SOURCES</b>				
Proceeds From Borrowing	10,000,000	10,000,000	-	10,000,000
<b>NET CHANGE IN FUND BALANCE</b>	<u>\$ (54,934,381)</u>	<u>\$ (54,934,381)</u>	<u>\$ (23,413,515)</u>	<u>\$ 51,520,866</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWELVE MONTHS ENDED SEPTEMBER 30, 2013 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2013 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,639,000	\$ 11,639,000	\$ 11,085,753	\$ 553,247
Interest Income	960,000	960,000	802,308	157,692
Other Contributions	-	-	-	-
Total Revenues	<u>12,599,000</u>	<u>12,599,000</u>	<u>11,888,061</u>	<u>710,939</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	6,000,000	6,000,000	2,531,338	3,468,662
Construction	42,600,000	42,600,000	1,102,865	41,497,135
Construction and design by US ACE	1,400,000	1,400,000	790,000	610,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>50,000,000</u>	<u>50,000,000</u>	<u>4,424,203</u>	<u>45,575,797</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	251,047	(125,047)
Construction Oversight	160,000	160,000	20,266	139,734
Impact Analysis/Research	10,000	10,000	7,581	2,419
Financial Advisor	20,000	20,000	11,555	8,445
Bond Underwriter/Conduit Issuer	93,529	93,529	2,288	91,241
Total Professional Services	<u>409,529</u>	<u>409,529</u>	<u>292,737</u>	<u>116,792</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,955,782	2,955,782	2,115,582	840,200
Monroe County	280,157	280,157	200,617	79,540
St. Clair County	2,907,860	2,907,860	2,081,369	826,491
Total Refund of Surplus Funds to County	<u>6,143,799</u>	<u>6,143,799</u>	<u>4,397,568</u>	<u>1,746,231</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	7,102,439	5,001
Federal Interest Subsidy	(910,140)	(910,140)	(1,214,281)	304,141
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>5,888,158</u>	<u>309,142</u>
Total Operating Expenses	<u>62,750,628</u>	<u>62,750,628</u>	<u>15,002,666</u>	<u>47,747,962</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	188,508	3,823
Advertising	-	-	-	-
Bank Service Charges	420	420	576	(156)
Conference Registration	500	500	476	24
Equipment and Software	3,000	3,000	1,769	1,231
Fiscal Agency Services	23,000	23,000	22,150	850
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	29	971
Postage/Delivery	400	400	376	24
Printing/Photocopies	2,500	2,500	2,322	178
Professional Services	15,000	15,000	19,548	(4,548)
Publications/Subscriptions	250	250	2,250	(2,000)
Supplies	1,500	1,500	1,686	(186)
Telecommunications/Internet	2,000	2,000	2,150	(150)
Travel	15,000	15,000	9,222	5,778
Insurance	1,000	1,000	977	23
Total General & Administrative Costs	<u>257,901</u>	<u>257,901</u>	<u>252,039</u>	<u>5,862</u>
Total Expenditures	<u>63,008,529</u>	<u>63,008,529</u>	<u>15,254,705</u>	<u>47,753,824</u>
<b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b>				
	(50,409,529)	(50,409,529)	(3,366,644)	47,042,885
<b>OTHER FINANCING SOURCES</b>				
Proceeds From Borrowing	-	-	-	-
<b>NET CHANGE IN FUND BALANCE</b>	<u><u>\$ (50,409,529)</u></u>	<u><u>\$ (50,409,529)</u></u>	<u><u>\$ (3,366,644)</u></u>	<u><u>\$ 47,042,885</u></u>

# Flood Prevention District Sales Tax Trends 2009-2014

## 2009

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total	County Share
Madison	\$321,968	\$336,765	\$397,425	\$387,385	\$414,350	\$421,402	\$399,616	\$401,188	\$400,090	\$404,847	\$405,930	\$492,814	\$4,783,780	46.319%
St. Clair	\$337,979	\$362,696	\$424,556	\$398,395	\$419,126	\$438,230	\$411,968	\$410,484	\$429,852	\$412,637	\$446,806	\$581,721	\$5,074,450	49.134%
Monroe	\$31,641	\$32,903	\$37,830	\$38,757	\$41,326	\$40,847	\$37,817	\$37,497	\$38,652	\$42,270	\$40,332	\$49,755	\$469,627	4.547%
Total Month	\$691,588	\$732,364	\$859,811	\$824,537	\$874,802	\$900,479	\$849,401	\$849,169	\$868,594	\$859,754	\$893,068	\$1,124,290	\$10,327,857	
Cumulative Total	\$691,588	\$1,423,952	\$2,283,763	\$3,108,300	\$3,983,102	\$4,883,581	\$5,732,982	\$6,582,151	\$7,450,745	\$8,310,499	\$9,203,567	\$10,327,857		

## 2010

Madison	\$353,146	\$374,416	\$456,795	\$462,697	\$440,815	\$452,308	\$427,329	\$433,047	\$419,455	430,210	\$442,904	\$529,069	\$5,222,191	47.272%
St. Clair	\$367,458	\$399,480	\$464,089	\$439,748	\$439,139	\$458,299	\$421,447	\$423,718	\$424,971	\$429,581	\$457,927	587067	\$5,312,924	48.094%
Monroe	\$36,770	\$34,324	\$39,884	\$43,769	\$44,358	\$43,102	\$46,499	\$41,816	\$42,207	\$42,746	\$45,411	\$51,004	\$511,890	4.634%
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Cumulative Total	\$757,374	\$1,565,594	\$2,526,362	\$3,472,576	\$4,396,888	\$5,350,597	\$6,245,872	\$7,144,453	\$8,031,086	\$8,933,623	\$9,879,865	\$11,047,005		
% change/month	9.51%	10.36%	11.74%	14.8%	5.7%	5.9%	5.4%	5.8%	2.1%	5.0%	6.0%	3.8%		
% change/total	9.51%	9.95%	10.62%	11.72%	10.39%	9.56%	8.95%	8.54%	7.79%	7.50%	7.35%	6.96%	6.96%	

## 2011

Madison	\$380,021	\$383,976	\$460,129	\$454,562	\$466,904	\$477,396	\$436,637	\$473,303	\$448,256	\$444,204	\$455,842	\$538,000	\$5,419,230	48.108%
St. Clair	\$363,984	\$395,231	\$455,562	\$437,820	\$436,490	\$475,972	\$433,460	\$433,777	\$441,030	\$412,793	\$451,390	\$594,129	\$5,331,638	47.330%
Monroe	\$38,315	\$34,759	\$41,192	\$44,975	\$41,786	\$45,836	\$44,887	\$43,323	\$42,564	\$42,690	\$42,252	\$51,266	\$513,845	4.562%
Total Month	\$782,320	\$813,966	\$956,883	\$937,357	\$945,180	\$999,204	\$914,984	\$950,403	\$931,850	\$899,687	\$949,484	\$1,183,395	\$11,264,713	
Cumulative Total	\$782,320	\$1,596,286	\$2,553,169	\$3,490,526	\$4,435,706	\$5,434,910	\$6,349,894	\$7,300,297	\$8,232,147	\$9,131,834	\$10,081,318	\$11,264,713		
% change/month	3.29%	0.71%	-0.40%	-0.94%	2.26%	4.77%	2.20%	5.77%	5.10%	-0.32%	0.34%	1.39%		
% change/total	3.29%	1.96%	1.06%	0.52%	0.88%	1.58%	1.67%	2.18%	2.50%	2.22%	2.04%	1.97%	1.97%	

## 2012

Madison	\$381,470	\$406,476	\$473,049	\$471,191	\$481,989	\$477,254	\$427,562	\$434,603	\$428,193	\$428,521	\$429,127	\$523,240	\$5,362,675	47.481%
St. Clair	\$361,727	\$415,491	\$468,490	\$432,173	\$468,782	\$473,567	\$425,923	\$441,838	\$438,184	\$424,289	\$454,916	\$589,183	\$5,394,563	47.763%
Monroe	\$37,471	\$38,904	\$46,086	\$46,051	\$46,231	\$45,671	\$43,063	\$45,307	\$45,641	\$46,230	\$45,429	\$51,062	\$537,146	4.756%
Total Month	\$780,668	\$860,871	\$987,625	\$949,415	\$997,002	\$996,492	\$896,548	\$921,748	\$912,018	\$899,040	\$929,472	\$1,163,485	\$11,294,384	
Cumulative Total	\$780,668	\$1,641,539	\$2,629,164	\$3,578,579	\$4,575,581	\$5,572,073	\$6,468,621	\$7,390,369	\$8,302,387	\$9,201,427	\$10,130,899	\$11,294,384		
% change/month	-0.21%	5.76%	3.21%	1.29%	5.48%	-0.27%	-2.01%	-3.02%	-2.13%	-0.07%	-2.11%	-1.68%		
% change/total	-0.21%	2.83%	2.98%	2.52%	3.15%	2.52%	1.87%	1.23%	0.85%	0.76%	0.49%	0.26%	0.26%	

## Flood Prevention District Sales Tax Trends 2009-2014

**2013**

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$375,398	\$383,170	\$424,507	\$425,469	\$457,212	\$451,494	\$436,686	\$442,449	\$430,541	\$429,499	\$432,541	\$500,233	\$5,189,199
St. Clair	\$381,645	\$395,527	\$449,397	\$434,001	\$457,942	\$462,603	\$422,892	\$432,195	\$430,014	\$419,350	\$448,076	\$560,165	\$5,293,807
Monroe	\$37,888	\$39,679	\$45,689	\$45,913	\$48,212	\$47,694	\$42,672	\$45,143	\$44,733	\$44,723	\$47,111	\$53,853	\$543,310
Total Month	\$794,931	\$818,376	\$919,593	\$905,383	\$963,366	\$961,791	\$902,250	\$919,787	\$905,288	\$893,572	\$927,728	\$1,114,251	\$11,026,316
Cumulative Total	\$794,931	\$1,613,307	\$2,532,900	\$3,438,283	\$4,401,649	\$5,363,440	\$6,265,690	\$7,185,477	\$8,090,765	\$8,984,337	\$9,912,065	\$11,026,316	
% change/month	1.83%	-4.94%	-6.89%	-4.64%	-3.37%	-3.48%	0.64%	-0.21%	-0.74%	-0.61%	-0.19%	-4.23%	
% change/total	1.83%	-1.72%	-3.66%	-3.92%	-3.80%	-3.74%	-3.14%	-2.77%	-2.55%	-2.36%	-2.16%	-2.37%	-2.37%

**2014**

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$373,895	\$383,909	\$456,964	\$457,729	\$484,657	\$491,911	\$455,629						\$3,104,695
St. Clair	\$354,762	\$395,885	\$460,143	\$436,379	\$458,819	\$470,546	\$426,263						\$3,002,797
Monroe	\$42,321	\$39,665	\$47,587	\$47,796	\$52,206	\$49,022	\$47,357						\$325,954
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249						\$6,433,446
Cumulative Total	\$770,978	\$1,590,437	\$2,555,131	\$3,497,036	\$4,492,718	\$5,504,197	\$6,433,446						
% change/month	-3.01%	0.13%	4.90%	4.03%	3.35%	5.17%	2.99%						
% change/total	-3.01%	-1.42%	0.88%	1.71%	2.07%	2.62%	2.68%						



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
SUPPLEMENTARY SUPPORTING SCHEDULE  
BANK TRANSACTIONS  
September 30, 2014**

Beginning Bank Balance September 1		\$	418,655.89
Receipts			
UMB	09/03/2014 Funds Transfer Construction	143,368.36	
UMB	09/12/2014 Funds Transfer Construction	1,423,169.48	
UMB	09/15/2014 Funds Transfer Admin	8,322.89	
UMB	09/18/2014 Funds Transfer Construction	1,451,660.88	
UMB	09/22/2014 Funds Transfer Admin	7,422.24	
The Bank of Edwardsville	09/30/2014 Interest September	160.85	<b>3,034,104.70</b>
Disbursements			
Juneau Associates	09/02/2014 Design & Construction	4,139.96	
Juneau Associates	09/02/2014 Design & Construction	757.63	
ABNA	09/02/2014 Design & Construction	55,405.10	
Ameren Illinois	09/02/2014 Design & Construction	70,288.94	
Juneau Associates	09/02/2014 Design & Construction	2,776.73	
Metroeast Park and Recreation District	09/02/2014 Telecommunication/Internet	720.00	
The Bank-Service Fees	09/03/2014 Wire Fee	10.00	
AT&T Midwest	09/10/2014 Design & Construction	81,276.64	
CliftonLarsonAllen LLP	09/10/2014 Professional Services	1,975.75	
Columbia Capital	09/10/2014 Fiscal Agent	600.00	
Smith Dawson & Andrews	09/10/2014 Professional Services	5,000.00	
The Bank-Service Fees	09/12/2014 Wire Fee	10.00	
The Bank-Service Fees	09/12/2014 Wire Fee	10.00	
Keller Construcion Inc	09/15/2014 Design & Construction	113,460.15	
Korte & Luitjohan Contractors Inc	09/15/2014 Construction	5,189.21	
Keller Construcion Inc	09/15/2014 Design & Construction	271,289.57	
Korte & Luitjohan Contractors Inc	09/15/2014 Construction	709,973.00	
The Lane Construction Corporation	09/15/2014 Construction	241,980.91	
The Bank-Service Fees	09/15/2014 Wire Fee	15.00	
The Bank-Service Fees	09/15/2014 Wire Fee	15.00	
The Bank-Service Fees	09/15/2014 Wire Fee	15.00	
AT&T	09/16/2014 Office Phone	91.74	
AMEC Earth & Environmental, Inc.	09/18/2014 Construction	296,560.38	
Columbia Capital	09/18/2014 Fiscal Agent	7,132.50	
Cost Less Copy Center	09/18/2014 Board Member Materials	198.00	
FAO, USAED, St. Louis(B3)	09/18/2014 Design & Construction	812,750.00	
Husch Blackwell Sanders	09/18/2014 Construction	29,235.50	
Koch Nitrogen Company LLC	09/18/2014 Easements	18,300.00	
Marks & Associates	09/18/2014 Fiscal Agent	14,565.00	
FAO, USAED, St. Louis(B3)	09/18/2014 Design & Construction	280,250.00	
Dorgan, McPike & Assoc, LTD	09/18/2014 Professional Services	3,000.00	
The Bank-Service Fees	09/18/2014 Wire Fee	10.00	
The Bank-Service Fees	09/18/2014 Wire Fee	10.00	
ABNA.	09/22/2014 Design & Construction	34,995.70	
ABNA.	09/22/2014 Design & Construction	1,150.00	
CDW Government	09/22/2014 Office Supplies	150.52	
LabelValue.com	09/23/2014 Office Supplies	14.72	
Village of East Alton	09/30/2014 Easements	7,000.00	
The Bank-Service Fees	09/30/2014 Wire Fee	15.00	
The Bank-Service Fees	09/30/2014 Wire Fee	15.00	
The Bank-Service Fees	09/30/2014 Wire Fee	15.00	
The Bank-Service Fees	09/30/2014 Wire Fee	15.00	
The Bank-Service Fees	09/30/2014 Bank service charges	19.36	
			<b>3,070,402.01</b>
		\$	<b>382,358.58</b>





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Fiscal Agent  
Date: October 13, 2014

CliftonLarsonAllen has served as the fiscal agent for the Council since being selected from competitive proposals in 2011.

CliftonLarsonAllen has done an excellent job, providing the following services:

- Maintain general ledger, fixed assets ledger, accounts receivable, general journal, and accounts payable.
- Review invoices for services provided to the Council prior to payment to determine compliance with the Council's contracts, agreements and policies.
- Prepare invoices and funding requests to bond Trustee, county treasurers, or other agencies or entities, as authorized by the Council, to pay expenses.
- Receive payments from the bond Trustee, counties or other agencies or entities on Council's behalf and prepare payments of invoices for execution by Council staff or Board members.
- Prepare regular statements of financial activity, including monthly statements showing accrued expenditures, budget comparisons, and disbursements, for Council Board meetings.
- Provide the Council and auditors with information and financial statements required for annual audits.
- Assist in developing annual Council budget.

CliftonLarsonAllen has proposed a monthly fee of \$2,100 a month with a fee of \$2,000 for assistance with the audit for a total fee of \$27,200 for FY 2015. The cost for the FY2014 was \$25,400. I should add that the number of checks written in FY2014 more than doubled the amount in FY2013, and this trend should continue into FY2015.

With their knowledge and experience of performing as our fiscal agent and working with our auditor, I believe that it would be prudent to extend our engagement with CliftonLarsonAllen to act as our fiscal agent for the next year.

Recommendation: Authorize the Chief Supervisor to engage CliftonLarsonAllen to act as the Council's fiscal agent for the next year at a cost not to exceed \$27,200.



Memo to: Board of Directors  
 From: Chuck Etwert  
 Subject: Change Orders BP #6 & BP #2B  
 Date: October 13, 2014

Per the Board’s Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board. Board approval is also required on all change orders if the total of all change orders on a project exceed ten percent of a project’s original cost, which is the current situation with BP #6.

We have three change order that AMEC will be explaining.

1. **Bid Package 06** Change Order 12 – Various Changes as described below **\$37,935.66.**

#	Description	Cost
I	Decrease Relief Well Add Risers Pay Item by 1 EA	-\$6,500.00
II	Increase Relief Abandonments Pay Item by 1 EA	\$3,250.00
III	Additional 50VF of Pilot Hole Drilling (\$67.50 x 50VF)	\$3,375.00
IV	Increase CMP 12" Pipe 1 LF	\$60.00
V	Convert PZ-679R to Below Grade (RFI 26)	\$3,460.00
VI	T&M Clay Cap Undercut	\$34,290.66
<b>TOTALS</b>		<b>\$37,935.66</b>

- I. There is a decrease of Relief Well Add Risers and increase Relief Abandonments due to additional RW-3 abandonment because of to severe deterioration. Upon field inspection of Relief Well 3, the conditions of the relief well showed more deterioration and damage than was originally expected. Instead of adding a riser to this relief well – located in a new seepage berm, the riser was to maintain access to the well - we are requesting that RW3 be abandoned. Geotechnical analysis showed the new seepage berm in the area of RW3 will be adequate for seepage control. Decrease Relief Well Add Risers is (-\$6,500.00) *This change will result in a net \$3,250 savings*

- II. Increase Relief Abandonment instead of adding a riser to this relief well (RW-3) – located in a new seepage berm, the riser was to maintain access to the well - we are requesting that RW3 be abandoned. (\$3,250.00)
  - III. An additional 50VF of Pilot Hole Drilling was necessary due to field conditions. The additional 50' needed for a change order is from 40' of additional drilling on the pilot hole for RW-22B, and 10' for pilot hole for RW-200X. At the time of change order 7, it was assumed that RW-200X would be 90' because the pilot hole for RW-145A (the relief well on the south side of the 84" culverts) was drilled at 90'. As per the previous change order the cost is \$67.50/VF x 50ft (\$3,375.00).
  - IV. Increase CMP 12" Pipe on Pulcher Driveway to address concern with the ends being crushed and the area will no longer drain. Contractor to switch the culvert and end sections at Pulcher's Driveway from CMP to RCP using the contract unit prices for the CMP (\$60.00)
  - V. Convert PZ-679R to Below Grade because piezometer is located close to the road and will be converted to below grade to prevent damage. The concern from the levee district is it may be a hazard to traffic as well as incur damage. The change involves a 3' concrete seal and a 1' slab as opposed to a 4' seal and 1' slab with minor modification. (\$3,460.00)
  - VI. T&M clay cap undercut the instability of the keyway at the clay cap from STA 324 to STA 331. Contractor was directed to replace the undercut 3 ft. with random fill material or clay cap material. The purpose being to bridge the unstable material and provide a working subgrade for clay cap construction. The undercut area will be quantified and recorded on the daily QAR. The contractor will also drain any standing water in the other clay cap areas to attempt to minimize potential undercut quantities. (\$34,290.66)
2. **Bid Package 2B** – Change Order 6 Site 16 for Duct Bank and Change Order 7 for Site 12 Existing Force Mains **\$550,600.00.**
- I. Bid Package 2B – Change Order 6 Site 16 Duct Bank. Ameren Electric was originally installing overhead power poles to the site 16 pump structure. Recently, USACE has denied Ameren's request to run overhead lines as indicated below and has mandated that the portion of the line must be run underground for flood fighting activates. Ameren will not install this underground duct bank. Therefore the contractor provided an estimate to furnish and install (2) 4" PVC conduits encased in flowable fill as shown as shown on drawing CB-P167, CB-P168, CB-P169, CB-P170 and CB-P501 Revision #6 dated 9/11/14. This includes backfilling with spoils from the excavation of the duct bank. Ameren has been paid \$114,503.20 and their revised

estimate is \$93,485. *Ameren will supply a credit of \$21,018.00.* The contractor has provided a price of \$50,600 to perform this work. (\$50,600)

It should be noted that this change order is the result of the USACE changing their requirements.

- II. Bid Package 2B – Change Order 7 for Site 12 Existing Force Mains – GCED #1 Pump Station (Levee Station 783+01) The design intent for Bid Package 2B – Pump Station Site 12 was to reuse the existing 14-inch steel force mains in lieu of removal and replacement of the lines, valve vault, and outfall structure. Due to the existing pipe's age, recently a hydrostatic pressure testing (per AWWA M11) was conducted and it was determined that the East force main was leaking. It was assumed that the West force main was in similar condition. Since the location of the leak is unknown, it is recommended to replace the force mains.

The revised plan is to remove the existing 14-inch force mains and siphon break valve structure and replace with a new 16-inch ductile iron pipe (DIP) force main. The proposed force main would be placed at the same invert as the existing pipe. The existing sub-base would be compacted to 95% of modified proctor before any new bedding or pipe is placed. The critical elevation for the system is at the crest of the levee. On 22 August 2014, the existing pipes were uncovered at the crest of the levee to determine the existing invert of the pipe. It was determined that the invert of the existing 14-in pipe is at 438.47 (NAVD 1988) which does not match the invert shown on the as-built drawing (Drawing No. 329.1423) of 440.00 (NAVD 1929) even with the adjustment of 0.11' to convert from NAVD 1929 to NAVD 1988. The intent is to match the existing pipe invert with the proposed pipe.

The valve structure would be replaced due to its size and location however the existing outfall structure would be reused. The outfall structure would be core drilled with a 20-inch hole, centered on the existing pipe outfall locations, to allow for the new 16-inch DIP. The opening around the new pipe would be filled with an expandable pipe penetration (PROCO PEN-SEAL PS-425 or equal). The force main would be restrained with a thrust block behind the wall to not exhibit any force to the existing structure from the force mains.

The overall design of the pump station would be changed from a siphon assist system to a vent system to be consistent with the other proposed pump stations for this project within the MESD Levee system. No changes have been made to the pump selections. The contractor has verbally indicated the price might be as high as \$500,000. The contractor should submit his formal bid this week. AMEC will review the bid for cost acceptability. In order to avoid delays, authorization of the funds is requested now. If an acceptable cost cannot be reached, the change order will be bid.

I have reviewed each change order and recommend approval.

Recommendation: Authorize the Chief Supervisor to approve BP #6 Change Order 12 –Various Changes for \$37,935.66, BP #2B Change Order 6 – Site 16 Duct Bank for \$50,600 and BP #2B Change Order 7 –Site 12 Existing Force Mains for an estimated \$500,000. Total cost of all of these change orders not to exceed \$588,535.66.



Memo to: Board of Directors

From: Chuck Etwert

Subject: In-Kind Credit Memorandum of Understanding (MOU)  
Wood River Levee System

Date: October 13, 2014

On October 1, 2014, the Flood Prevention District made a written request to the Corps of Engineers to amend our Project Partnership Agreement (PPA) for the Supplemental Design Deficiency Corrections for the Wood River Levee System to allow for the crediting of in-kind contributions by the non-federal sponsors as allowed by the recently passed Water Resources and Development Act (WRRDA). The request involves the \$13,700,000 that will be spent by the FPD on BP #7A and BP #7B. A copy of the request was e-mailed to each of you.

One of the conditions of WRRDA is that the PPA include the language to receive credit prior to the issuance of “notice to proceed” and “initiation of construction” of a project have occurred. The “notice to proceed” and “initiation of construction” has been occurred on the BP #7A project and the “notice to proceed” is eminent on BP #7B. Since amendment of a PPA is a time consuming process, the Corps has offered to use a Memorandum of Understanding (MOU) process for the Wood River Levee System, which could bridge the time until the PPA could be amended. The Corps believes this will allow at least BP #7B to qualify for in-kind credit. Approval of BP #7A is in doubt due to the “notice to proceed” already being issued and minor construction having already started.

The MOU is still being formulated, but to save time I am asking for the authorization to enter into the agreement once it is completed, in order, to allow for in-kind credits towards future flood protection projects.

A preliminary draft is attached to provide you with some indication of what the document will look like when finalized.

**Recommendation:** Authorize the Chief Supervisor to enter into a Memorandum of Understanding with the Corps of Engineers for the amendment to the Project Partnership

Agreement for the Construction of the Supplemental Design Deficiency Corrections in the Wood River Levee System to allow for the approval of in-kind credit.



MEMORANDUM OF UNDERSTANDING  
BETWEEN  
THE DEPARTMENT OF THE ARMY  
AND THE WOOD RIVER DRAINAGE AND LEVEE DISTRICT AND  
THE SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
FOR WORK PROVIDED OR PERFORMED  
PRIOR TO EXECUTION OF  
AN AMENDMENT TO THE  
PROJECT PARTNERSHIP AGREEMENT  
FOR  
CONSTRUCTION OF THE SUPPLEMENTAL DESIGN DEFICIENCY  
CORRECTIONS FOR  
WOOD RIVER LEVEE SYSTEM, MADISON COUNTY, ILLINOIS

THIS MEMORANDUM OF UNDERSTANDING (hereinafter the “MOU”) is entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the Department of the Army (hereinafter the “Government”), represented by the U.S. Army Engineer, St. Louis District (hereinafter the “District Engineer”), and the Wood River Drainage and Levee District (hereinafter “Wood River D&LD”), represented by the President, and Southwestern Illinois Flood Prevention District Council (hereinafter “SW IL FPDC”), represented by the Chief Supervisor of Construction and the Works (Wood River and SW IL FPDC when referred to collectively are referred to as the “Non-Federal Interest”).

WITNESSETH, THAT:

WHEREAS, Section 221(a) of the Flood Control Act of 1970, as amended by Section 1018 of the Water Resources Reform and Development Act of 2014, provides that a cost sharing partnership agreement may provide credit for the value of materials or services provided before the execution of such cost sharing partnership agreement if the Secretary and the non-Federal interest enter into an agreement under which the non-Federal interest shall carry out such work and only work carried out following the execution of such agreement shall be eligible for credit;

WHEREAS, the Non-Federal Interest understands and acknowledges that any credit for eligible in-kind contributions will be afforded only toward the required non-Federal contribution of funds (i.e. cash contribution) under the Project Partnership Agreement for the project or separable element of the project except such credit will not be afforded toward the non-Federal requirement to provide in cash 5 percent of the costs allocated to structural flood damage reduction; and

WHEREAS, by letter dated October 1, 2014\_\_\_\_\_, the Non-Federal Interest stated its intent to perform certain work (hereinafter the “Proposed Work”, as defined in Paragraph 1 of this MOU) prior to the execution of an amendment to the Project Partnership Agreement for the Supplemental Design Deficiency Corrections at the Wood River Levee System, Madison County , Illinois.

NOW, THEREFORE, the Government and the Non-Federal Interest agree as follows:

1. The Non-Federal Interest shall provide or perform the Proposed Work in accordance with the terms and conditions of this MOU. The Proposed Work shall consist of a combination of cutoff walls, berms and other levee related improvements as defined in the Wood River Levee System Limited Reevaluation Report for Design Deficiency Corrections, approved August 31, 2011, and determined to be integral to the Project per the Integral Determination Report.
2. The Non-Federal interest shall develop all necessary engineering plans and specifications for the Proposed Work.
3. The Non-Federal Interest shall complete all necessary environmental coordination and obtain all applicable Federal, State, and local permits required for the performance of the Proposed Work.
4. The Non-Federal Interest shall comply with the applicable provisions of the Uniform Relocation Assistance and Real Property Acquisition Policy Act of 1970, Public Law 91-646, as amended (42 U.S.C. 4601-4655), and the Uniform Regulations contained in 49 C.F.R. Part 24, in acquiring lands, easements, and rights-of-way required for construction and subsequent operation and maintenance of the Proposed Work, and inform all affected persons of applicable benefits, policies, and procedures in connection with said Act.
5. Nothing in this MOU creates any duty, obligation, or responsibility for the Government. Any activity undertaken by the Non-Federal Interest for the implementation of the Proposed Work is solely at the Non-Federal Interest's own risk and responsibility.
6. The Non-Federal Interest shall keep books, records, documents, and other evidence pertaining to costs and expenses incurred pursuant to this MOU to the extent and in such detail as will properly reflect total costs for the Proposed Work and the Non-Federal Interest shall make such evidence available for inspection and audit by authorized representatives of the Government.
7. The Non-Federal Interest understands that any costs incurred for the clean-up of hazardous material regulated by the Comprehensive Environmental Response, Compensation, and Liability Act (hereinafter "CERCLA"; 42 U.S.C. Sections 9601-9675), that may exist in, on, or under lands, easements, or rights-of-way required for the Proposed Work are a Non-Federal Interest responsibility and that no credit shall be afforded for such clean-up costs. In addition, the Non-Federal Interest understands that as between the Government and the Non-Federal Interest, the Non-Federal Interest shall be considered the operator of the Proposed Work for the purposes of CERCLA liability. To the maximum extent practicable, the Non-Federal Interest shall operate, maintain, repair, replace, and rehabilitate the Proposed Work in a manner that will not cause liability to arise under CERCLA.

8. The parties to this MOU shall each act in an independent capacity in the performance of their respective functions under this MOU, and neither party is to be considered the officer, agent, or employee of the other.

9. The Non-Federal Interest understands that to be eligible for credit for the costs of the Proposed Work:

a. The Government must make a determination that the Proposed Work is integral to the project;

b. The Proposed Work shall be subject to a review or on-site inspection, as applicable, and certification by the Government that the work was accomplished in a satisfactory manner and in accordance with applicable Federal laws, regulations, and policies;

c. The costs for the Proposed Work that may be eligible for credit shall be subject to an audit by the Government to determine the reasonableness, allocability, and allowability of such costs;

d. The costs incurred for the Proposed Work are not subject to interest charges, nor are they subject to adjustment to reflect changes in price levels between the time the Proposed Work is completed and the time that credit may be afforded;

e. The Non-Federal Interest shall not use Federal program funds (either funds or grants provided by a Federal agency as well as any non-Federal matching share or contribution that was required by such Federal agency for such program or grant) for the Proposed Work unless the Federal agency providing the Federal portion of such funds verifies in writing that expenditure of such funds for such purpose is expressly authorized by Federal law;

f. Only the costs of the Proposed Work that do not exceed the Government's estimate of the cost of such work if the work been accomplished by the Government may be eligible for credit;

g. Any contract awarded for the Proposed Work shall include provisions consistent with all applicable Federal laws and regulations and the Non-Federal Interest shall comply with all applicable Federal and State laws and regulations, including, but not limited to Section 601 of the Civil Rights Act of 1964, Public Law 88-352 (42 U.S.C. 2000d), and Department of Defense Directive 5500.11 issued pursuant thereto, as well as Army Regulation 600-7, entitled "Nondiscrimination on the Basis of Handicap in Programs and Activities Assisted or Conducted by the Department of the Army";

h. The Non-Federal Interest must comply with applicable Federal labor laws covering non-Federal construction, including but not limited to, 40 U.S.C. 3141-3148 and 40 U.S.C. 3701-3708 (revising, codifying and enacting without substantive change the provisions of the Davis-Bacon Act (formerly 40 U.S.C. 276a *et seq.*), the Contract Work

Hours and Safety Standards Act (formerly 40 U.S.C. 327 *et seq.*), and the Copeland Anti-Kickback Act (formerly 40 U.S.C. 276c)); and

i. Crediting for the costs of the Proposed Work may be withheld, in whole or in part, as a result of the Non-Federal Interest's failure to comply with the terms of this MOU.

10. If the parties agree to enter into an Amendment to the Project Partnership Agreement for the Design Deficiency Corrections on the Wood River Levee System in Madison County, Illinois, then the Amendment to the Project Partnership Agreement will contain provisions regarding affording credit for costs of the Proposed Work, if the Secretary determines that the Proposed Work is integral to the project.

11. Execution of this MOU shall not be interpreted as a Federal assurance regarding later approval of any project; shall not commit the United States to any type of reimbursement or credit for the Proposed Work; does not alter any process to be followed by the Government in making a determination to execute a future Project Partnership Agreement; nor does it provide any assurance that any future agreement will ever be executed for the project, the Proposed Work, or any portion of the project. Further, this MOU shall not be interpreted to signify any Federal participation in or commitment to the project or the Proposed Work. Finally, this MOU shall not be construed as committing the Government to assume any responsibility placed upon the Non-Federal Interest or any other non-Federal entity or as preventing the Government from modifying the project that could result in the Proposed Work performed by the Non-Federal Interest no longer being an integral part of the design of the project.

IN WITNESS WHEREOF, the parties hereto have executed this MOU, which shall become effective upon the date it is signed by the District Engineer.

DEPARTMENT OF THE ARMY

SOUTHWESTERN ILLINOIS FLOOD  
PREVENTION DISTRICT COUNCIL

BY: \_\_\_\_\_

Anthony P. Mitchell  
Colonel, U.S. Army  
District Commander

BY: \_\_\_\_\_

Charles M. Etwert  
Chief Supervisor of Construction and  
the Works

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

WOOD RIVER DRAINAGE AND LEVEE  
DISTRICT

BY: \_\_\_\_\_  
Steve Kochan  
President

DATE: \_\_\_\_\_

CERTIFICATE OF AUTHORITY

I, Robert Sprague, do hereby certify that I am the principal legal officer of the Southwestern Illinois Flood Prevention District Council, that the Southwestern Illinois Flood Prevention District Council is a legally constituted public body with full authority and legal capability to perform the terms of the MOU between the Department of the Army, The Wood River Drainage and Levee District, and the Southwestern Illinois Flood Prevention District Council in connection with the Proposed Work to be provided or performed prior to execution of an Amendment to the Project Partnership Agreement for the Supplemental Design Deficiency Corrections of Wood River Levee System in Madison County, Illinois and that the persons who have executed this MOU on behalf of the Southwestern Illinois Flood Prevention District Council have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

\_\_\_\_\_  
Robert Sprague  
Attorney for the Southwestern  
Illinois Flood Prevention District Council

CERTIFICATE OF AUTHORITY

I, Rene Butler, do hereby certify that I am the principal legal officer of the Wood River Drainage and Levee District, that the Wood River Drainage and Levee District is a legally constituted public body with full authority and legal capability to perform the terms of the MOU between the Department of the Army, The Wood River Drainage and Levee District, and the Southwestern Illinois Flood Prevention District Council in connection with the Proposed Work to be provided or performed prior to execution of an Amendment to the Project Partnership Agreement for the Supplemental Design Deficiency Corrections of Wood River Levee System in Madison County, Illinois and that the persons who have executed this MOU on behalf of the Wood River Drainage and Levee District have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

\_\_\_\_\_  
Rene Butler  
Attorney  
Wood River Drainage and Levee District