



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
**February 18, 2015 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 January 21, 2015
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 Foster Wheeler Environment & Infrastructure*
7. Change Orders – BP #3 & BP #6  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
8. Amec Foster Wheeler Work Order No.11 FEMA Certification Submittals  
*Chuck Etwert, Chief Supervisor*
9. 500-Year (Authorized Level) Flood Protection Resolution  
*Chuck Etwert, Chief Supervisor*
10. Update from Corps of Engineers  
*Tracey Kelsey, U.S. Army Corps of Engineers*

AGENDA

11. Public Comment

Executive Session (if necessary)

12. Other Business

13. Adjournment

**Next Meeting: March 18, 2015**

## MINUTES

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

January 21, 2015

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 January 21, 2015.

#### 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)  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
Tom Long, Madison County Flood Prevention District  
Ron Motil, Madison County Flood Prevention District  
Bruce Brinkman, Monroe County Flood Prevention District  
Ronald Polka, Monroe County Flood Prevention District

#### Members Absent

Paul Bergkoetter, St. Clair County Flood Prevention District

#### Others in Attendance

Alan Dunstan, Madison County Board Chair  
Terry Liefer, Monroe County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
Matt Barriger, BarberMurphyGroup  
Rich Conner, Levee Issues Alliance  
Tim Eagleton, FM Global  
Bobby Green, Laborers Local #100  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Charles Juneau, Juneau Associates  
Ronald S. Kaempfe, IUOE Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Jay Martin, AMEC Environment & Infrastructure  
Rick Mauch, SCI Engineering  
David Oates, Oates Associates  
Jon Omvig, AMEC Environment & Infrastructure  
Joe Parente, Madison County  
Glyn Ramage, Southwestern Illinois Laborers District Council  
Matt Rice, Congressman Mike Bost  
Cas Sheppard, SMS Engineers  
Brennen Soval, Husch Blackwell LLP  
Dale Stewart, Southwestern Illinois Building Trades Council

Steven Tomaszewski, Congressman John Shimkus  
Dan Wilson, KdG

### **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 December 17, 2014**

A motion was made by Dan Maher, seconded by Jim Pennekamp, to approve the minutes of the Board meeting held on December 17, 2014. Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved.

President Conrad asked that the record show that Chairman Dunstan and Chairman Kern have both indicated that they will not be able to attend the meeting today, and that Board member Bergkoetter was called away on a business emergency.

### **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. He reported that the easements needed from the American Oil Company and the remaining individual have finally been obtained. Easements are still required from one owner, Union Pacific Railroad, involving 3 parcels on the BP #3 construction project. As previously mention, the delay in obtaining these easements and others on the BP #7B project will have an effect on completion times and possible costs of these projects. He indicated that an executive session at the end of the meeting to discuss real estate would be needed.

Approximately 52% of the \$45.0 million of construction, involved in the seven construction bid packages that have started, has been completed thru December 31st. With 2.66 million dollars' worth of construction completed in December, the total amount of construction completed is now \$23.3 million.

He indicated that there were three change orders on this month's agenda, all involving construction obstructions being encountered during Relief Well construction on Bid Packages #4, #5, and #6., with AMEC explaining them later in the meeting.

On December 23<sup>rd</sup>, the FPD received a request from the Corps of Engineers to resend our request for In-Kind Credit for the Non-Federal Design and Construction of Supplemental Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project and the Prairie Du Pont – Fish Lake Flood Protection System in Southwestern Illinois. The Corps requested an updated letter that included a brief description of the work to be considered for credit. It also requested, that the original request be separated into two requests, one for each project. Revised requests (previously e-mailed to each Board member) were sent to the Corps the same day. Copies were provided at the meeting.

Next Mr. Etwert indicated that on January 13<sup>th</sup>, he attended by phone, a debriefing by the Corps, on their recent PLA decision, to the area's elected delegation in Washington, DC. Senator Durbin's office had requested the debriefing by the Corps, which was attended by representatives from his staff and the staff of Senator Kirk, and Congressmen Davis, Shimkus, and Bost. Colonel Mitchell with the assistance of other Corps representatives provided the debriefing.

Mr. Etwert said he was able to provide the same concerns that he expressed at last month's board meeting regarding the Corps Response Summary and the lack of reviewing FPD bid line items to bid line items on previous Corps projects. Additional information, received from the Corps after the December meeting, didn't really provide a comparison of bids with or without a PLA.

Unfortunately, after all was said and done, the best the Corps could offer was to allow bidders to submit proposals with a PLA, without a PLA, or both, with the lowest technically acceptable price being selected with or without a PLA. There would be no guarantee of the utilization of a PLA. This was the same offer that Colonel Hall made to the Board last June.

To date, there hasn't been any response to Senator Durbin's November 17, 2014 letter to President Obama requesting the override of the Corps' decision to not require Project Labor Agreements (PLAs) on contracts pertaining to federal levee improvement projects in the East St. Louis, Prairie Du Pont/Fish Lake, and Wood River areas of Illinois. Senator Durbin's office indicated to the Corps at their PLA debriefing, that the Senator would continue to pursue this request with the President.

The FPD is also still waiting for responses to our requests to the Corps for consolidation of the separately authorized levee projects located in Madison, Monroe, and St. Clair counties and the consideration that the levee projects within these Counties be considered for the Water Infrastructure Public-Private Partnership Pilot Program. Decisions on these requests are

dependent on the Water Resources Reform and Development Act (WRRDA) of 2014 implementation guidelines which are currently being developed. No estimated guideline completion time has been provided.

Mr. Etwert indicated that last month he provided the Board some preliminary approaches on how the FPD utilizing PLAs might be able to work with the Corps and move forward towards obtaining the 500-Year (Authorized) Level Flood Protection. Mr. Etwert said he was going to discuss this more, later in the meeting, but since Chairman Kern wasn't in attendance, and he is very interested in this, Mr. Etwert asked that the Board hold Item #8 on today's agenda

The Board was provided copies of the AMEC's Monthly Progress Report for January and a copy of the appreciation letter sent to Commissioner Wittenauer for service to the Council.

Chairman Dunstan did arrive during the Program Status Report.

A motion was made by Mr. Long, seconded by Mr. Motil, to accept the Program Status Report for January 2015. Mr. Maher called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman – Aye  
Mr. Bergkoetter - absent  
Mr. Conrad - Aye  
Mr. Long – Aye  
Mr. Maher – Aye  
Mr. Motil – Aye  
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 December 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 December 31, 2014, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$14,113,789 while revenues amounted to \$2,875,307 resulting in a deficit of \$11,238,482. A total of approximately \$21,748,255 is 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 October 2014 (the latest month reported by the Illinois Department of Revenue) were up by 3.98% from the previous year. In general, receipts are up 2.80% from last year and are slightly above the 2012 level, which is the highest year of receipts.

The report included bank transactions for December 2014. Total disbursements for the month were \$2,990,652.41. The largest payments were to Kamadulski Excavating & Grading Co for BP #7A, Keller Construction for BP #3 and BP #5, Lane Construction for BP #6, Haier Plumbing for BP #4, Korte & Luitjohan Contractors for BP #2B and AMEC.

As of December 31, 2014, the anticipated surplus upon the completion of the 100-Year Projects was \$19,001,642 with a contingency of \$3,247,576 for additional costs.

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

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

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

- Retainage to be released this month less a small sum to cover re-seeding (\$1,800).
- Contractor/AMEC developing record documents.

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

- Site 5 – Pump station is complete except for startup and testing
- Site 10 – Pump station is complete except for startup and testing. Awaiting primary power hookup from Ameren.
- Site 12 – Intake Structure 75% complete. Electrical & Site work to begin this month.
- Site 15 – Pump Station is complete. Ready for Pre-final inspection.
- Site 16 – Pump station is complete except for startup and testing. Awaiting primary power hookup from Ameren.

### **BP #2C – Site 12 Pump Station Force Mains**

- Work on this site will not begin until October 15, 2015 to comply with 33 U.S.C. 408 (Section 408 alteration permit)
- NTP will be issued later this year

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

- Critical Delay: Land acquisition still impacting full mobilization.
- Design changes at Blanket Drains 1, 2, & 4 as well as RW relocations at Hawthorne pending. Construction cost impacts to be submitted as soon as available.
- Land acquisition delaying work at Blanket Drain 6, Seepage Berms 1-4 and Random Fill Areas 1 & 2.
- Piezometer installation continues – about 70% of the PZs are complete
- RW Collector System at Blanket Drain #3 complete
- Blanket Drain 5 to begin next month

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

- Relief well drilling complete. Some development and pump testing remains.
- Site 09 Intake Structure 75% complete.
- RW collector system 50% complete.
- Clay Cap work is delayed until Spring/Summer 2015.

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

- Relief well drilling on hold. High groundwater elevations have prevented drilling since November 26, 2014. About half have been drilled.
- Relief well collector system on south flank of MESD by Site 10 and Site 16 stations 90% complete.
- Clay Cap work is delayed until Spring/Summer 2015.

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

- Relief well drilling continues. About 40% of the RWs have been drilled.



- Production on seepage berms and clay caps on hold for the winter.
- Sluice Gate rehabilitation/replacement in progress at Palmer Creek, PdP East, and Falling Springs Pump Stations. (2 of 3 complete at Palmer Creek, 1 of 1 complete at PdP East, and 1 of 2 complete at Falling Springs).
- Lining of the triple 84” culverts at Palmer Creek Pump Station is on hold until third gate is complete.

**BP # 7A – Shallow Cut Off Wall**

- Levee backfill/clay cap delayed until weather conditions are suitable to obtain the proper compaction.

**BP # 7B – Deep Cut Off Wall**

- SWILDC and AMEC met with Kiewit to discuss the delayed NTP issues. Discussions ongoing.

**Construction Photos**

**Bid Package 2B** – Site 5 – Fencing Around Intake Structure

Site 10 – Installing Force Main Support Brackets

Site 12 – Pouring the Top Slab of the Intake Structure

Site 15 - Complete

Site 16 – Fencing Around Intake Structure

**Bid Package 03** – Converting Existing Relief Wells Near Blanket Drain #3

**Bid Package 04** – Site 09 Intake Structure Walls Complete

**Bid Package 05** – Completed Relief Well Collector System North of Levin Drive

**Bid Package 06** – Lined and Braced Gravity Drain at Palmer Creek Pump Station

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. Brinkman to accept the AMEC progress report. Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

### **Change Orders BP #4, BP #5, and BP #6**

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

Mr. Etwert indicated as he mentioned in the Progress Report earlier that there were three change orders on the agenda today, which AMEC would be explaining. They all involve construction obstructions being encountered during Relief Well construction. He stated 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.

Mr. Jon Omvig provided a brief explanation of the relief well drilling process.

### **BPs #4, #5 and #6 - Relief Well Construction Obstructions Change Orders**

Relief well drilling depths varies throughout the bid package projects and may be over 100 feet deep. Once a relief well hole is initiated, the drillers continue the installation until the well is completed, otherwise the well hole will collapse and installation would start over. During relief well drilling, the drillers are at times encounter layers that contain large diameter (greater than 5 ½ inches) cobbles. These layers range in thickness from a few feet to over 10 feet.

The Contract requires that the contractors provide and use drills and equipment capable of drilling through and removing cobbles up to 5 ½ inches in diameter. This requirement is met with all the relief well drilling contractors. A construction obstruction is determined to exist if the contractor is required to drill through a layer with cobbles greater than 5 ½ inch in diameter.

AMEC has a full time construction inspector on site observing the entire well installation and drilling operations. AMEC determines when further efforts to advance the drill hole are impracticable. Per the Contract, such demonstration includes continuing drilling operations when no gain in depth is being made for a minimum of 30 minutes. When this is the case, the Contractor must change his drilling operations, and this would be considered to be above the contract requirements (change order).

When these construction obstructions are encountered AMEC engineers evaluate the situation and determine whether to continue the drilling efforts and to what depth. Instead of abandoning the well, which is not cost effective, the AMEC engineers review the new aquifer penetration and calculated screen entrance velocities, review other adjacent well depths and review the design requirements. When feasible, the wells are terminated shorter than the design depth. The reduced depth is a cost savings to the contract but, there is a cost associated with drilling the construction obstruction layer. AMEC has negotiated a time and material cost rate with each contractor for drilling thought construction obstruction layers.

Technically, only Bid Package 06 is required to come before the Board, since the total of all change orders on BP 06 exceeds ten percent. On Bid Packages 04 & 05 the change orders do not exceed ten percent of the line item amount, however, since the all of these change orders are related, it was felt best to bring them all to the Board at once.

The table below indicates the 2014 status and an anticipated 2015 potential costs (Since the exact subsurface conditions are not known with precision, the 2015 costs are estimated based on a projection of the existing elevation of cobble layers).

	BP 3 (MSI)	BP 4 (Deep Foundation)	BP 5 (Pensoneau)	BP 6 (MSI)	BP 7 B (potentially Brotke)	Summary
Total RWs Planned	84	19	72	67	7	249
RW Completed December 2014	Not started	19	40	27	Not started	
Construction Obstructions encountered	Not started	13	20	12	Not started	
T&M as of December 2014	Not started	\$80,046	\$107,201	\$172,963	Not started	
Estimated T&M for 2015 with	Not started	Well drilling is complete	\$167,799	\$327,037		
Total for 2014 and 2015	Not started	\$80,046.18	\$275,000	\$500,000		

**Bid Package 04** – Change Order 11 Construction Obstruction **\$80,046.18** for relief wells: 154x,153x,155x,140x,141xa,142x,143x,145x,147x,148x,149x,150x,141xb

**Bid Package 05** – Change Order 9 Construction Obstruction **\$275,000.00** for relief wells: 227x,224a,226a,225a,254a,252a,251a,250a,249a,248a,246a,245a,244b,243b,257x,258b,257a,246x,247x,255a for a total change order cost of \$107,201. Please note that we anticipate additional anticipated costs of \$167,799 for 2015. In addition, AMEC estimates that the remaining relief wells may be an additional cost as indicated above. AMEC recommends approving \$ 275,000.

**Bid Package 06** – Change Order 14 Construction Obstruction **\$500,000.00** for relief wells: 22a,22b,30x,48x,51x,52a,53a,60a,61a,61b,62a and 67a for a total change order of \$173,472.00. Please note that we anticipate additional anticipated costs of \$327,037 for 2015. In addition, AMEC estimates that the remaining relief wells may be an additional cost as indicated above. AMEC recommends approving \$500,000.

Mr. Etwert requested that the Chief Supervisor be authorized to approve BP #4 - Change Order 11 for \$80,046.18, BP#05 – Change Order 9 for \$275,000.00, and BP#06 Change Order 14 for \$500,000.000 – Total cost of all of these change orders not to exceed **\$855,046.18**.

It was asked if there were any alternatives to the approach being taken to which, Mr. Omvig replied negative. Most of the time the cobbles that are being encountered are near the bottom of the relief well and it doesn't make sense to stop and drill in another location, it's best for the contractor to change their drilling operation.

Mr. Conrad asked for a motion to accept the recommendation on the change orders. A motion was made by Mr. Pennekamp with a second by Mr. Motil to authorize the Chief Supervisor to approve BP #4 - Change Order 11 for \$80,046.18, BP#05 – Change Order 9 for \$275,000.00, and BP#06 Change Order 14 for \$500,000.000 – Total cost of all of these change orders not to exceed \$855,046.18.

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

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

The motion was approved unanimously.

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

Mr. Conrad asked for a motion to table Agenda Item #8 as requested earlier by Mr. Etwert due to the absence of Chairman Kern. A motion was made by Mr. Maher with a second by Mr. Brinkman to table Item #8.

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

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

The motion was approved unanimously.

### **Corps of Engineers Update**

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

Ms. Kelsey then used a PowerPoint® presentation to provide the Project Status of the Metro East Projects. She discussed the status of the current design of the Upper Wood River Shallow Cutoff Wall (ready to start the bid process January 30<sup>th</sup> pending PLA issues and the FPD's willingness to fund, the Corps has funds from FY14), the Lower Wood River Deep Cutoff Wall (ready for contracting June 26<sup>th</sup>), and the East St. Louis Deep Cutoff Wall (ready for contracting June 26<sup>th</sup>). All are on schedule and moving forward with the ability to bid and award pending the PLA issue and funding in 2015.

Next she discussed the Wood River Upper Levee System Evaluation Report (LSER) and the Corps ability to complete being dependent on the FPD works on Bid Package #3. If there are delays due to easements, then the Corps could be delayed in their August 2015 submittal to FEMA.

She discussed the exchange of information with AMEC for the Chain of Rocks certification.

The procedures for the Work-In-Kind Credit for design and construction was discussed next. The In-Kind Credit Memorandums of Understanding (MOUs), are in process with the Wood River MOU being executed and the MOUs for East St. Louis and Prairie Du Pont/Fish Lake being at Division for approval. The Corps is waiting for implementation guidelines for WRRDA 2014, which should be completed in the near future.

The Corps has started putting together the Integral Determination Reports (IDRs), which describes the work that is to be or was constructed and what portion would be pursued for credit. These reports are approved at the ASA level. Their schedule is to have the IDRs approved by September 2015.

Next would be the amendment of the existing Project Partnership Agreements in Wood River and East St. Louis to include In-Kind Credits and the inclusion of In-Kind Credits in the Prairie Du Pont/Fish Lake Project Partnership Agreement when it is initially executed.

Next she discussed potential work. She stated how the Corps' ability to utilize existing funds impacts allocations in future budget years. The Corps has approximately \$3.4 million from FY14 funds that could be used for the remaining Wood River Upper Cutoff Wall project with voluntary inclusion of a PLA with selection based on the lowest price technical acceptable solicitation. There would be no guarantee of a PLA. Corps funds could also be used to initiate additional design packages.

Mr. Parks arrived during the presentation.

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

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

The motion was approved unanimously.

**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. Long made a motion at 8:05 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. Maher. Mr. Etwert indicated that all Board members and County Chairs should be present, along with, Matt Barriger, Brennen Soval, David Human, Jay Martin, Jon Omvig and Joe Parente. Mr. Maher called the roll and the following votes were made on the motion

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

The motion was approved unanimously.

Mr. Long made a motion to adjourn the executive session at 8:15 am and to go back into public session. Mr. Parks seconded the motion. Mr. Maher called the roll and the following votes were made on the motion:

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

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

Mr. Conrad called the meeting to order.

### **Real Estate Transactions**

A motion was made by Mr. Parks, and seconded by Mr. Long to authorize the Chief Supervisor, to extend the terms of compensation for temporary easements, still needed for completion of construction, at the same terms and conditions that were previously approved by the Board.

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

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

The motion was approved unanimously.

### **Other Business**

There was a brief discussion regarding change orders due to lack of necessary easements needed to complete the 100-year level of protection.

It was requested that Mr. Etwert obtain a clarification of the requirements of the open meetings act regarding potential pending litigation.

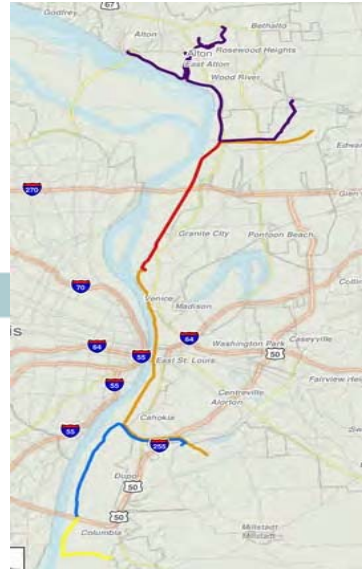
### **Adjournment**

A motion was made by Mr. Maher, seconded by Mr. Conrad 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  
January 21, 2015  
SW IL Levee System  
By Jay Martin**



**Construction Status**

- **BP #2A – Fish Lake Pump Station**
  - Retainage to be released this month less a small sum to cover re-seeding (\$1800).
  - Contractor/AMEC developing record documents.
  
- **BP #2B - WR/MESD/PDP Pump Stations**
  - Site 5 – Pump station is complete except for startup and testing.
  - Site 10 – Pump station is complete except for startup and testing. Awaiting primary power hookup from Ameren.
  - Site 12 – Intake Structure 75% complete. Electrical & Site work to begin this month.
  - Site 15 – Pump station is complete. Ready for Pre-final inspection.
  - Site 16 – Pump station is complete except for startup and testing. Awaiting primary power hookup from Ameren.
  
- **BP #2C – Site 12 Pump Station Force Mains**
  - Work on this site will not begin until October 15, 2015 to comply with 33 U.S.C 408 (Section 408 alteration permit).
  - NTP will be issued later this year.



## Construction Status



- **BP #03 – WR Seepage Improvements**
  - Critical Delay: Land acquisition still impacting full mobilization.
  - Design changes at Blanket Drains 1, 2, & 4 as well as RW relocations at Hawthorne pending. Construction cost impacts to be submitted as soon as available.
  - Land acquisition delaying work at Blanket Drain 6, Seepage Berms 1-4 and Random Fill Areas 1&2.
  - Piezometer installation continues – about 70% of the PZs are complete.
  - RW Collector System at Blanket Drain #3 complete.
  - Blanket Drain 5 to begin next month.

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## Construction Status



- **BP #04 – MESD Seepage Improvements (Conoco Phillips)**
  - Relief well drilling complete. Some development and pump testing remains.
  - Site 09 Intake Structure 75% complete.
  - RW collector system 50% complete.
  - Clay Cap work is delayed until Spring/Summer 2015.
  
- **BP #05 – MESD Seepage Improvements (MESD excluding Conoco Phillips)**
  - Relief well drilling on hold. High groundwater elevations have prevented drilling since November 26, 2014. About half have been drilled.
  - Relief well collector system on south flank of MESD by Site 10 and Site 16 pump stations 90% complete.
  - Clay Cap work is delayed until Spring/Summer 2015.

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## Construction Status



- BP #06 – *PDP/FL Seepage Improvements*
  - Relief well drilling continues. About 40% of the RWs have been drilled.
  - Production on seepage berms and clay caps on hold for the winter.
  - Sluice Gate rehabilitation/replacement in progress at Palmer Creek, PdP East, and Falling Springs Pump Stations. (2 of 3 complete at Palmer Creek, 1 of 1 complete at PdP East, and 1 of 2 complete at Falling Springs).
  - Lining of the triple 84" culverts at Palmer Creek Pump Station is on hold until the third gate is complete.
  
- BP #7A – *Shallow Cut Off Wall*
  - Levee backfill/clay cap delayed until weather conditions are suitable to obtain the proper compaction.
  
- BP #7B – *Deep Cut Off Wall*
  - SWILCD and Amec met with Kiewit to discuss the delayed NTP issues. Discussions ongoing.

5

## Bid Package 2B



### Site 5 Fencing Around Intake Structure



6

**Bid Package 2B**



**Site 10 Installing Force Main Support Brackets**

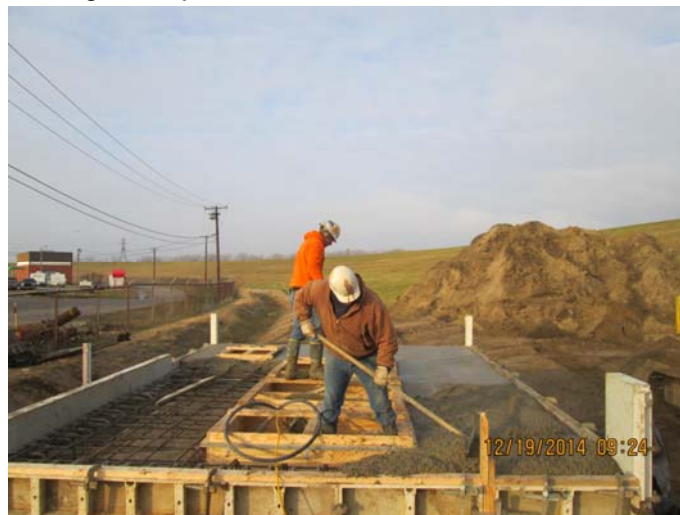


7

**Bid Package 2B**



**Site 12 Pouring the Top Slab of the Intake Structure**



8

**Bid Package 2B**



**Site 15 Complete**



**Bid Package 2B**



**Site 16 Fencing Around Intake Structure**



**Bid Package 03**



**Converting Existing Relief Wells Near Blanket Drain #3**



**Bid Package 04**



**Site 09 Intake Structure Walls Complete**



**Bid Package 05**



**Completed Relief Well Collector System North of Levin Drive**



**Bid Package 06**



**Lined and Braced Gravity Drain at Palmer Creek Pump Station**



Questions?

U.S. Army Corps of Engineers  
St. Louis District  
1222 Spruce Street  
St. Louis, MO 63103-2833

## Metro East Projects, IL

### PROJECT STATUS

- Current Efforts
- WR Upper LSER/COR certification information
- Work-in-Kind Credit
  - Design/Construction
  - Memorandum of Understanding (MOU)
  - Implementation Guidance
  - Integral Determination Report (IDR)
  - Amend Project Partnership Agreements
- Potential for Continued Work
  - Approximately \$3.4M FY14 funds remain
  - Ability to utilize existing funds impacts future FY budgets
  - Adequate funds are available to award Upper WR shallow cutoff wall using LPTA w/ voluntary PLA. Upper cutoff wall construction will complete the federal project in Upper WR.
  - Additional design projects can be initiated



**BUILDING STRONG®**





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for February 2015  
Date: February 13, 2015

We continue to work on the acquisition of easements needed to complete the projects that have been awarded. Husch Blackwell continues to work with the attorneys for Union Pacific, regarding the 3 parcels needed on the BP #3 construction project. It does appear that we are making some progress on the obtainment. As previously mention, the delay in obtaining these easements and others on the BP #7B project will have an effect on completion times and possible costs of these projects

Approximately 47% of the \$56.0 million of construction, involved in the nine construction bid packages, has been completed thru January 31st. With 3.1 million dollars' worth of construction completed in January, the total amount of construction completed is now \$26.4 million.

We have three change orders on this month's agenda, involving Under Seepage & Seepage Control Improvements on Bid Packages #3, and #6. Amec Foster Wheeler (formerly AMEC) will be explaining these at the meeting.

On January 26th, I received from Senator Durbin's office, the Corps of Engineers' timeline regarding the Melvin Price Design Deficiency Correction Project. I copy is provided to you today. It is disappointing to see that the permanent solution design will continue into the FY18 fiscal year with construction also awarded in FY18. Of course, both the continued design and construction are dependent on receipt of funds. It appears to be a lengthy schedule for a project that was declared an emergency need six years ago.

On January 30<sup>th</sup>, President Obama issued Executive Order No. 11988, establishing the Federal Flood Risk Management Standard. The new standard allows agencies to choose from among three options for establishing the flood elevation and the consequent horizontal floodplain:

- 1) data and methods "informed by best-available, actionable climate science",
- 2) building to two feet above the 100-year flood elevation for standard projects, and three feet above for critical buildings like hospitals and evacuation centers, or
- 3) build to the 500-year flood elevation

Both Husch Blackwell and Amec Foster Wheeler are reviewing the Order to determine if there are any effects on FPD projects. A copy of the Order (previously e-mailed) and a corresponding news release will be provided at the meeting.

As reported last month, there still hasn't been any response to Senator Durbin's November 17, 2014 letter to President Obama requesting the override of the Corps' decision to not require Project Labor Agreements (PLAs) on contracts pertaining to federal levee improvement projects in the East St. Louis, Prairie Du Pont/Fish Lake, and Wood River areas of Illinois.

The FPD continues to wait for responses to our requests to the Corps for consolidation of the separately authorized levee projects located in Madison, Monroe, and St. Clair counties and the consideration that the levee projects within these Counties be considered for the Water Infrastructure Public-Private Partnership Pilot Program. Decisions on these requests are dependent on the Water Resources Reform and Development Act (WRRDA) of 2014 implementation guidelines that are currently being developed.

On the agenda, I have a resolution expressing the official intent to restore the federally authorized level of Mississippi Flood River Protection in the Metro-East for the Board to consider.

There may be, if necessary, an executive session on pending litigation at the end of the meeting.

I am in the process of renewing our lease to occupy office space with the Metro-East Park and Recreation District at 104 United Drive. Our arrangement continues to work out very well for the Council and contributes to the very low administrative costs for the project. There is no cost to the Council, other than the cost for internet service and maintaining liability insurance on the space.

I have included in your Board packet a copy of Amec Foster Wheeler's Monthly Progress Report for January.



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

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## **Monthly Project Progress Report February 2015**

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AMEC Project No. 563170001  
Period Ending Date: February 9, 2014

*Date of Issue: February 12, 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 2C** is composed of the installation of two force mains and associated structures from Site 12 pump station to levee discharge.

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

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

**2.1 HSSE Reports**

<b>Health/Safety</b>
<p>The Contractors continue to conduct daily toolbox safety talks.</p> <p>Amec continues to conduct monthly safety meetings with the contractors every third Tuesday.</p> <p>Lane's relief well driller laborer had a lost time accident which required stitches.</p>
<b>Security</b>
<p>No issues during this reporting period.</p>
<b>Environment (SWPPP)</b>
<p>An Amec Foster Wheeler environmental representative is checking dewatering efforts on a weekly basis.</p> <p>In addition, Amec Foster Wheeler representative will perform groundwater tests near the BP 3 – Russell Commons landfill.</p>

### 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>December 1, 2014</i>
Final Walk Through	Substantial completion August 12, 2014
Final Acceptance	<i>December 1, 2014</i>

##### 3.1.2 Progress

ID	Description	Target	Actual	Comments
A	Site 1 Pump Station		Complete	Complete but holding \$1800 retainage for turf establishment.

##### 3.1.3 Property Acquisition

- The project is complete.

##### 3.1.4 Levee Board Considerations

- The project is complete.

##### 3.1.5 Submittals

- Final project closeout submittals.

##### 3.1.6 Change Orders

- See Change Order Log attached.

##### 3.1.7 Field Activities and Look Ahead

- The project is complete.

##### 3.1.8 QC/QA Activities

- The project is complete.

##### 3.1.9 Considerations

- The project is complete.

##### 3.1.10 Payment Progress

- See Contract Invoice Log attached. The project is complete and the retainage released (except for \$1800 retainage for turf establishment).



## 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>April 15, 2015</i>
Final Walk Through	
Final Acceptance	

### 3.2.2 Progress

ID	Description	Target	Actual	Comments
A	Construct Site 10 Pump Station	April 2015	95%	The pump station is complete except for start-up and primary power from Ameren.
B	Construct Site 16 Pump Station	April 2015	95%	The pump station is complete except for start-up and testing. Awaiting primary power hookup from Ameren.
C	Construct Site 5 Pump Station	April 2015	95%	The pump station is complete except for pre-final inspection.
D	Construct Site 12 Pump Station	April 2015	90%	The pump station is complete except for start-up and primary power from Ameren.
E	Construct Site 15 Pump Station	April 2015	95%	The pump station is complete. Pre-final inspection to be scheduled.

### 3.2.3 Property Acquisition

- All property is acquired.

### 3.2.4 Levee Board Considerations

- None

### 3.2.5 Submittals

- Submittal process ongoing.

### 3.2.6 Change Orders

- See Change Order Log attached

### 3.2.7 Field Activities and Look Ahead

- See above table

### 3.2.8 QC/QA Activities

- Juneau/SCI onsite performing testing activities.

### 3.2.9 Considerations

- None

### 3.2.10 Payment Progress

- See Contract Invoice Log attached.

### 3.3 Bid Package 2C

#### 3.3.1 Calendar

Bid Date:	November 12, 2014
Contract executed	February 9, 2015
Schedule received	
Anticipated start of field activities	
Start of field activities	
Anticipated completion date	<i>December 15, 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.3.2 Progress

ID	Description	Target	Actual	Comments
A	Contract			Contract sent to Contractor for signature.
B	Notice to Proceed			Work on this site will not begin until October 15, 2015 in order to comply with the 408 permit (work only permitted from October 15 to March 15). The NTP will be issued mid-year to enable the contractor to order long lead delivery items.

#### 3.3.3 Property Acquisition

- All property is acquired.

#### 3.3.4 Levee Board Considerations

- The 408 permit, limits the work on this station to be performed from October 15 to March 15. The final approve for the 2C Contract was on December 17, 2014. The awarded contractor cannot complete the project by March 1, 2015, due to long lead check valve delivery item and soil moisture/compaction issues. Verbally, Hair Plumbing indicated they would perform the work at the same cost when it can be awarded later this year. Amec recommended and is processing a completion date of December 31, 2015.

#### 3.3.5 Submittals

- None

#### 3.3.6 Change Orders

- None

#### 3.3.7 Field Activities and Look Ahead

- None

#### 3.3.8 QC/QA Activities

- None

#### 3.3.9 Considerations

- None

#### 3.3.10 Payment Progress

- None

### 3.4 Bid Package 3

#### 3.4.1 Calendar

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

#### 3.4.2 Progress

ID	Description	Target	Actual	Comments
B	Relief Wells and Piezometers	TBD	50%	Piezometer installation continues (35 of 51 PZs complete)
D	Blanket Drain 3 construction	Jan 2015	20%	RW collector system complete.
F	Blanket Drain 5 construction	April 2015	30%	Installing blanket drain as per the drawings and specifications.

#### 3.4.3 Property Acquisition

- A partial NTP was issued March 13, 2014 and rejected by the Contractor. All land acquisition has been obtained except for the MOPAC railroad parcels which encompass 6 sites. Another partial NTP has been issued to cover the updated property acquisition.
- Due to recent land acquisition, a partial NTP was issued January 14, 2015.

#### 3.4.4 Levee Board Considerations

- Critical Delay: The slow progress of land acquisition has critically affected the levee certification schedule. The project is scheduled to take 7 months (weather dependent) to complete once the railroad land acquisition is obtained. The delayed railroad acquisition affects: Blanket Drain 6, Seepage Berms 1-4 and Random Fill areas 1&2.
- The temporary construction easements have expired and are being renegotiated.
- Design changes at Blanket Drains 2 and 4 are forthcoming. Construction costs and schedule will be affected.

#### 3.4.5 Submittals

- Submittal process ongoing.

#### 3.4.6 Change Orders

- Major Upcoming Change Orders:
  - Blanket Drain 4 revisions
  - Any potential modifications, if there are any railroad modifications

- See Change Order Log attached.

#### 3.4.7 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 (weather dependant) after the railroad land acquisition.
- See above table

#### 3.4.8 QC/QA Activities

None at this time.

#### 3.4.9 Considerations

- Critical Delay: 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.

#### 3.4.10 Payment Progress

- See Contract Invoice Log attached.

### 3.5 Bid Package 4

#### 3.5.1 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>June 30, 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

ID	Description	Target	Actual	Comments
A	Earthwork	June 2015	10%	No earthwork has been performed. Contractor searching for clay.
B	Relief Wells (new and converted)	Dec 2014	97%	Relief Wells completed. Development. Pump tests are in progress.  The relief well conversions and relief well manhole work to begin this month.
C	Site 09 Intake Structure	Feb 2015	80%	Pump station construction approximately 80% complete.
D	RW collector system	Feb 2015	50%	
E	Clay cap	June 2015	0%	Clay cap work delayed until Summer.

#### 3.5.3 Property Acquisition

- All property is acquired.

#### 3.5.4 Levee Board Considerations

- None

#### 3.5.5 Submittals

- Submittal process is on-going.

#### 3.5.6 Change Orders

- See Change Order Log attached.
- Amec working with Contractor on a Time Extension.

#### 3.5.7 Field Activities and Look Ahead

- See table above

#### 3.5.8 QC/QA Activities

- No current material testing needs.

#### 3.5.9 Considerations

- None

### 3.5.10 Payment Progress

- See Contract Invoice Log attached.

### 3.6 Bid Package 5

#### 3.6.1 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>September 30, 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.6.2 Progress

ID	Description	Target	Actual	Comments
A	Relief Wells and Piezometers	Feb 2015	35%	Relief Well drilling on hold due to high ground water and Construction Obstruction resolution (40 of 72 RWs have been drilled).  Piezometer work has begun (2 of 18 installed).
B	Earthwork	May 2015	15%	Clay Cap work delayed until Summer of 2015.
C	Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B)	Feb 2015	95 %	

#### 3.6.3 Property Acquisition

- All property is acquired.

#### 3.6.4 Levee Board Considerations

- Keller is in the process of obtaining the 150,000 cubic yard clay source.

#### 3.6.5 Submittals

- Submittal process underway.

#### 3.6.6 Change Orders

- See Change Order Log attached.
- Amec working with Contractor on time extension.

#### 3.6.7 Field Activities and Look Ahead

- See above table

#### 3.6.8 QC/QA Activities

- Juneau/SCI on site for QC testing as needed.

#### 3.6.9 Considerations

- None other than previously mentioned.

#### 3.6.10 Payment Progress

- See Contract Invoice Log attached.



### 3.7 Bid Package 6

#### 3.7.1 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	July 2015
Final Walk Through	
Final Acceptance	

#### 3.7.2 Progress

ID	Description	Target	Actual	Comments
A	Seepage Berms	August 2014	75%	Work continues.
B	Clay Caps	April 2014	10%	Clay Cap work has begun. Clay is being stockpiled on slopes. Clay Cap construction will be delayed until Summer 2015
C	Relief Wells and Piezometers	June 2014	60%	Relief well drilling continues. 40 of 67 RWs have been drilled.
D	Pipe Conveyance	October 2014	0%	None. Moniger mobilized to the site.
E	Sluice Gate rehabilitation/replacement set to begin Nov/Dec.	Jan 2015	95%	Complete
F	Lining of the triple 84" culverts at Palmer Creek Pump Station will resume upon completion of sluice gate rehabilitations	Feb 2015	30%	Lining of the triple 84" culverts at Palmer Creek Pump Station is on hold until the third gate is complete. (1.5 of 3 culverts have been lined – awaiting warmer temperatures to grout).

#### 3.7.3 Property Acquisition

- All property is acquired.
- Temporary Construction Easements are expiring and are being renewed.

#### 3.7.4 Levee Board Considerations

- None

#### 3.7.5 Submittals

- Submittal process ongoing.

#### 3.7.6 Change Orders

- See Change Order Log attached and the Change Order Memo.
- Amec working with Contractor on time extension.

3.7.7 Field Activities and Look Ahead

- See table above

3.7.8 QC/QA Activities

- ABNA is testing material; Geotechnology performing QA testing.

3.7.9 Considerations

- River and weather delays.

3.7.10 Payment Progress

- See Contract Invoice Log attached.

### 3.8 Bid Package 7A

#### 3.8.1 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>June 26, 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.8.2 Progress

Description	Target	Actual	Comments
2 Piezometers have been installed	Jan 2015	90%	Monitoring is ongoing.
Geo-Solution has demobilized.	Dec 19, 2015	95%	Awaiting final lab results.
Clay Cap	Summer 2015		The levee is degraded. Contractor plans to come back when the weather allows proper compaction/moisture of the clay.  The EAP plan is in effect in case of flood.

#### 3.8.3 Property Acquisition

- Not applicable

#### 3.8.4 Levee Board Considerations

- Change order review

#### 3.8.5 Submittals

- On-going

#### 3.8.6 Change Orders

- Contractor has a change order claim for ~ \$140k for the slurry wall face payment. Amec does not agree but will meet to understand the Contractors viewpoint.

#### 3.8.7 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.
- Complete work platform and lower portion of clay cap below finished grade.
- SAR Team site visit for initial wall construction, addressed comments in their report.
- Initial quality Control testing results exceeding minimum permeability requirements by two orders of magnitude.
- Geo-Solutions finished the Slurry Wall construction.
- See above table.

#### 3.8.8 QC/QA Activities

- On-going

### 3.8.9 Considerations

- Weather delays

### 3.8.10 Payment Progress

- See Contract Invoice Log attached.

### 3.9 Bid Package 7B

#### 3.9.1 Calendar

Bid Date:	August 13, 2014
Contract executed	September 12, 2014
Schedule received	
Anticipated start of field activities	
Start of field activities	
Anticipated completion date	
Final Walk Through	
Final Acceptance	

#### 3.9.2 Progress

ID	Description	Target	Actual	Comments
A	NTP			The NTP was given on January 28, 2015. Kiewit has not mobilized. Face-to-face meeting was held on February 11, 2015 to discuss issues.

#### 3.9.3 Property Acquisition

- All property acquired

#### 3.9.4 Levee Board Considerations

- Kiewit has some issues with the Olin License agreement. Amec and Kiewit met to discuss on December 10, 2014.
- Kiewit has requested additional monies due to the Olin Land acquisition delay.

#### 3.9.5 Submittals

- On going

#### 3.9.6 Change Orders

- Kiewit has requested additional monies due to the Olin Land acquisition delay.

#### 3.9.7 Field Activities and Look Ahead

- Notice of Award was September 9, 2014
- The Contract executed September 12, 2014

#### 3.9.8 QC/QA Activities

- Work has not begun.

#### 3.9.9 Considerations

- Kiewit change order request discussion.

#### 3.9.10 Payment Progress

- See Contract Invoice Log attached.

**CONTRACT INVOICE LOG**

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

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

**Original Contract Amount:** \$747,500.00  
**Change Order #1:** \$2,245.00      Limitorque Actuator  
**Change Order #2:** \$7,730.00      Additional Road Aggregate  
**Change Order #3:** \$434.00      Monroe County Building Permit  
**Change Order #4:** \$0.00      Contract Time Extension  
**Change Order #5:** \$0.00      Contract Time Extension 2  
**Change Order #6:** \$0.00      Contract Time Extension 3  
**Change Order #7:** \$5,189.21      Additional Rock and Testing  
**Change Order #8:** \$34,501.32      Stumpf Property Pipe Extension  
**Total Change Order Amount:** \$50,099.53  
**Total Revised Contract Amount:** \$797,599.53

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
<a href="#">10</a>	11/30/2014	12/12/2014	\$797,599.53	\$38,094.45	\$759,505.08	\$38,282.32	<a href="#">12/18/2014</a>	\$38,094.45
<a href="#">11</a>	12/31/2014	1/15/2015	\$797,599.53	\$1,800.00	\$795,799.53	\$36,294.45	<a href="#">1/26/2015</a>	\$1,800.00



## 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:** \$50,600.00 Site 16 Duct Bank  
**Change Order #7:** \$4,760.00 Site 12 Existing Force Mains  
**Change Order #8:** \$74,200.00 Site 10 Electrical Changes  
**Change Order #9:** \$0.00 Time Extension  
**Total Change Order Amount:** \$146,529.00  
**Total Revised Contract Amount:** **\$4,011,934.00**

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>	\$3,818,830.00
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>	\$3,746,634.00
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>	\$3,419,934.00
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>	\$3,112,404.00
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>	\$2,708,304.00
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>	\$2,311,404.00
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>	\$1,899,554.00
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	<a href="#">10/16/2014</a>	\$1,044,498.00
10	10/31/2014	11/7/2014	\$3,420,000.00	\$269,324.00	\$3,150,676.00	\$262,200.00	<a href="#">11/18/2014</a>	\$787,058.00
11	11/30/2014	12/12/2014	\$3,648,600.00	\$282,764.00	\$3,365,836.00	\$215,160.00	<a href="#">12/18/2014</a>	\$647,553.00
12	12/31/2014	1/12/2015	\$3,840,000.00	\$292,334.00	\$3,547,666.00	\$181,830.00	<a href="#">1/26/2015</a>	\$464,268.00
13	1/31/2015	2/9/2015	\$3,897,320.00	\$295,200.00	\$3,602,120.00	\$54,454.00		\$409,814.00



**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 impeded construction
6*	Site 16 Duct Bank	Field	\$50,600.00	\$0.00	2B.55	\$ 23,990.00	210.92%	1.31%	9/29/2014	Approved	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 15 Grating and Supports	Field	\$4,760.00	\$0.00		\$ 352,645.00	1.35%	0.12%	10/17/2014	Approved	Grating and support for Site 15 to enable functionality of the system
8*	Site 10 Electric Change	Field	\$74,200.00	\$0.00	2B.27	\$ 17,705.00	419.09%	1.92%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 10. Board approval required
9	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	12/2/2014	Approved	Request for Time Extension to move our completion date to 4/15/15 due to the contract documents for Bid Package 2B contractor is only allowed to work at Site 12 between October 15th to March 15th.
<b>Total of Project Change Orders</b>			<b>\$137,959.00</b>	<b>\$8,570.00</b>						<b>Total</b>	<b>\$ 146,529.00</b>
<b>Original Contract Amount</b>											
<b>\$3,865,405.00</b>											
<b>Revised Contract Amount</b>											
<b>4,011,934.00</b>											
			<b>% Change from Original Amount</b>								
			<b>3.79%</b>								

\*Board approval required



**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	Approved	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	Approved	Due to the relocation of RW's 1077 to 1080; added costs for hydro excavation		
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$3,071.25	\$0.00	3.37	\$ 82,812.00	3.71%	0.03%	10/22/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept		
6*	RR3 Material for Blanket Drains-pending verifying material	Field	\$278,694.99	\$0.00	3.08-3.14	\$ 2,034,478.00	13.70%	2.76%	11/19/2014	Approved	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval		
7*	Indian Creek Rip Rap	Field	\$57,436.00	\$0.00	3.40	\$ 193,713.36	29.65%	0.57%	11/19/2014	Approved	Due to the extreme scour of the banks and creek bed since the time of the original design, in order for the per plan design to be constructed, it is going to require a substantial amount of additional rip rap RR4 to be placed. Board approval required		
8	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,820.00)	\$0.00	3.29	\$ 37,896.00	-15.36%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer		
9*	Hawthorne Changes North & South including Ameren	Other	\$558,086.80	\$0.00	3.02 3.04 3.06 3.07 3.29 3.32	\$ 756,836.20	73.74%	5.54%	2/12/2015	Pending	Change Description submitted in change order memo for Board approval 2/18/15		
10*	Blanket Drain 2 Revisions	Other	\$509,085.18	\$0.00	3.02 3.09 3.16 3.23 3.25 3.26 3.29 3.36 3.37	\$ 868,101.57	58.64%	5.05%	2/12/2015	Pending	Change Description submitted in change order memo for Board approval 2/18/16		
<b>Total of Project Change Orders</b>											<b>\$364,588.84</b>	<b>\$</b>	<b>364,588.84</b>

Original Contract Amount **\$10,082,345.00**  
 Revised Contract Amount **10,446,933.84**  
 % Change from Original Amount **3.62%**

\*Board approval required

### CONTRACT INVOICE LOG

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

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

<b>Original Contract Amount:</b>	\$3,190,232.45	
<b>Change Order #1:</b>	\$8,196.30	Flyght Pump & Locking Sewer Lids per MESD
<b>Change Order #2:</b>	\$949.90	Fence Polycarbonate
<b>Change Order #3:</b>	\$10,488.00	Fence Grounding per Ameren
<b>Change Order #4:</b>	\$1,533.00	2 Additional Posts in Concrete per Phillips 66 Request
<b>Change Order #5:</b>	\$2,127.35	Time and material for new fence grounding
<b>Change Order #6:</b>	\$2,402.40	Per MESD Request
<b>Change Order #7:</b>	\$0.00	Contract Time Extension
<b>Change Order #8:</b>	\$1,656.00	2" Well Point SS Pipe
<b>Change Order #9:</b>	\$54,680.20	Site 9 Electrical Changes
<b>Change Order #10:</b>	\$35,602.21	Work Stoppage due to Soil Testing
<b>Change Order #11:</b>	\$80,046.18	Relief Well Construction Obstruction due to Cobble
<b>Total Change Order Amount:</b>	\$197,681.54	
<b>Total Revised Contract Amount:</b>	<b>\$3,387,913.99</b>	

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 (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	4/11/2014	4/15/2014	\$259,243.33	\$25,924.33	\$233,319.00	\$233,319.00	<a href="#">4/22/2014</a>	\$2,965,109.75
2	6/11/2014	6/12/2014	\$269,731.33	\$26,973.13	\$242,758.20	\$9,439.20	<a href="#">6/19/2014</a>	\$2,967,108.45
3	8/5/2014	8/11/2014	\$325,641.68	\$32,564.17	\$293,077.51	\$50,319.32	<a href="#">8/14/2014</a>	\$2,920,449.49
4	10/1/2014	10/9/2014	\$970,413.05	\$97,041.31	\$873,371.75	\$580,294.24	<a href="#">10/13/2014</a>	\$2,344,213.65
5	11/10/2014	11/11/2014	\$1,576,916.93	\$157,691.69	\$1,419,225.24	\$545,853.49	<a href="#">11/14/2014</a>	\$1,798,360.16
6	12/9/2014	12/11/2014	\$1,805,617.83	\$180,561.78	\$1,625,056.05	\$205,830.81	<a href="#">12/18/2014</a>	\$1,647,209.55
7	1/7/2015	1/13/2015	\$1,981,951.82	\$198,195.18	\$1,783,756.65	\$158,700.59	<a href="#">1/26/2015</a>	\$1,488,508.95
8	1/31/2015	2/6/2015	\$2,353,390.85	\$235,339.09	\$2,118,051.77	\$334,295.13		\$1,269,862.22

**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	Flight 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.
9*	Site 9 Electrical Changes	Other	\$54,680.20	\$0.00	4.28	\$ 222,500.00	24.58%	1.71%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 9. Board approval required
10	Work stoppage for impacted soil	Other	\$35,602.21	\$0.00	NA	NA	NA	1.12%	1/8/2015	Approved	Work stopped to perform testing due to encountering hydrocarbon odor
11	RW Construction Obstruction	Field	\$80,046.18	\$0.00	4.16	\$ 878,900.00	9.11%	2.51%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling
12	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Pending	Contract time extension to June 30, 2015
<b>Total of Project Change Orders \$187,082.84 \$10,598.70</b>										<b>Total</b>	<b>\$ 197,681.54</b>

Original Contract Amount **\$3,190,232.45** Revised Contract Amount **3,387,913.99** % Change from Original Amount **6.20%**

\*Board approval required



**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	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$1,863.75	\$0.00	5.26	\$ 211,728.64	0.88%	0.02%	10/30/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept
6	Relief Wells Rehabs	Other	\$103,690.00	\$0.00	NA	NA	NA	1.26%	10/30/2014	Approved	Relief well rehabilitations in the plans but were omitted from the bid tab
7*	PZ Seal Modifications	Design	\$31,680.00	\$0.00	5.22	\$ 171,680.00	18.45%	0.38%	11/19/2014	Approved	The new detail extends the concrete seal 4' below ground surface which should provide more stability for the above-grade part of the piezometer.
8	Installation and testing 10" Relief Wells instead of 8" Wells	Design	\$45,199.00	\$0.00	5.28	\$ 2,156,379.63	2.10%	0.55%	2/2/2015	Approved	Based on site-specific designs performed after pilot hole drilling, ten wells were final-designed with 10" diameter screens and risers to optimize well length and/or meet the USACE entrance velocity standard.
9*	RW Construction Obstruction	Field	\$107,201.00	\$0.00	5.27 5.28	\$ 3,204,234.48	3.35%	1.30%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board approval
10	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,095.00)	\$0.00	5.18-5.21	\$ 113,685.00	-4.48%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
11	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Pending	Contract Time Extension to September 30, 2015

<b>Total of Project Change Orders</b>	<b>\$289,261.88</b>	<b>\$19,698.78</b>	<b>\$308,960.66</b>
Original Contract Amount	8,565,442.50	% Change from Original Amount	
\$8,256,481.84	3.74%		

\*Board approval required

## 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:** \$37,935.66 Various Changes for Board Approval  
**Change Order #13:** \$43,664.49 Various Changes for Board Approval  
**Change Order #14:** \$177,854.69 Relief Well Construction Obstruction  
**Total Change Order Amount:** **\$1,983,540.66**  
**Total Revised Contract Amount:** **\$14,840,668.41**

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	<a href="#">10/16/2014</a>	\$8,504,251.69
12	11/1/2014	11/10/2014	\$7,466,202.56	\$746,620.26	\$6,719,582.30	\$642,620.41	<a href="#">11/18/2014</a>	\$7,899,566.94
13	12/1/2014	12/8/2014	\$8,071,969.19	\$807,196.92	\$7,264,772.27	\$545,189.97	<a href="#">12/18/2014</a>	\$7,398,041.46
14	1/1/2015	1/13/2015	\$9,086,036.15	\$454,301.81	\$8,631,734.33	\$1,366,962.07	<a href="#">1/26/2015</a>	\$6,031,079.39
15	2/1/2015	2/6/2015	\$10,631,046.43	\$531,552.32	\$10,099,494.11	\$1,467,759.77		\$4,741,174.30



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT:** Bid Package 06

**PROJECT NUMBER:** SIFPDC-BP06

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 quantities 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*	Sanitary 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 seal to provide additional concrete 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.
10	Surface Aggregate	Design	\$18,339.63	\$0.00	NA	NA	NA	0.14%	8/25/2014	Approved	Additional quantities required due to deeper pilot holes required to achieve necessary penetration. Board approval required.
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	See change order summary presented to Board for review and approval in the October 15, 2014 Board Meeting
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 2 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	Approved	Board approval required
13*	Hydraulic structure painting of the 84" bulkhead; T&M 3 Clay Cap Undercut; Modify PZ Raise to Grade to PZ Raise to Grade Special	Field	\$43,664.49	\$0.00				0.34%	11/19/2014	Approved	Board approval required
14*	RW Construction	Field	\$177,854.69	\$0.00	6.39 6.40	\$ 1,806,432.00	9.85%	1.38%	1/21/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. Board approval required.
15	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Pending	Contract Time Extension
16*	Additional type T structure Height (46.69 ft.); Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole - 48 inch deleted; JN-70 C; HDPE pipe 12 inch deleted; P-S516 for 70C.	Field	\$12,171.08	\$0.00	6.39 6.40	\$ 1,806,432.00	0.67%	0.09%	2/12/2015	Pending	Change Description submitted in change order; memo for Board approval 2/18/15
<b>Total</b>											\$
<b>Total of Project Change Orders</b>											\$1,983,540.66
<b>Original Contract Amount</b>											\$12,857,127.75
<b>Revised Contract Amount</b>											\$14,840,668.41
<b>% Change from Original Amount</b>											15.43%
<b>*Board approval required</b>											

**CONTRACT INVOICE LOG**

**Contractor:** Kamadulski Excavating & Grading Co., Inc.  
 4336 State Route 162  
 Granite City, IL 62040

**Project:** SWILCD 56317001.010.001  
**Construction Package:** BP7A  
**Original Contract Amount:** \$3,076,208.70  
**Change Order #1:** \$13,850.00 Boat Access Ramp  
**Change Order #2:** \$108,897.50 Utility Conflicts  
**Change Order #3:** \$98,660.80  
**Total Change Order Amount:** \$221,408.30  
**Total Revised Contract Amount:** \$3,297,617.00

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	10/31/2014	11/3/2014	\$886,675.70	\$88,667.57	\$798,008.13	\$798,008.13	<a href="#">11/18/2014</a>	\$2,292,050.57
<a href="#">2</a>	11/30/2014	12/8/2014	\$1,824,863.95	\$182,486.40	\$1,642,377.55	\$844,369.42	<a href="#">12/18/2014</a>	\$1,556,578.65
<a href="#">3</a>	12/31/2015	1/9/2015	\$2,520,707.13	\$126,035.37	\$2,394,671.76	\$752,294.21	<a href="#">1/26/2015</a>	\$902,945.24

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT:**Bid Package 7A

**PROJECT NUMBER:** SIFPDC-BP7A

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	Temporary Boat Launch Access Road	Design	\$13,850.00	\$0.00	NA	NA	NA	0.45%	10/17/2014	Approved	C-105 & C-504 Drawing revision to include a temporary boat launch road
2*	Utility Conflicts	Field	\$108,897.50	\$0.00	0016	\$225,000.00	48.40%	3.54%	11/19/2014	Approved	Electrical and telephone utility conflicts; Board approval required
3*	Excavation Levee Slope and Crown Quantity Adjustment		\$98,660.80	\$0.00	0009	\$ 89,503.20	110.23%	3.21%	12/17/2014	Approved	Excavation Levee Slope and Crown Quantity Adjustment. Board approval required (see memo for detail)
Total of Project Change Orders			<b>\$221,408.30</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 221,408.30</b>
Original Contract Amount			<b>\$3,076,208.70</b>								
Revised Contract Amount			<b>\$3,297,617.00</b>								
				<b>% Change from Original Amount</b>							
								<b>7.20%</b>			

\*Board approval required

**CONTRACT INVOICE LOG**

**Contractor:** Kiewit Infrastructure Co.  
302 S. 36st Street, Suite 400  
Omaha, NE 68131

**Project:** SWILCD 56317001.010.001  
**Construction Package:** BP7B  
**Original Contract Amount:** \$10,613,400.00  
**Change Order #1:**  
**Change Order #2:**  
**Change Order #3:**  
**Total Change Order Amount:** \$0.00  
**Total Revised Contract Amount:** \$10,613,400.00

<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 Retainage</b>	<b>Amount Invoiced (\$)</b>	<b>Date Paid by FPD</b>	<b>Estimate to Complete Including Retainage (\$)</b>
1	1/9/2015	1/29/2015	\$425,000.00	\$42,500.00	\$382,500.00	\$382,500.00	2/2/2015	\$10,230,900.00

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT Bid Package 7B**

**PROJECT NUMBER:** SIFPDC-BP7B

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											
2											
3											
4											
5											
6											
<b>Total of Project Change Orders</b>			<b>\$0.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ -</b>

Original Contract Amount      Revised Contract Amount      % Change from Original Amount  
**\$10,613,400.00**      **10,613,400.00**      **0.00%**

\*Board approval required





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Budget and Disbursement Report for January 2015  
Date: February 13, 2015

Current Budget Highlights

Attached is the financial statement for January 2015 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending January 31, 2015, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$16,794,629 while revenues amounted to \$3,804,581 resulting in a deficit of \$12,990,048. A total of approximately \$22,085,668 is 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 November 2014 (the latest month reported by the Illinois Department of Revenue) were up by 2.16% from the previous year. In general, receipts are up 2.74% from last year and are slightly above (\$52,905) the 2012 level, which is the highest year of receipts.

Monthly Disbursements

Attached is the list of bank transactions for January 2015. Total disbursements for the month were \$3,516,387.19. The largest payments were to Lane Construction for BP #6, Kamadulski Excavating & Grading Co for BP #7A, Keller Construction for BP #3 and BP #5, Korte & Luitjohan Contractors for BP #2A and BP #2B, Haier Plumbing for BP #4 and Amec Foster Wheeler.

Recommendation:

Accept the budget report and disbursements for January 2015.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**FOUR MONTHS ENDING JANUARY 2015 AND 2014**





**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 four months ended January 2015 and 2014. 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, 2015 and 2014, 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 "Clifton Larson Allen LLP".

CliftonLarsonAllen LLP

St. Louis, Missouri  
February 11, 2015

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
FOUR MONTHS ENDED JANUARY 31, 2015 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2015 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 3,731,884	\$ 7,463,116
Interest Income	60,000	60,000	72,697	(12,697)
Other Contributions	-	-	-	-
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>3,804,581</u>	<u>7,450,419</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	861,239	7,269,811
Construction	45,791,362	45,791,362	12,347,368	33,443,994
Construction and design by US ACE	-	-	-	-
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>13,208,607</u>	<u>40,713,805</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	83,232	132,768
Diversity Program Manager	64,140	64,140	24,890	39,250
Construction Oversight	-	-	-	-
Other	-	-	-	-
Impact Analysis/Research	-	-	-	-
Financial Advisor	120,000	120,000	2,400	117,600
Bond Underwriter/Conduit Issuer	-	-	6,705	(6,705)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>117,227</u>	<u>282,913</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	539,901	1,342,579
Monroe County	197,080	197,080	56,523	140,557
St. Clair County	1,920,440	1,920,440	550,788	1,369,652
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>1,147,212</u>	<u>2,852,788</u>
Debt Service				
Principal and Interest	7,101,239	7,101,239	2,248,120	4,853,119
Federal Interest Subsidy	(844,610)	(844,610)	-	(844,610)
Total Debt Service	<u>6,256,629</u>	<u>6,256,629</u>	<u>2,248,120</u>	<u>4,008,509</u>
Total Operating Expenses	<u>64,579,181</u>	<u>64,579,181</u>	<u>16,721,166</u>	<u>47,858,015</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	59,403	146,597
Advertising	-	-	-	-
Bank Service Charges	1,500	1,500	487	1,013
Conference Registration	500	500	-	500
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	26,500	26,500	9,400	17,100
Audit Services	15,000	15,000	-	15,000
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	73	327
Printing/Photocopies	2,500	2,500	829	1,671
Professional Services	20,000	20,000	191	19,809
Publications/Subscriptions	250	250	3	247
Supplies	1,500	1,500	657	843
Telecommunications/Internet	2,500	2,500	1,287	1,213
Travel	7,500	7,500	165	7,335
Insurance	1,000	1,000	968	32
Total General & Administrative Costs	<u>288,150</u>	<u>288,150</u>	<u>73,463</u>	<u>214,687</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>16,794,629</u>	<u>48,072,702</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(12,990,048)	40,622,283
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (12,990,048)</u>	<u>\$ 40,622,283</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
FOUR MONTHS ENDED JANUARY 31, 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	\$ 3,620,898	\$ 7,616,102
Interest Income	650,000	650,000	387,988	262,012
Other Contributions	-	-	-	-
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>4,008,886</u>	<u>7,878,114</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	4,000,000	4,000,000	2,841,385	1,158,615
Construction	60,000,000	60,000,000	844,121	59,155,879
Construction and design by US ACE	1,000,000	1,000,000	1,562,250	(562,250)
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>5,247,756</u>	<u>59,752,244</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	117,494	92,506
Construction Oversight	210,000	210,000	73,409	136,591
Other	-	-	-	-
Impact Analysis/Research	-	-	-	-
Financial Advisor	40,000	40,000	1,320	38,680
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>192,223</u>	<u>367,777</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	504,496	1,765,904
Monroe County	220,800	220,800	49,584	171,216
St. Clair County	2,308,800	2,308,800	503,557	1,805,243
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>1,057,637</u>	<u>3,742,363</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	2,273,670	4,833,770
Federal Interest Subsidy	(910,140)	(910,140)	-	(910,140)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,273,670</u>	<u>3,923,630</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>8,771,286</u>	<u>67,786,014</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	76,016	116,315
Advertising	-	-	-	-
Bank Service Charges	600	600	373	227
Conference Registration	500	500	372	128
Equipment and Software	4,000	4,000	1,768	2,232
Fiscal Agency Services	23,000	23,000	8,700	14,300
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	28	972
Postage/Delivery	400	400	149	251
Printing/Photocopies	2,500	2,500	723	1,777
Professional Services	20,000	20,000	33,511	(13,511)
Publications/Subscriptions	250	250	1,992	(1,742)
Supplies	1,500	1,500	759	741
Telecommunications/Internet	2,000	2,000	1,641	359
Travel	15,000	15,000	2,100	12,900
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>129,113</u>	<u>134,968</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>8,900,399</u>	<u>67,920,982</u>
<b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b>				
	(64,934,381)	(64,934,381)	(4,891,513)	60,042,868
<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>\$ (4,891,513)</u>	<u>\$ 50,042,868</u>

# Flood Prevention District Sales Tax Trends 2009-2014

2009												County Share		
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total	
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		
<b>2010</b>														
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%	
<b>2011</b>														
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%	
<b>2012</b>														
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	\$454,995	\$442,808	\$447,128	\$452,169	\$476,359	\$4,901,795
St. Clair	\$354,762	\$395,885	\$460,143	\$436,379	\$458,819	\$470,546	\$426,263	\$434,064	\$445,419	\$433,077	\$446,001	\$520,648	\$4,761,359
Monroe	\$42,321	\$39,665	\$47,587	\$47,796	\$52,206	\$49,022	\$47,357	\$46,167	\$50,056	\$48,920	\$49,552	\$53,853	\$520,648
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249	\$935,226	\$938,283	\$929,126	\$947,722	\$1,114,251	\$10,183,803
Cumulative Total	\$770,978	\$1,590,437	\$2,555,131	\$3,497,036	\$4,492,718	\$5,504,197	\$6,433,446	\$7,368,671	\$8,306,955	\$9,236,081	\$10,183,803	\$11,026,316	
% change/month	-3.01%	0.13%	4.90%	4.03%	3.35%	5.17%	2.99%	1.68%	3.64%	3.98%	2.16%	-2.16%	
% change/total	-3.01%	-1.42%	0.88%	1.71%	2.07%	2.62%	2.68%	2.55%	2.67%	2.80%	2.74%	-2.37%	-2.37%



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL**  
**SUPPLEMENTARY SUPPORTING SCHEDULE**  
**BANK TRANSACTIONS**  
**January 31, 2015**

Beginning Bank Balance January 1		\$	<b>492,603.17</b>
Receipts			
The Bank of Edwardsville	01/07/2015 Refund on Debit Card(Press Plus)	89.95	
UMB	01/23/2015 Funds Transfer Construction	3,475,828.59	
UMB	01/23/2015 Funds Transfer Admin	37,159.58	
UMB	01/30/2015 Funds Transfer Construction	401,598.22	
The Bank of Edwardsville	01/23/2015 Interest January	122.38	
			<b>3,914,798.72</b>
Disbursements			
Zena M. Slow	01/05/2015 Construction	64,338.00	
Amoco Oil Company	01/06/2015 Construction	1,500.00	
Serenity Title & Escrow	01/08/2015 Construction	787.50	
USPS	01/12/2015 Postage	6.49	
Walmart	01/12/2015 Office Supplies	10.88	
AT & T	01/13/2015 Telephone	90.93	
ABNA	01/19/2015 Design & Construction	743.65	
AMEC Earth & Environmental, Inc.	01/19/2015 Construction	214,123.21	
CliftonLarsonAllen LLP	01/19/2015 Fiscal Agent	2,100.00	
Cost Less Copy Center	01/19/2015 Boarding Meeting Materials	172.00	
Haier Plumbing	01/19/2015 Construction	158,700.59	
Husch Blackwell Sanders	01/19/2015 Construction	62,068.19	
Juneau Associates	01/19/2015 Design & Construction	4,865.30	
Marks & Associates	01/19/2015 Professional Services	7,180.00	
Phillip L. Johnson	01/19/2015 Construction	9,750.00	
Smith Dawson & Andrews	01/19/2015 Professional Services	5,000.00	
ABNA	01/19/2015 Design & Construction	69,489.73	
East-West Gateway Council of Governments	01/19/2015 Salary	28,997.37	
Juneau Associates	01/19/2015 Design & Construction	1,798.72	
Juneau Associates	01/19/2015 Design & Construction	739.92	
The Bank-Service Fees	01/23/2015 Wire Fee	10.00	
The Bank-Service Fees	01/23/2015 Wire Fee	10.00	
Kamadulski Excavating & Grading CO, Inc	01/26/2015 Construction	752,294.21	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
The Bank-Service Fees	01/26/2015 Wire Fee	15.00	
Keller Construcion Inc	01/26/2015 Construction	315,617.77	
Keller Construcion Inc	01/26/2015 Construction	211,083.28	
Korte & Luitjohan Contractors Inc	01/26/2015 Construction	36,294.45	
Korte & Luitjohan Contractors Inc	01/26/2015 Construction	181,830.00	
The Lane Construction Corporation	01/26/2015 Construction	1,366,962.07	
Juneau Associates	01/29/2015 Design & Construction	700.54	
Juneau Associates	01/29/2015 Design & Construction	1,365.20	
Juneau Associates	01/29/2015 Design & Construction	7,186.58	
ABNA	01/29/2015 Design & Construction	949.70	
ABNA	01/29/2015 Design & Construction	5,896.20	
Columbia Capital	01/29/2015 Financial Advisor	600.00	
Dorgan, McPike & Assoc, LTD	01/29/2015 Professional Services	3,000.00	
The Bank-Service Fees	01/29/2015 Wire Fee	10.00	
Office Max	01/30/2015 Office Supplies	7.47	
The Bank-Service Fees	01/30/2015 Bank service fees	17.24	
			<b>3,516,387.19</b>
		\$	<b>891,014.70</b>





Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #3 and BP #6,

Date: February 18, 2015

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 currently applies Bid Package 6 and will apply to Bid Package 3 after approval of these change orders.

We have three change orders, which Amec Foster Wheeler will be explaining at the meeting.

**Bid Package 3 – Under Seepage Control Improvements – Wood River Levee District  
Change Order 9 Description: Hawthorne Changes North & South**

In order to avoid several existing utilities that were found to be in the west slope of the ditch leading to the pump station (adjacent to Route 3), 16 of the 18 relief wells in the Hartford (Hawthorne Ave.) area were moved to the back slope / east side of the ditch, in the area adjacent to Old St. Louis Ave. The existing utilities in this location are not part of the JULIE system and were found to be in conflict after each individual utility owner physically located their utility. Only RW-1075 & RW-1076 remain in the originally designed location. The proposed Type T-Relief well outlets were held at the same elevations. Similarly the pipe system that will collect relief well flow from RW-1081, RW-1082, & RW-1083 was moved into the middle of Old St. Louis Avenue to avoid a major fiber optic bundle in the bottom of the existing ditch and to minimize impact to some very well established, healthy trees along the back slope of the ditch. The new position of the wells to the back slope of the ditch was analyzed in SEEP/W and found to exhibit a difference of 0.01 in the factor of safety, which we consider negligible. For six wells that had existing pilot holes drilled, new pilot holes will be drilled in the new location. The remaining pilot holes that were scheduled to be drilled west of the ditch will be drilled in the new locations east of the ditch

Recommended Change Order Total: \$558,086.80

**Bid Package 3 – Under Seepage Control Improvements – Wood River Levee District  
Change Order 10 Description: Blanket Drain #2 Modifications**

Blanket Drain 2 is being modified due to the discovery of 4 existing relief wells and 3 existing culverts in the blanket drain extents; these were uncovered after tree clearing was completed by the contractor. The relief wells were completely silted in and filled with mud/dirt. Similarly, the existing culverts were silted in and/or covered by heavy brush and foliage. When we notified the Corps of Engineers we learned that 2 additional relief wells are to be installed in the extents of the blanket drain, and that we could not abandon any existing relief wells that were not wood stave. The resulting design modification/addition was a pipe system to convey flow from three (3) existing culverts and four (4) existing relief wells (2 recently installed by USACE, and 2 older existing relief wells). This change also includes the abandonment of 2 of the discovered, wood stave relief wells. The pipe conveyance system was required because the blanket drain would have covered these features up and left them inoperable without such a pipe to convey their flow. The four (4) relief wells found will need to be converted to Type “T” relief wells, discharging into the new manifold system.

Approximately half of the change order cost is due to an increased layer thickness of rip rap (large rock) atop the blanket drain, which was required to provide minimum material cover over the newly designed pipe once installed.

The revisions in this change order include: additional relief well abandonments, conversions of existing relief wells to Type “T” wells, rip rap, HDPE pipe, precast flared end section, manholes, and catch basins as listed in the Contractors proposal document. Additionally, there is a decreased production rate for the blanket drain installation since the contractor now has to work around a large pipe conveyance system through the center of the blanket drain.

This work is required to be complete before certification documentation can be send to the Corps of Engineers for their certification of the Upper Wood River Levee System.

Change order total: \$509,085.18

**Bid Package 6 – Seepage Control Improvements – Prairie du Pont & Fish Lake Levee Districts  
Change Order 16 Description: Miscellaneous Pipe and Manhole Changes**

Description	Justification	Total Cost
Additional type T structure Height (46.69 ft.)	Increase Lidar data. And revised height due to elevation design changes.	\$7939.04
Concrete Headwall and Flap Gate at RW-200X	A new relief well is required at the Palmer Pump Station, to replace existing USACE well UNK6. The existing well does not produce water. The new relief well and its pilot hole were included in a previous change order. The current line item is for the	\$4070.00

	discharge structure for the flow from this well.	
HDPE pipe 12 inch added to P-200X	A new relief well is required at the Palmer Pump Station, to replace existing USACE well UNK6. The existing well does not produce water. The new relief well and its pilot hole were included in a previous change order. The current line item is for the lateral pipe for the flow from this well	\$1155.00
HDPE pipe 12 inch added to 70-C	Value added to install extra pipe but deleting a manhole.	\$3955.00
Manhole – 48 inch deleted JN-70 C	Value added to install extra pipe but deleting a manhole.	-\$2250
HDPE pipe 12 inch deleted P-S516 for 70C.	Value added to install extra pipe but deleting a manhole.	-\$4865
Total for BP 6		\$10,004.04

Recommendation: Authorize the Chief Supervisor to approve BP03 Change Order 9 \$558,086.80; BP03 Change Order 10 \$509,085.18; and BP06 Change Order 16 \$10,004.04. Total cost of these all change orders not to exceed **\$1,077,176.02**





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Amec Foster Wheeler Work Order 11 – FEMA Certification Submittals  
Date: February 13, 2015

With the our projects under construction, it is time for Amec Foster Wheeler Environment & Infrastructure , Inc. (formerly AMEC Environment & Infrastructure) to start the preparation of the Levee Certification Reports documenting compliance with FEMA 65.10 for each of the Levee Systems that are being upgraded.

Amec Foster Wheeler will prepare reports as outlined in the attached memo for the following Levee Systems:

- Upper Wood River
- Lower Wood River
- Wood River East/West Fork
- MESD
- PDP/Fish Lake

As you can see from the attachment, each Levee Certification Report is very comprehensive and contains numerous appendices which include individual reports identifying the evaluation process used to determine that the certification process has been met.

I might add, that even though this task was originally anticipated to be performed over two years ago, the requested fee for these services is essentially the same as identified in AMEC proposal to the Council in May 2010.

A detailed scope of work and cost estimate for the FEMA Certification Submittals is attached to this memo.

**Recommendation:** Authorize the Chief Supervisor to execute Work Order 11 with Amec Foster Wheeler Environment & Infrastructure Inc. for the preparation of FEMA Certification Submittals for each of the levee systems that are being upgraded, as shown in the attachment, in the amount of \$325,000.





**WORK ORDER NO: MSA01-WO11**

**FEMA Certification Submittals**

**February 18, 2015,**

By and Between

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler)

and

**Southwestern Illinois Flood Prevention District Council (CLIENT)**

CLIENT Office: 104 United Drive Amec Foster Wheeler Project No: 563170001  
Collinsville, IL 62234

CLIENT Contact: Charles Etwert Work Order Type: (Check One)

Amec Foster Wheeler Office: 15933 Clayton Road Time and Materials (rates attached) X  
Suite 215 Fixed Price \_\_\_\_\_

Amec Foster wheeler Contact: Ballwin, MO 63011  
Jon Omvig CLIENT Reference No: n/a

1. SCOPE OF WORK: See Attachment A (incorporated herein by reference)

2. LOCATION/CLIENT FACILITY INVOLVED: Lower Wood River Levee, East Fork Wood River Levee, Upper Wood River Levee, Metro East Sanitary Levee and PdP/FL Levee

3. PERIOD OF PERFORMANCE: February 18, 2015 through July 1, 2016

4. AUTHORIZED FUNDING: \$325,000

5. SPECIAL PROVISIONS: n/a

**Southwestern Illinois Flood Prevention District Council**

**Amec Foster Wheeler Environment & Infrastructure, Inc.**

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: Charles Etwert

Name: Jon Omvig

Title: Chief Supervisor of Construction and the Works

Title: St. Louis Office Manager

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Address: 104 United Drive  
Collinsville, IL 62234

Address: 15933 Clayton Road, Suite 215  
Ballwin, MO 63011

## Attachment A Scope of Work

### WORK ORDER NO: MSA01-WO12

#### A. Overview

Amec Foster Wheeler will develop separate levee certification reports documenting compliance with FEMA 65.10 for each of the following levee systems. A scope of work for each of these levee certification reports is listed below in Section B of this Scope of work.

Levee Systems to be certified per the requirements of FEMA 65.10

1. Upper Wood River<sup>1</sup>
2. Lower Wood River
3. Wood River East/West Fork
4. MESD<sup>2</sup>
5. PDP/Fish Lake

<sup>1</sup> For Upper Wood River, Amec Foster Wheeler will not provide a certification report as listed in Task 1 in Section B of this Scope of Work. However, for all portions of Upper Wood River, with the exception of the Mel Price levee segment, Amec Foster Wheeler will provide reports documenting the analysis and 65.10 compliance of the levee for of each of the certification tasks, as listed in Tasks 2 through 9 in Section B. The USACE St. Louis District will be entirely responsible for all analyses included in Tasks 2 through 9 of Section B for the Mel Price Levee Segment in Upper Wood River. It is assumed that the USACE St. Louis District will then use this information they develop for the Mel Price levee segment, along with the information provided by Amec Foster Wheeler for the rest of the Upper Wood River levee system, to submit a certification report for the entire Upper Wood River Levee System. Coordinating with FEMA to achieve certification on the Upper Wood River levee system is ultimately the responsibility of the USACE St. Louis District.

<sup>2</sup> For MESD, Amec Foster Wheeler will develop a certification report as outlined in Task 1 in Section B of this Scope of Work, including the Chain of Rocks levee segment of MESD. However, for the Chain of Rocks levee segment, the certification report completed by Amec Foster Wheeler will rely on specific reports and information provided by the USACE St. Louis District as follows. Amec Foster Wheeler will complete Task 2 (Freeboard) for the entire MESD levee system including the Chain of Rocks levee segment. For Task 3 (Closures), Task 4 (Embankment Protection), Task 5 (Embankment Stability), Task 6 (Embankment Settlement), Task 7 (Interior Drainage), Task 8 (Operations & Maintenance Manual) and Task 9 (As-built Plans), Amec Foster Wheeler will develop reports for all portions of the MESD levee system with the exception of the Chain of Rocks levee segment. It is assumed that for Tasks 3, 4, 5, 6, 7, 8 and 9 of the Chain of Rocks levee segment, the USACE St. Louis District will develop these reports in their entirety including the completion of any analyses needed to substantiate the reports, and provide them to Amec Foster Wheeler to document 65.10 compliance. It is assumed that reports for each of these tasks for the Chain of Rocks levee segment will be finalized, signed reports with sufficient detail to document 65.10 compliance for the Chain of Rocks levee segment. Tasks 8 and 9 specifically address Operations & Maintenance Manuals and As-built drawings. Amec Foster Wheeler will complete a standalone O&M Manual for the MESD levee system, excluding the Chain of Rocks levee segment. Amec Foster Wheeler will



also develop As-built/As-is drawings for MESD, excluding the Chain of Rocks levee segment. It is assumed that the USACE St. Louis District will develop and provide Amec Foster Wheeler a standalone O&M manual and As-built plans for the Chain of Rocks levee segment that meet the requirements of FEMA 65.10, so that it can be provided as part of the overall levee certification report.

## **B. Levee Certification Report**

1. Report – Amec Foster Wheeler will develop a certification report for each levee system as listed in Section A of this Scope of Work. The report will include the following sections:
  - History
  - System Description
  - Visual Assessment
  - Certifications
    - i. Freeboard
    - ii. Closures
    - iii. Embankment Protection
    - iv. Embankment Stability
      1. Under Seepage
      2. Through Seepage
      3. Embankment Stability
      4. Floodwalls
    - v. Embankment Settlement
    - vi. Interior Drainage
    - vii. Operations and Maintenance Plans, and As-builts
  - Short Term Maintenance Recommendations
  - Long Term Maintenance Recommendations

Each certification report will reference one or more appendices which will include individual reports discussing the evaluation process used to determine that the certification requirement was met. The following tasks 2 through 9 discuss how each of these items will be addressed.

2. Freeboard Appendix – Amec Foster Wheeler will develop a freeboard report for each levee system, describing the process which freeboard was evaluated. The report will include a map of the levee system, showing both the existing and required freeboard at all locations. This will be a GIS based map with color coded points and a legend representing freeboard. In those cases where new riverine H&H analyses were completed, a Hydrology and Hydraulics Report for each flooding sources will be added as an appendix, describing the new study. In addition, all new hydrologic and hydraulic models will be provided electronically, including supporting GIS and survey data.

3. Closures – Amec Foster Wheeler will develop a closure report discussing the process which closures were evaluated. Tables of all transportation closures, all interior drainage closure structures, and any utility closures will be included in the report. An appendix to this report will be included, which will include the assessment check sheet of the adequacy of each closure. Operations procedures for closures structures will be discussed in the Operations and Maintenance Manual for the levee system.
4. Embankment Protection – Amec Foster Wheeler will develop an embankment protection report for each levee system, describing the process which embankment protection was evaluated. This will included a discussion on visual observations, historical assessments, and velocity and embankment protection type for each reach within the levee system
5. Embankment Stability – Amec Foster Wheeler will develop a geotechnical report, which will discuss the embankment stability assessment including underseepage, through seepage, embankment stability, and floodwall stability. The report will include as discussion of how these evaluations were performed, and associated factors of safety and/or exit gradients for each reach assessed within the system. Included in the appendices of this report will be all boring logs, lab testing results and output files from seepage and stability calculations.
6. Embankment Settlement – Amec Foster Wheeler will include a discussion of our embankment settlement analysis and how the evaluation was performed in the Geotechnical Report discussed above in Task 5.
7. Interior Drainage – Amec Foster Wheeler will develop an interior report for each levee system, describing the process which interior drainage was evaluated. The report will include a map of the levee system, showing all interior drainage structure, pump station locations, and ponding areas. Elevations for each of the ponding areas will be provided in a table in the report. A Hydrology and Hydraulics Report for each of the interior drainage structure groups will be added as an appendix, describing the new study. In addition, all hydrologic and hydraulic models will be provided electronically, including supporting GIS and survey data.
8. Operations & Maintenance Manuals – Amec Foster Wheeler will develop an Operations & Maintenance Manual for each levee system. The O&M manuals will generally follow the following format:
  - Location of Levee System
  - Description of Levee System
  - Construction History
  - Project Performance
  - Operation

- Emergency Operations
    - i. Operation of Transportation Closures
    - ii. Operation of Interior Drainage Closures
  - Maintenance and Inspection
  - Surveillance
  - Repair, Replacement and Rehabilitation
  - Notification of Distress
  - Appendix
9. As-Built Plans – Amec Foster Wheeler will consolidate and provide existing as-built drawings for the levee system. In addition, for areas of recent construction, Amec Foster Wheeler will develop new as-built drawings for those levee sections. Finally, Amec Foster Wheeler will develop a set of GIS based “as-is” drawings showing the location of the levee center line, interior drainage structures, pump stations, transportation closures structures, flood walls, operations centers, operations materials such as sand bags and stop logs, and identified interior ponding areas.





Memo to: Board of Directors

From: Chuck Etwert

Subject: Resolution Expressing Official Intent Towards Restoring the Federally Authorized Level of Flood Protection in the Metro-East

Date: February 13, 2015

With the Corps of Engineers' recent decision on the utilization of Project Labor Agreements (PLAs), the FPD must decide its course of action for achieving the authorized 500-year flood level of protection for the Metro-East area.

The FPD has accomplished much during its brief existence. Our schedule has slipped due to easement obtainment, high river, and the weather, but we are well on our way of achieving the interim goal of 100-year protection and accreditation by FEMA. All projects should be completed by the end of the year with accreditation to follow in 2016.

It appears that the cost of the projects will come in under original preliminary costs, and that we will have a fund balance of over \$20,000,000. In addition, per Columbia Capital's presentation last August, it appears that there is a potential to generate another \$74,500,000.00 through an additional bond issue.

With over \$94,000,000 potentially available for design and construction, a lot can be accomplished toward the 500-year level of protection. The Metro-East cannot afford to wait for the Corps of Engineers for funding and changing their stance on PLAs. The FPD needs to proceed with a cost effective plan, utilizing PLAs, and building the highest priority projects in each county.

Recommendation:

Approve the attached resolution expressing official intent to restore the federally authorized level of flood protection in the Metro-East.



# **Southwestern Illinois Flood Prevention District Council**

## **RESOLUTION Expressing the Official Intent To Restore the Federally Authorized Level of Mississippi Flood River Protection in the Metro-East**

WHEREAS, the Southwestern Illinois Flood Prevention District Council has made great progress towards meeting its goal of fully protecting the Metro-East from a 100-year flood by the end of 2015; and,

WHEREAS, the threat from the Federal Emergency Management Agency to classify the area as prone to flooding will be averted, along with the terrible economic consequences of the action; and

WHEREAS, the Council has demonstrated that the most expeditious and cost-effective approach to improve flood protection over the last several years is to use local funds to undertake critical flood protection projects; and

WHEREAS, the Council cannot continue to delay needed improvements to flood protection because of the lengthy, unpredictable, and costly design and construction process conducted by the U.S. Army Corps of Engineers; and

WHEREAS, the Corps of Engineers is unwilling to comply with local workforce policies; and

WHEREAS, dramatic progress can be made when the pace and cost of construction is determined locally; and

WHEREAS, the design and construction of projects by the FPD can move ahead rapidly and at a far lower cost than by delegating this work to the Corps of Engineers; and

WHEREAS, the FPD has available funds and availability of future federal funding is unknown; and

WHEREAS, the design and construction of projects built by the FPD using local funds may be considered for future Work In-Kind Credit by the Corps of Engineers as allowed by the use of Memoranda of Understanding, the inclusion in Integral Determination Reports, and the amendment of Project Partnership Agreements; and

WHEREAS, economic growth can be expected if the authorized level of protection is being pursued; and

WHEREAS, now is the time to initiate the restoration of the federally authorized level of flood protection in the Metro-East providing the region with a higher level of flood protection, while simultaneously completing the 100-year level projects; and

WHEREAS, the long-term goal of the FPD is to fully restore the federally authorized level of flood protection (Mississippi River elevation of 54 feet on the St. Louis gauge -- also known as the 500-Year flood).

NOW, THEREFORE, It Is Hereby Resolved by the Board of Directors of the Southwestern Illinois Flood Prevention District Council that it is the intent to restore the federally authorized 500-year level of Mississippi River flood protection through the following actions:

1. *Design.* Immediately begin the design of the most critical and cost-effective projects to restore the federally authorized level of flood protection; and

2. *Funding Strategy.* Take immediate steps to implement a funding strategy with the FPD being totally responsible for the design and the construction of flood protection (authorized level) projects. This includes using current surplus funds and judicious borrowing to maximize the available funding for capital expenditures on flood protection through the year 2020 (\$94,500,000 is currently estimated to be available), building the most cost effective and highest priority projects throughout the Counties of Madison, Monroe, and St. Clair, Illinois; and

3. *Workforce Policies.* Comply with all current FPD workforce policies to ensure fair wages and working conditions for project workers, encourage the use of local workers, and avoid any work stoppages that could delay projection completion; and

4. *Levee Districts Participation.* Seek the financial participation of each Levee District to generate additional funds to supplement FPD funding and enable additional construction; and

5. *Corps of Engineers Participation.* Notify the Corps of Engineers of the FPD's strategy and request that the Corps expedite projects that are 100% federally funded, such as the emergency design deficiency correction at the Melvin Price Locks and Dam, a project-that was identified as an emergency need six years ago, but still lacks a federally sanctioned permanent design solution and any funding for construction..

If any section, paragraph or provision of this Resolution shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such section, paragraph or provision shall not affect any of the remaining provisions of this Resolution.

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President, Board of Directors

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Secretary, Board of Directors