



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
December 17, 2014 7:30 am**

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

1. Call to Order  
*John Conrad, President*
2. Approval of Minutes of November 19, 2014
3. Public Comment on Pending Agenda Items
4. Program Status Report  
*Chuck Etwert, Chief Supervisor*
5. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
6. Design and Construction Update  
*Jay Martin, AMEC Environment & Infrastructure*
7. Change Order - BP #7A  
*AMEC Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
8. 500-Year (Authorized Level) Flood Protection  
*Chuck Etwert, Chief Supervisor*
9. Update from Corps of Engineers  
*Tracey Kelsey, U.S. Army Corps of Engineers*

**AGENDA**

10. Public Comment

Executive Session (if necessary)

11. Real Estate Transactions

*Chuck Etwert, Chief Supervisor*

12. Other Business

13. Adjournment

**Next Meeting: January 21, 2014**

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING November 19, 2014

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday November 19, 2014.

#### Members in Attendance

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

#### Members Absent

Ronald Polka, Monroe County Flood Prevention District

#### Others in Attendance

Delbert Wittenauer, Monroe County Board Chair  
Alan Dunstan, Madison County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
Raymond Bailey, ABNA Engineering  
Rich Conner, Levee Issues Alliance  
Randy Cook, AMEC Environment & Infrastructure  
Mike Feldmann, U.S. Army Corps of Engineers  
Walter Greathouse, Metro-East Sanitary District  
Bobby Green Laborers Local #100  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Phil Johnson, Phil Johnson Realtor  
Ronald S. Kaempfe, IUOE Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Greg Kipping Laborers Local 196  
Steve Kochan, Wood River Levee & Drainage District  
Ellen Krohne, Leadership Council SW Illinois  
Jay Martin, AMEC Environment & Infrastructure  
Bob Massa, Juneau Associates  
Rick Mauch, SCI Engineering  
Joe Parente, Madison County  
Pat Sheppard, Laborers #338

Brennen Soval, Husch Blackwell LLP  
Dale Stewart, Southwestern Illinois Building Trades Council

**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 October 15, 2014**

A motion was made by Ron Motil, seconded by Jim Pennekamp, to approve the minutes of the Board meeting held on October 15, 2014. Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved.

**Public Comment on Pending Agenda Items**

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

**Program Status Report**

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

Mr. Etwert indicated that work continues on the acquisition of easements needed to complete the projects that have been awarded. We are now down to 4 owners involving 10 parcels on the BP #3 and BP #7B construction projects. The easements involve the Union Pacific Railroad, American Oil Company, Olin Corporation, one individual. As previously mentioned, it is imperative that we reach agreements with these property owners as soon as possible. He indicated that AMEC would be discussing in their update presentation the effect that not having these easements is having on the BP #3 and BP #7B projects and that there would be an executive session at the end of the meeting to discuss one or two easement situations.

Approximately 40% of the \$44 million of construction involved in the seven current construction bid packages had been completed thru October 31<sup>st</sup>.

Construction continued to improve in October with over 3.2 million dollars' worth of construction being completed, the highest month to date.

Mr. Etwert indicated that there were numerous change orders on this month's agenda, involving BP #2B, BP #3, BP #4, BP #5, BP #6 and BP #7A, and that AMEC will be explaining each.

On October 29<sup>th</sup>, the FPD received a response from the Corps of Engineers regarding our request for In-Kind Credit for the Wood River Levee System. The Corps has agreed to utilize a Memorandum of Understanding (MOU) regarding the use of In-Kind Credits until implementation guidelines for Section 1018 of the Water Resources Reform and Development Act (WRRDA) of 2014 can be finalized. A copy of the finalized MOU previously e-mailed to each Board member was provided at the meeting. At the request of the Corps, the FPD followed up with a similar In-Kind Credit request for the East St. Louis Flood Protection Project and the Prairie Du Pont – Fish Lake Flood Protection System. On today's agenda, there will be an item requesting the authority (similar to that granted last month for the Wood River System) to enter into Memorandums of Understanding (MOUs) regarding these additional projects. A copy of the Corps response and the FPD's new request, both previously e-mailed to the Board, was also provided at the meeting.

On Friday, November 14<sup>th</sup>, the FPD was informed of the Corps of Engineers' decision regarding the utilization of Project Labor Agreements (PLAs). Unfortunately, the decision is nothing more than what Col. Hall indicated to the Board at the meeting in June. . The Corps would allow bidders to submit proposals with a PLA, without a PLA, or both. The lowest technically acceptable price would be selected with or without a PLA. There would be no guarantee of the utilization of a PLA. There wouldn't even be some type of weighting given to the use of a PLA in the evaluation process, which was mentioned as a possibility in FY2016. It is very disappointing that it took seven months for them to come up with the same decision. Again no supporting evidence from their intensive market survey evaluation was provided to justify their decision. A copy of Col. Mitchell's letter was provided to the Board.

Mr. Etwert indicated, the Corps also requested non-federal share funding for the design and for the construction of projects required to achieve the 500-year authorized level. The Corps has to submit its' FY2015 funding utilization plan before the end of the month.

Requested for design was \$2,915,600 for design in the Wood River and MESD Districts, which would have also required a \$2,025,000 work order with AMEC to provide subsurface investigations (utilizing PLAs) needed to support the Corps design activities, for a total of \$4,940,600.

Requested for construction was \$4,523,000 for the construction of a portion of the deep cutoff wall in MESD and \$5,385,000 for the construction of the Wood River Upper cutoff wall and the Wood River Lower cutoff wall.

In view of the PLA decision, it was thought it would be best to evaluate how the Corps' decision will affect the approach the FPD takes in the future, prior to making any additional commitment of funds.

Mr. Etwert indicated he wasn't comfortable authorizing almost \$15,000,000 of the estimated \$20,000,000 surplus at this stage of construction on our projects. It doesn't take long for change orders to add up when there are multiple projects dealing with subsurface conditions going on at the same time.

The Board was provided copies of the Corps' funding requests, along with a paper copy of the AMEC's Monthly Progress Report for November.

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

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

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$4,517,139 while revenues amounted to \$1,001,415 resulting in a deficit of \$3,515,724. A total of approximately \$21,058,171 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for August 2014 (the latest month reported by the Illinois Department of Revenue) were up by 1.68% from the previous year. In general, receipts are up 2.55% from last year and continue to run between 2011 and 2012 levels.

The report includes bank transactions for October 2014. Total disbursements for the month were \$2,239,122.82. The largest payments were to Lane Construction for BP #6, Haier Plumbing for BP #4, Keller Construction for BP #3 and BP #5, Korte & Luitjohan Contractors for BPs #2B and AMEC.

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

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

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

- All change order and punch list items are complete. Vegetation establishment will be monitored through the spring.

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

- Site 5 – Structures, Force Mains, Earthwork, and Electrical Complete. Force main testing and setting of pumps will be completed in November.
- Site 10 – Structures, Force Mains, and Earthwork Complete. Pumps Installed. Electrical rough-in should begin in November
- Site 12 – Existing intake structure demolished. Excavation for new intake structure underway.

- Site 15 – Structures, Force Mains, Earthwork, and Electrical Complete. Pumps Installed. Start-up/training scheduled for this week.
- Site 16 – Structures, Force Mains, Earthwork, and Electrical rough-in complete. Ameren to install primary power in November.

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

- Invitation to bid sent to prospective bidders on 17 October 2014
- Bids were opened 12 November 2014
- Haier plumbing is the low bidder out of the two bidders for this project.

**BP #03 – WR Seepage Improvements**

- Land acquisition still impacting full mobilization; Project duration is approximately 7 months minimum (weather dependent)
- Piezometer installation continues. 16 of 48 PZs complete
- Rip Rap in Creek at the Cahokia Creek Diversion Channel is 50% complete. To date close to 2,500T of rip rap has been placed as slope protection
- Blanket Drain construction set to begin in November

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

- Valve vault and outfall structures complete. Dewatering operations have commenced. Intake structure will begin mid/late November
- Force Mains on riverside between outfall and valve vault structures are complete
- Relief well drilling continues, 18 of 19 RWs have been drilled.
- Clay Cap work is delayed until Spring/Summer 2015

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

- Relief well drilling continues. 36 of 70 RWs have been drilled.
- Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B) will begin in November pending Ameren relocations
- Relief well collector system on south flank of MESD by Site 10 and Site 16 set to begin mid-November
- Clay cap work is delayed until Spring/Summer 2015

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

- Relief well drilling continues. 14 of 66 RWs have been drilled.
- Seepage berm construction continues.
- Clay cap work has begun. Clay is being stockpiled. Clay Cap construction may be delayed until Spring/Summer 2015
- Sluice Gate rehabilitation/replacement set to begin mid-November
- Lining of the triple 84” culverts at Palmer Creek Pump Station will resume upon completion of sluice gate rehabilitations



**BP # 7A – Shallow Cut Off Wall**

- Work began onsite on October 6, 2014
- Levee degradation 100% complete
- Working platform for cut off wall 100% complete
- Cut off wall construction began 14 November. Expected duration = 3 weeks (weather dependent)  
2 Piezometers have been installed; monitoring is ongoing

**BP # 7B – Deep Cut Off Wall**

- Notice of Award issued September 9, 2014
- Contract Executed September 23, 2014
- Notice to Proceed pending land acquisition

**Construction Photos**

**Bid Package 2A** – Gravity Drain Change Order - Complete

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

Site 10 – Landside Earthwork Complete

Site 12 – Demo of Existing Structure and Installing Shoring for New Intake Structure

Site 15 - Earthwork Complete

Site 16 – Earthwork Complete

**Bid Package 03** – Rip Rap in Creek

**Bid Package 04** – Site 09 Riverside Force Mains

**Bid Package 05** – RW Drilling Operation on MESD South Flank

**Bid Package 06** – Completed Seepage Berm – Station 170+00 Prairie Du Pont

**Bid package 7A** – Cut off Wall Working Platform Construction

There was a brief discussion regarding the placement of additional relief wells and the handling non performing relief wells.

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

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

The motion was approved unanimously.

**Work Order No. 1 – Amendment 1 ABNA Engineering, Inc. – Quality Control and Materials Testing**

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

Mr. Etwert explained that in August 2013, the Board approved a Master Services Agreement and Work Order No. 1 for Construction Quality Control and Materials Testing Services for Bid Package #6 with ABNA Engineering for a period from September 1, 2013 through December 31, 2014.

The Master Services Agreement described the contractual terms and conditions, the Work Orders that would be executed to accompany each bid package, with ABNA complementing the Construction Inspection and Quality Assurance Services being performed by AMEC as part of their construction management contract with the Council.

Due to the high river conditions earlier this year, the contractor finding suitable clay cap material, and the clay cap specifications themselves, the amount of testing services required for this bid package has increased dramatically. Supplemental funding is requested due to the extension of the completion date, increases in the materials quantities placed & number of retests, and additional testing scope.

A detailed scope of work and cost estimate for the additional services has been reviewed and approved by AMEC. The cost associated with this scope of work is an hourly, Not to Exceed dollar amount of \$216,000 which includes \$68,000 for on-site field grout/concrete and soil inspection and testing and \$148,000 for laboratory testing.

ABNA's original cost for Bid Package #6 Work Order No. 1 was \$368,524.

Mr. Etwert recommended that the Chief Supervisor be authorized to execute Work Order No. 1 – Amendment 1 with ABNA Engineering, Inc. for Construction Quality Control and Materials Testing Services for Bid Package #6 at an additional cost not to exceed \$216,000.

There was a brief discussion regarding the sequence of events that created the need for the increase in testing services, the contractor's responsibility for providing proper samples for testing, and the specifications of the project. At this time, it appears that increases will not be needed for Quality Control and Materials Testing Services on the other bid packages.

Mr. Parks arrived during the presentation.

Mr. Conrad asked for a motion to accept Mr. Etwert's recommendation. A motion was made by Mr. Maher with a second by Mr. Parks to authorize the Chief Supervisor to execute Work Order No. 1 – Amendment 1 with ABNA Engineering, Inc. for Construction Quality Control and Materials Testing Services for Bid Package #6 at an additional cost not to exceed \$216,000.

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

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

The motion was approved unanimously.

**Change Orders BP #2B, BP #3, BP #4, BP #5, BP #6, & BP #7A**

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

Mr. Etwert indicated as he mentioned in the Progress Report earlier that there are numerous change orders on the agenda today, which AMEC will be explaining. 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. Board approval is also required on all change orders if the total of all change orders on a project exceed ten percent of a project's original cost, which is the current situation with BP #6.

Mr. Randy Cook reviewed each of the change orders with a brief explanation and answered questions as each was presented.

**Bid Package 2B – Site 10- Change Order 8 – Electrical Revisions \$74,200.00**

Ameren requires upgrades to the existing pump station at Site10. Contractor is to demo the existing 600A overhead feeder between the utility pole mounted transformer and the 800A MCC located inside the building housing the existing station. Provide a unistrut structure inside fence area located close to the utility power pole to support the following electrical equipment: A CT/PT cabinet to house the Utility meter; two 600A, 600V, fused, heavy-duty, NEMA 3R in aluminum enclosure disconnect switches for the existing and new station; Provide underground conduits with 600A feeders for the existing and new station: Run the 600A underground feeder for the existing station between the new 600A disconnect switch and the existing lower pull box located on the exterior wall of the existing station and through the pull box into the existing MCC; Run the 600A underground feeder for the new station between the new 600A disconnect switch and the control/power panel for the new station.

There was a discussion regarding Ameren's policy regarding service and their request for additional upgrades to this pump station.

The Board also expressed their concern regarding the process, size, number, and validity of the change orders on the agenda.

**Bid Package 3 – Change Order 6 – Upsizing Top Layer of all Blanket Drains \$278,694.99**

The contractor for this project has recently installed a similar feature in the area capped with CA-1 (not part of this project) and notified AMEC that the CA-1 was almost completely washed out during a recent heavy rain event. AMEC has decided to upsize the top layer of all blanket drains to a bigger rock (Modified RR-3) to minimize wash out of the blanket drain top layer. The top layer is not used to filter under-seepage, but only used to hold down the geo-fabric atop the filter sand.

**Bid Package 3 - Change Order 7 – Indian Creek Rip Rap \$173,166.89**

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.

There was a discussion regarding the deterioration of the banks between design and actual construction. It was explained that there wasn't an actual field survey but information was obtained by a LiDAR survey which is a remote sensing technology that measures distance by illuminating a target with a laser and analyzing the reflected light. This occurred three to four years prior to construction and it was possible that additional scour had resulted during this time.

**Bid Package 4 – Change Order 9 – Site 9 Electrical Revisions \$54,680.20**

Ameren requires upgrades to the existing pump station at Site 9. The Electrical Contractor is to provide the following work, equipment and materials: demo the existing feeder between the utility transformer and the existing station. Provide a unistrut structure located close to the utility transformer to support the following electrical equipment: A CT/PT cabinet to house the Utility meter; One 400A and one 600A, 600V, fused, heavy-duty, NEMA 3R in Aluminum enclosure disconnect switches for the existing and new station. Provide underground conduits and feeders for the existing and new station. Run the 300A underground feeder for the existing station between the new 400A disconnect switch and the existing station; Run the 600A underground feeder for the new station between the new 600A disconnect switch and the control/power panel for the new station.

**Bid Package 5 – Change Order 7 –Piezometer Seal Modifications \$31,680.00**

Increase depth of concrete seal at top of piezometer and position coupling below seal. Original detail for Piezometer Above Grade called for concrete seal to extend 6" minimum below ground surface and have the coupling positioned directly below concrete. The new detail extends the concrete seal 4' below ground surface which should provide more stability for the above-grade part of the piezometer. The coupling was relocated to a depth 6" minimum and 12" maximum

below the bottom of the seal to facilitate uncoupling and replacing the upper part, without replacing the entire piezometer, if it is damaged at some point in the future.

**Bid Package 6 – Change Order 13 – Various \$43,664.49**

- a. 84” Bulkhead Painting **\$1,558.28** – This request is based on the payment section of 09 97 02 of our specifications; this pay item was not included in original bid.
- b. T&M Clay Cap Undercut **\$23,331.21** – The purpose being to bridge the unstable material and provide a working subgrade for clay cap construction. The undercut area will be quantified and recorded on the daily QAR. The contractor will also drain and standing water in the other clay cap areas to attempt to minimize potential undercut quantities.
- c. PZ 689L Additional Work -Driveway & Landscape Restoration **\$6,625.00** - PZ 689L was not included in our original scope, but was added via Change Order 8 which increased the item quantity from 5 to 6 each. However, this PZ will require additional effort because it was buried by one of the pump station contracts and it is located in the edge of a driveway
- d. Modify Piezometer - Raise to Grade -6 each @ \$4,210 (**-\$25,260.00**) – This is to indicate credit for eliminating the Modify Piezometer Raise to Grade.
- e. Modify Piezometer - Raise to Grade Special 6 each @ \$5,335 **\$32,010.00**. This is to replace the eliminated Modify Piezometer Raise to Grade to accommodate field conditions. The existing piezometers are 1.25” or 1.5” diameter rather than the 2” diameter, as indicated. Also, the existing concrete encasement around the piezometers is much smaller than indicated on the plan detail. In order to prevent abandoning these 6 piezometers, and installing new, we provided an alternate method/detail to raise these to grade which was approved on 11/6/2014. The cost increase reflects the cost of the additional work, coupling, and concrete that is required using the modified raise to grade method.
- f. With the change of the air test requirement, and subsequent change to Sanitite pipe, we will have to install couplings at the tie in points to the existing pump stations. Fernco Coupling N12 to Sanitite **\$5,400.00**

**Bid Package 7A – Change Order 2 – Electrical/Telephone Conflicts \$108,897.50** - An electrical manhole vault (12’x12’x6’) was found to be in direct conflict with the slurry wall at station 4+25. The contractor will excavate/ demolish the existing vault and install a new relocated electrical manhole vault. The Corps of Engineers requested that the existing and relocated electrical and telephone utility lines be ran over the clay cap instead of under the clay cap. The existing telephone and electrical lines will be ran over the clay cap and encased in red concrete and a clay “hump”. A telephone manhole will be demolished and relocated next to the new electrical manhole. The Contractor to supply additional generator time for Alton Marina, since the power will be interrupted multiple times.

There was a discussion regarding the Corps requiring the utility lines being run over the clay cap instead of under the clay cap, the unexpected large concrete duct bank that the existing lines were located in, and the actual location of the existing lines.

There was a brief discussion regarding the change order process. Mr. Etwert explained that all change orders are reviewed in detail by AMEC and himself for justification and reasonable cost. At times some change order are allowed to proceed, in order, to prevent delays to a project. Waiting for Board approval could be a five week delay, depending on when the change order is requested. All change orders requiring Board approval are brought before the Board.

Mr. Long again expressed his concern and unhappiness regarding BP #3 Change Order 7 Indian Creek Rip Rap for \$173,166.89.

There was a brief discussion and clarification on the amount of BP #6 – Change Order 13.

Mr. Etwert requested that the Chief Supervisor be authorized to approve BP #2B - Change Order 8 –Electrical Revisions \$74,200.00, BP #3 Change Order 6 – Upsizing Top Layer of all Blanket Drains \$278,694.99, BP #3 Change Order 7– Indian Creek Rip Rap \$173,166.89 , BP #4 Site 9 - Change Order 9 – Electrical Revisions \$54,680.20, BP #5 Change Order 7 – Piezometer Seal Modifications \$31,680.00, BP #6 Change Order 13- \$43,664.49 which include a. 84” Bulkhead Painting \$1,558.28, b. T&M Clay Cap Undercut \$23,331.21, c. PZ 689L Additional Work - Driveway & Landscape Restoration \$6,625.00, d. Modify Piezometer - Raise to Grade -6 each @ \$4,210 (-\$25,260.00), e. Modify Piezometer - Raise to Grade Special 6 each @ \$5,335 \$32,010.00, g. Fernco Coupling N12 to Sanitite \$5,400.0 and BP 7A Change Order 2 – Electrical/Telephone Conflicts \$108,897.50. Total cost of all of these change orders not to exceed \$764,984.07.

Mr. Conrad asked for a motion to accept the recommendation on the change orders. A motion was made by Mr. Parks with a second by Mr. Brinkman to authorize the Chief Supervisor to approve BP #2B - Change Order 8 –Electrical Revisions \$74,200.00, BP #3 Change Order 6 – Upsizing Top Layer of all Blanket Drains \$278,694.99, BP #3 Change Order 7– Indian Creek Rip Rap \$173,166.89 , BP #4 Site 9 - Change Order 9 – Electrical Revisions \$54,680.20, BP #5 Change Order 7 – Piezometer Seal Modifications \$31,680.00, BP #6 Change Order 13- \$43,664.49 which include a. 84” Bulkhead Painting \$1,558.28, b. T&M Clay Cap Undercut \$23,331.21, c. PZ 689L Additional Work -Driveway & Landscape Restoration \$6,625.00, d. Modify Piezometer - Raise to Grade -6 each @ \$4,210 (-\$25,260.00), e. Modify Piezometer - Raise to Grade Special 6 each @ \$5,335 \$32,010.00, g. Fernco Coupling N12 to Sanitite \$5,400.0 and BP 7A Change Order 2 – Electrical/Telephone Conflicts \$108,897.50 for a total cost not to exceed \$764,984.07 Mr. Maher called the roll and the following votes were made on the motion.

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

Mr. Conrad - Aye  
Mr. Long – No  
Mr. Maher – Aye  
Mr. Motil – Aye  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved.

**Selection of Contractor for Construction Package #2C – Construction of two (2) ductile iron pipe force mains and accompanying concrete structures at Site 12 Pump Station in the MESD Levee District**

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

Mr. Etwert explained that at last month’s Board meeting, it was determined, due to the costs involved and it not being in the original bid, that that it was best to bid out the BP #2B Change Order 7 Site 12 – Replacement of Existing Force Mains.

Therefore, on October 16, 2014, the Southwestern Illinois Flood Prevention District (FPD) Council issued an advertisement for construction bids for Bid Package 2C. Bid Package 2C is for the construction of two 16-inch ductile iron pipe (DIP) force mains, replacement of the valve structure, and installation of a thrust block. A copy of the invitation was included as an attachment in the agenda.

An advertisement for bid was published in the following newspapers the week of October 19, 2014: St. Louis Post Dispatch, Edwardsville Intelligencer, Belleville News Democrat, East St. Louis Monitor, and the Republic Times.

No pre-bid meeting was held on this project.

On November 12, 2014, bids were received from two (2) firms and read aloud. Results were as follow:

Korte & Luitjohan in the amount of:	\$417,395.00
Haier Plumbing in the amount of:	\$281,632.00

The apparent low bid was Haier Plumbing from Okawville, Illinois.

AMEC reviewed the following:

- Confirmed the prequalification status as stated on the bid form
- Confirmed the addendums were acknowledged
- Verified the math on the schedule of values
- Confirmed the bid form was signed and attested
- Reviewed the bid bond

- Contacted and reviewed references
- Reviewed and discussed exploring utilization of M/D/WBE subcontractors
- Proposed Construction Schedule

AMEC further reviewed the specifications, bonding requirements, QA/QC material testing procedures and payment procedures to verify the FPD Council is protected during construction and quality construction is provided.

AMEC reviewed the bids for primary difference between the two bidders. The detailed bids were provided with the agenda.

Based on their review, AMEC concluded that Haier Plumbing is qualified to perform the work and has recommended that the Council select this company to perform the construction of Bid Package 2C.

Mr. Etwert reminded the Board that last month the current contractor on the project had provided an estimate of \$500,000 to do the work. At that time, AMEC felt the cost should be closer to \$300,000, and they were going to try and negotiate with the contractor, however, the Board felt that it should be bid out. The low bid received reflects the AMEC estimate.

A motion was made by Mr. Motil with a second by Mr. Long to authorize the Chief Supervisor to request approval of the County Boards of St. Clair, Madison and Monroe counties and subject to their approval, enter into contract with Haier Plumbing to perform Construction Package #2C at a total cost not to exceed \$309,795.20 (\$281,632.00 plus a 10% contingency).

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

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

The motion was approved unanimously.

**In-Kind Credit Memorandums of Understanding (MOU) East St. Louis Flood Protection Project and Prairie Du Pont - Fish Lake Flood Protection System**

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



Mr. Etwert explained that on November 5, 2014, the Flood Prevention District made a written request to the Corps of Engineers for In-Kind Credit for Non-Federal Design and Construction of Supplemental Design Deficiency Corrections for the East St. Louis Flood Protection Project and the Prairie Du Pont – Fish Lake Flood Protection System. This is similar to the FPD request made last month for the Wood River District for In-Kind Credit consideration for contributions by non-federal sponsors as allowed by the recently passed Water Resources and Development Act (WRRDA). A copy of the request was previously e-mailed to each Board member.

The implementation guidelines for Section 1018 of the WRRDA Act are still being developed, therefore, the Corps is utilizing an interim procedure of using Memorandums of Understanding (MOUs) with non-federal sponsors for the consideration of In-Kind Credit. The Corps is still in the process of formulating these Memorandums of Understanding.

He requested authorization to enter into the agreements (after review and approval by our counsel) with the Corps once the format is completed to allow for In-Kind Credits for non federal design and construction of flood protection projects in these Districts.

Mr. Conrad asked for a motion to accept Mr. Etwert’s recommendation. A motion was made by Mr. Bergkoetter with a second by Mr. Parks to authorize the Chief Supervisor to enter into a Memorandums of Understanding with the Corps of Engineers for In-Kind Credit for Non-Federal Design and Construction of Supplemental Design Deficiency Corrections for the East St. Louis Flood Protection Project and the Prairie Du Pont – Fish Lake Flood Protection System.

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

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

The motion was approved unanimously.

### **Corps of Engineers Update**

Mr. Conrad asked Mr. Feldmann to provide the report from the Corps.

Mr. Feldmann then used a PowerPoint® presentation to provide the Project Status of the Metro East Projects. He indicated that the Wood River Reconstruction Project is on schedule to be completed at the end of the fiscal year. The Corps is currently working on three separate design projects, which are the Upper Wood River Shallow Cutoff Wall, the Lower Wood River Deep Cutoff Wall, and the East St. Louis Deep Cutoff Wall.

Next he discussed the In-Kind Credit Memorandums of Understanding (MOUs), which are the result of WRRDA 2014 becoming law back in June. The law requires that some sort of agreement has to be in place prior to work starting for credit to be eligible. The MOUs that the Corps is requesting is the path that the Corps has created to achieve eligibility. However, these MOUs only satisfy one of several tests required for eligibility.

A question was raised regarding eligible credit prior to the June 2014 date. He indicated that the implementation guide which will determine what is and isn't eligible is still being developed. However, it was noted that the District is on record requesting eligibility for funds spent prior to the execution of any of the MOU agreements.

He discussed the Integral Determination Report (IDR), which describes the work that is to be or was constructed and what portion would be pursued for credit, and the amendment of the Project Partnership Agreements, which will determine what will exactly be eligible, and is the final step.

He explained that the Corps is trying to keep the door open for credit consideration with the MOUs, but he couldn't promise success. He felt that BP #7B definitely would be eligible for the In-Kind Credit, due to the MOU agreement being signed prior to the notice to proceed, however, he indicated all other project were subject to the interpretation of the law.

The Board expressed their concern regarding the difficulty in achieving credit and that it should be in the Corps best interest that the maximum credit be granted in order that more work can be accomplished. He indicated that the law doesn't necessary reward those districts that tax themselves versus waiting for federal funds and the Corps doesn't have a lot of non-federal sponsors that have done what the FPD has done to improve flood protection.

It was noted, when using credits towards the non-federal share of 35%, there is a maximum share limit of 30%. At least 5% of the 35% non-federal share must be 5% cash.

He indicated that the back-up information regarding the PLA decision would be available to the FPD in the near future. The Board members expressed their disappointment with the Corps' decision. Mr. Etwert mention that Senator Durbin had sent a letter to President Obama asking him to override the Corps decision, and he would be sending the Board a copy after the meeting. There was a brief discussion regarding the use and cost of PLAs.

He next requested that the Corps and the FPD get together in the future and form a partnership and develop a clear long term plan for the 500-year authorized level of protection for the area.

He expressed his concern regarding the loss of funds, approximately \$20 million last year, and, possibly the \$27 million that the Corps may be losing this year.

There was a brief discussion regarding the 500-year level of protection, the prioritization of projects, and the insurance industry's assessment of progress being made.

Lastly, he again requested that the Board consider an intention to make some sort of commitment to cost share some design or construction work this year.

It was felt that prior to making that commitment, the Board wanted to see the results of Senator Durbin's letter to the President, and have additional letters sent to the President.

There was a brief discussion of the Mel Price Project. It was stated that the funds that could be potential lost could not be used on the Mel Price Project since it is still in the risk based study process and the design will not be completed for at least a year.

There was a discussion regarding non-federal cost share requirements and the needs of levee districts in the Mississippi River watershed.

Mr. Motil left during the presentation.

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

- Mr. Polka - absent
- Mr. Brinkman – Aye
- Mr. Bergkoetter - Aye
- Mr. Conrad - Aye
- Mr. Long – Aye
- Mr. Maher – Aye
- Mr. Motil – absent
- 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 9:10 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 should be present, along with, Phil Johnson, Randy Cook, Brennen Soval, David Human, Jay Martin, and Joe Parente.

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

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

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

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

Mr. Long made a motion to adjourn the executive session at 9:27 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 - absent  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – Aye  
Mr. Maher – Aye  
Mr. Motil – absent  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

Mr. Conrad called the meeting to order.

### **Real Estate Transactions**

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

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

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

The motion was approved unanimously.

**Other Business**

There was a brief discussion on federal cost-sharing requirements and federal flood standards.

**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





REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
ST. LOUIS DISTRICT, CORPS OF ENGINEERS  
1222 SPRUCE STREET  
ST. LOUIS MO 63103-2833

OCT 28 2014

Programs and Project Management Division  
Project Development Branch

Mr. Charles Ewert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Ewert:

Thank you for your letter of October 1, 2014, requesting an amendment to the Project Partnership Agreement (PPA) for consideration of in-kind contribution credit. We also acknowledge that your letter addresses provisions from the Water Resources Reform and Development Act (WRRDA) signed into law on June 10, 2014, as well as the consideration for the use of Project Labor Agreements for federal construction projects.

Credit may be afforded if applicable with law, applicable agreement, and if the Assistant Secretary of the Army (Civil Works) determines that material or services provided by a non-federal sponsor are integral to the federal project. PPAs were executed for the East St. Louis Levee system on March 7, 2014 and for the Wood River Drainage and Levee District on January 3, 2014. Legislation at the time of PPA execution prevented the non-federal sponsor from receiving in-kind credit, because the design deficiency corrections are occurring on levees authorized for construction before 1986. In most cases, congressional authorization is required for any proposed federal work associated with completed local protection projects. However, an exception is given when work will correct design deficiencies. Therefore, corrective action falls within the purview of the original project authorities that sanctioned the construction of these levees, which falls back to Flood Control Acts from the 1930's.

Section 1018 of WRRDA now authorizes in-kind credit eligibility for projects authorized prior to 1986 and are being addressed for design deficiency corrections. Section 1018 also amends Section 2003 (e) of WRDA 2007 to include construction of design deficiency corrections. The Assistant Secretary of the Army (Civil Works) is in the process of developing implementation guidance for provisions contained within the law. The implementation guidance defines the policies and procedures to be used in meeting the requirements of the law. As the implementation guidance is being developed it has been requested that the St. Louis District provide supplemental information documentation to the implementation guidance drafting team. Given the regional significance of this provision, the Mississippi Valley Division coordinated a response and provided the document to the implementation guidance drafting team in August 2014. Contained within this documentation was a request by the St. Louis District for coordination to explore courses of action for amending the PPAs to include in-kind credit for the Metro East Levee System. The implementation guidance drafting team informed the St. Louis District on October 7, 2014, that a Memorandum of Understanding (MOU) between the St. Louis District, non-federal sponsors, and the Southwestern Illinois Flood Prevention District Council can be executed prior to the implementation guidance being finalized. The MOU states that an

amended PPA may provide credit for the value of materials or services provided before the execution of an amended PPA. As of the date of this letter, a model in-kind MOU for the Wood River Levee has been forwarded to the Mississippi Valley Division Commander for review and approval. Model in-kind MOUs for East St. Louis as well as Prairie du Pont and Fish Lake Flood Protection Projects are currently under development by my staff. Upon approval of each MOU by the Division Commander, the documents will be provided for execution.

Your letter references the use of Section 1014 of WRRDA as a provision to seek credit. However, this WRRDA provision is not applicable, because water resources projects, as defined in Section 1014, mean project recommendations that result from a feasibility report, feasibility study under Section 203, or a final feasibility study for water resources development and conservation specifically authorized by Congress. Because Metro East levee projects are to correct design deficiencies, the congressional authority to perform corrective action goes back to the original project authorization. Therefore, these particular projects do not result from feasibility studies/reports. Should you wish to discuss this WRRDA provision, please contact our Office of Counsel at (314) 331-8198.

We understand the importance of these projects to the region. The contracting officer has concluded market research in the southwestern Illinois region by examining the labor market and soliciting input from various construction community stakeholders. We are in the process of evaluating the Uniform Acquisition Instructions of April 7, 2014, to determine whether a Project Labor Agreement would improve economy and efficiency in Federal procurement.

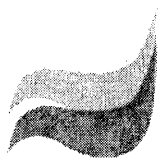
The St. Louis District remains committed to working with the non-federal sponsor and the FPD to reduce flood risk and bring the Metro East system to its authorized level of protection. A copy of this letter is being provided to Alan Dunstan the Madison County Board Chairman, Mark Kern the St. Clair County Board Chairman, Delbert Wittenauer the Monroe County Board Chairman, Steve Kochan of Wood River Drainage and Levee District, and David Human of Husch Blackwell, LLP. If you have any questions, please contact the program manager, Tracey Kelsey at (314) 331-8477 or email [tracey.b.kelsey@usace.army.mil](mailto:tracey.b.kelsey@usace.army.mil).

Sincerely,



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





**Southwestern  
Illinois  
Flood Prevention  
District Council**

104 United Drive  
Collinsville, IL 62234

618-343-9120  
Fax 618-343-9132

www.floodpreventiondistrict.org

Mr. Charles M. Etwert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

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Ron Motil

Alvin L. Parks Jr.  
Ronald Polka

Charles M. Etwert  
Chief Supervisor of  
Construction and the Works

October 1, 2014

**Via email and U.S. Mail**

Col. Anthony P. Mitchell  
District Engineer & Commander  
USACE – St. Louis District  
1222 Spruce Street  
St. Louis, MO 63103

**RE: In-Kind Credit for Non-Federal Construction of  
Supplemental Design Deficiency Corrections for  
the Wood River Levee System, Madison County,  
Illinois Project**

Dear Col. Mitchell:

This letter is to request an amendment to our Project Partnership Agreement (PPA) for the **Supplemental Design Deficiency Corrections for the Wood River Levee System, Madison County, Illinois Project** (the Project) entered into on January 3, 2014, in order to allow for the crediting of in-kind contributions by the non-Federal sponsors. Attached is a draft of said amendment. We respectfully ask for an expeditious review and prompt reply as we are presently advancing two major projects, for which contracts have been awarded and construction is expected to start soon.

The Project represents a significant financial investment for those in our region, and the decision to proceed was given much, and due, consideration. When the PPA was executed it was anticipated the work necessary to correct known design deficiencies, and thereby achieve the intended level of flood protection, would be carried out by the Corps of Engineers. Hence an in-kind credit was not sought by the non-Federal sponsors at that time.

*a regional partnership to rebuild Mississippi River flood protection*

*Page Two*

*October 1, 2014*

*In-Kind Credit for Non-Federal Construction of Supplemental Design Deficiency  
Corrections for the Wood River Levee System, Madison County, Illinois Project*

This work is important to our community for the reduction in flood risk it will provide, but also for the opportunity for the region's highly capable and skilled laborers to perform work on the Project. At the time the PPA was entered into we felt the Corps of Engineers comprehended our need for this Project, which can only move forward with local funding, to be contracted for in such a manner as to allow for our local workers to successfully compete within their operating frameworks for employment on the Project. This could be accomplished through the use of a Project Labor Agreement (PLA), the use of which has long been allowed by the National Labor Relations Act. In 2009 President Obama signed Executive Order 13502 urging Federal agencies to consider mandating the use of PLAs on large-scale construction projects, such as those for the levee systems in greater East St. Louis and the surrounding region. However, we have come to understand the Corps of Engineers is currently declining to use PLAs. The non-Federal sponsors are presently carrying out work on the Project.

As the non-Federal sponsors proceed with the two contracts recently awarded, as well as future contracts for work on the Wood River Levee System, we are seeking in-kind credit under Section 221 of the Flood Control Act of 1970 as amended. Section 1014 of the Water Resources and Development Act (WRRDA) of 2014 amends Section 204 of the 1986 Water Resources Development Act (WRDA) to allow a project or separable element carried out by a non-Federal interest to receive credit for an in-kind contribution under Section 221. Conditions for receiving the credit are that before "initiation of construction" the Corps of Engineers has 1) approved plans for construction, 2) determined project feasibility, and 3) entered into a written 221 agreement with the non-Federal sponsor. We note that in the Joint Explanatory Statement of the Conference Committee for WRRDA 2014 Congress explains that for purposes of Section 1014 the term "before initiation of construction" is intended to mean "after issuance of a notice to proceed." We believe conditions 1 and 2 have been met, and at this time, prior to initiation of construction, we seek to amend our PPA to include provisions for receiving in-kind credit.

The work for which we are seeking to receive in-kind credit is generally construction performed by the non-Federal sponsor and deemed by the Corps of Engineers as integral to the Project as it is generally described in the Wood River Levee System Limited Reevaluation Report for Design Deficiency Corrections, dated August 31, 2011, generally consisting of slurry trench cutoff walls, seepage berms, new relief wells, filling existing relief wells, ditching, fill placement, pump stations, and all appurtenant works.

Again, a prompt reply is most appreciated, as is your consideration of this matter.

Sincerely,



Mr. Charles M. Ewert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council

Enclosure

***Page Three***

***October 1, 2014***

***In-Kind Credit for Non-Federal Construction of Supplemental Design Deficiency  
Corrections for the Wood River Levee System, Madison County, Illinois Project***

KMJ

cc: FPD Board Members  
Alan Dunstan, Madison County Board Chairman  
Mark Kern, St. Clair County Board Chairman  
Delbert Wittenauer, Monroe County Board Chairman  
Steve Kochan, Wood River D & LD  
Mike Feldmann, USACE-STL  
Tracey Kelsey, USACE -STL  
David Human, Husch Blackwell, LLP  
Jon Omvig, AMEC





**Southwestern  
Illinois  
Flood Prevention  
District Council**

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Fax 618-343-9132

[www.floodpreventiondistrict.org](http://www.floodpreventiondistrict.org)

Mr. Charles Etwert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

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Alvin L. Parks Jr.

Ronald Polka

Charles M. Etwert  
Chief Supervisor of  
Construction and the Works

November 12, 2014

Col. Anthony Mitchell  
District Engineer & Commander  
USACE – St. Louis District  
1222 Spruce Street  
St. Louis, MO 63103

**RE: Memorandum of Understanding for Non-Federal  
Construction of Supplemental Design Deficiency  
Corrections for the Wood River Levee System,  
Madison County, Illinois Project**

Dear Col. Mitchell:

This letter transmits the Memorandum of Understanding (MOU) for the subject project, executed by the Southwestern Illinois Flood Prevention District Council (SIFPDC) and the Wood River Drainage and Levee District (L&DD). I am returning four sets of these documents for your signature and ask that once fully executed one copy containing original signatures be returned to the SIFPDC and one to the Wood River L&DD.

The assistance of the Corps of Engineers, your staff in particular, is valued and essential as we determine how best to move forward in partnership to accomplish the overall Metro-East levees project. I look forward to taking part in a meeting just as soon as it can be arranged to discuss specifically those items that can be considered creditable and to also identify the steps necessary to actually receive said credit.

While the full meaning of the Water Resources Reform and Development Act (WRRDA) of 2014 is as of yet not fully known, it is clear that Congress intends for local sponsors to have a larger role in project implementation. Congress makes that possible through the authorizing language, together with the Congressional statements, such as in Section 1014 - Study and construction of water resources development projects by non-Federal interests, and also Section 1018 - Credit for in-kind contributions, among others.

As the SIFPDC works to address the deficiencies in the Metro-East flood protection system, we face a number of challenges, one of these, the Midwest winters. So to not lose a whole construction season, and thereby face another flooding season without having made needed improvements, we are proceeding with the work on the Wood River Levee System. Construction is presently underway and time is of the essence. Because of that, I respectfully ask that your staff take the lead in setting a meeting as soon as possible in order that we can move forward with the appropriate amending of our Project Partnership Agreement in the very near future.

Thank you in advance for your attention to this matter.

Sincerely,



Mr. Charles M. Etwert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council

Enclosures

KMJ

cc: FPD Board Members  
Alan Dunstan, Madison County Board Chairman  
Mark Kern, St. Clair County Board Chairman  
Delbert Wittenauer, Monroe County Board Chairman  
Steve Kochan, Wood River D & LD  
Mike Feldmann, USACE-STL  
Tracey Kelsey, USACE -STL  
David Human, Husch Blackwell, LLP  
Jon Omvig, AMEC

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

THIS MEMORANDUM OF UNDERSTANDING (hereinafter the “MOU”) is entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the Department of the Army (hereinafter the “Government”), represented by the U.S. Army Engineer, St. Louis District (hereinafter the “District Engineer”), and the Wood River Drainage and Levee District, represented by the President, and Southwestern Illinois Flood Prevention District Council, represented by the Chief Supervisor of Construction and the Works (hereinafter the “Non-Federal Interests”).

WITNESSETH, THAT:

WHEREAS, Section 221(a) of the Flood Control Act of 1970, as amended by Section 2003 of the Water Resources and Development Act of 2007 and Section 1018 of the Water Resources Reform and Development Act of 2014, provide that a cost sharing partnership agreement may provide credit for the value of materials or services provided before the execution of such cost sharing partnership agreement if the Secretary and the non-Federal interests enter into an agreement under which the non-Federal interests shall carry out such work and only work carried out following the execution of such agreement shall be eligible for credit;

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DEPARTMENT OF THE ARMY

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL

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

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

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

Charles M. Etwert  
Chief Supervisor of Construction and  
the Works

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

DATE: 11/12/2014 \_\_\_\_\_

WOOD RIVER DRAINAGE AND LEVEE DISTRICT

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

Steve Kochan  
President

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

CERTIFICATE OF AUTHORITY

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

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

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

CERTIFICATE OF AUTHORITY

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

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

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





**Southwestern  
Illinois  
Flood Prevention  
District Council**

104 United Drive  
Collinsville, IL 62234

618-343-9120  
Fax 618-343-9132

www.floodpreventiondistrict.org

November 5, 2014

**Via email and U.S. Mail**

**Board of Directors**

John Conrad  
President

Jim Pennkamp  
Vice President

Dan Maher  
Secretary-Treasurer

Paul Bergkoetter  
Bruce Brinkman  
Thomas Long  
Ron Motil  
Alvin L. Parks Jr.  
Ronald Polka

Charles M. Etwert  
Chief Supervisor of  
Construction and the Works

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

**RE: In-Kind Credit for Non-Federal Design and Construction of Supplemental Design Deficiency Corrections for the East St. Louis, Illinois Flood Protection Project and the Prairie Du Pont - Fish Lake Flood Protection System in Southwestern Illinois.**

Dear Ms. Kelsey:

This letter is to request In-Kind Credit for the Non-Federal Design and Construction of Supplemental Design Deficiency Corrections for the East St. Louis, Illinois Flood Protection Project and the Prairie Du Pont - Fish Lake Flood Protection System in Southwestern Illinois. As with our recent request for the Wood River Levee System, we respectfully ask for an expeditious review and prompt reply to our request.

The Southwestern Illinois Flood Prevention District Council desires to receive all of the non federal credit that it may be eligible to receive for the significant financial investment that it is being made in our region. Your assistance in the endeavor is appreciated.

Sincerely,

Mr. Charles M. Etwert  
Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council

*a regional partnership to rebuild Mississippi River flood protection*



cc: FPD Board Members  
Alan Dunstan, Madison County Board Chairman  
Mark Kern, St. Clair County Board Chairman  
Delbert Wittenauer, Monroe County Board Chairman  
Robert Shipley, Metro East Sanitary District  
Michael Sullivan, Prairie Du Pont Levee and Sanitary District  
Gary Stumpf, Fish Lake Drainage and Levee District  
David Human, Husch Blackwell, LLP  
Jon Omgig, AMEC





**DEPARTMENT OF THE ARMY  
ST. LOUIS DISTRICT CORPS OF ENGINEERS  
1222 SPRUCE STREET  
ST. LOUIS, MISSOURI 63103-2833**

REPLY TO

October 10, 2014

Programs and Project Management Division  
Project Development Branch

Mr. Charles Etwert, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Etwert:

In accordance with Article II B.1 of the Design Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD) and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for Wood River, Illinois Flood Protection Project, I am requesting cost share funds to initiate the next increment of design deficiency corrections design. The next increments of design and the associated cost estimates are described below. Note that the design estimates do not include the field exploration necessary to perform the proposed designs. Field exploration will be conducted by the Southwestern Illinois Flood Prevention District Council (FPD) at 100% FPD cost. A scope of work detailing the field exploration requirements was provided to you during our meeting on August 26, 2014.

<b>Description</b>	<b>Design Estimate</b>	<b>Federal (65%)</b>	<b>Non-Federal Cost Share (35%)</b>
Design of 3 Pump Stations	\$2,131,000	\$1,385,150	\$745,850
Design 46 Relief Wells	\$726,000	\$471,900	\$254,100
<b>TOTAL</b>	<b>\$2,857,000</b>	<b>\$1,857,050</b>	<b>\$999,950</b>

Priority risk ranking of the proposed work is:

- Rank 1: Design of three pump stations
- Rank 2: Design of 46 relief wells

Note that each increment is independent; both, or either one may be initiated at this time. Please recommend to the Board that cost share funds be provided to initiate the next increment(s) of work for pump station and relief well design.

The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-N (Kerr)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

If you have any questions, please contact Tim Kerr at (314) 331-8780 or e-mail [Tim.Kerr@usace.army.mil](mailto:Tim.Kerr@usace.army.mil).

Sincerely,



Tracey Kelsey, P.E., PMP  
Metro East Program Manager  
Programs and Project Management

c: Mr. Steve Kochan, Wood River Drainage and Levee District

## SCOPE OF WORK

USACE, St. Louis District

**FY15 PUMP STATION DESIGN  
AND RELIEF WELL DESIGN  
FOR DESIGN DEFICIENCY CORRECTION  
AT WOOD RIVER DRAINAGE AND LEVEE DISTRICT  
FOR THE  
SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL**

**1. Scope of Work.** Work shall consist of the design of the authorized federal project for design deficiency corrections as described in the Wood River Levee System Limited Reevaluation Report (LRR), Design Deficiency Corrections, Wood River Drainage and Levee District, Madison County, IL approved August 31, 2011. Specifically, work shall consist of design of pump stations and design of relief wells per the executed Project Partnership Agreement for Design Deficiency Corrections.

Project Description	
Item	Quantity
Design Pump Station	3
Design Relief Wells	46

**2. Project Location.** Wood River Drainage and Levee District (Levee District) lies in southwestern Illinois, on the left bank of the Mississippi River flood plain, within Madison County, Illinois, between river miles 195 and 203 above the Ohio River. The levee district is an urban design levee which lies across the Mississippi River from St. Louis and St. Charles counties in Missouri. The Wood River levee system is part of a larger Metro East levee system that includes the MESD, Chain of Rocks, and Prairie du Pont and Fish Lake levee systems to the south.

### 3. Description of Work.

- a. Project. The term Project shall mean: design of three pump station and design of 46 relief wells as generally described in the LRR.
- b. Basis for Work. Design of the project shall be completed by application of the procedures usually applied to Federal projects, in accordance with Federal laws, regulations, and policies.
- c. Work. Work shall consist of (but is not limited to):
  1. Review of Existing Data: Existing field data will be reviewed and utilized where applicable.
  2. Field Data Collection: Subsurface exploration and data collection will be conducted to identify and optimize solutions to best fit the defined project areas.

3. Civil Design Elements
  - a. Quantities
  - b. Utilities
  - c. Drainage
  - d. Rights-of-Way
4. Hydrologic and Hydraulic Analysis
5. Design Documentation Report (DDR): Design and analysis computations for the project, considered complete at the completion of the plans and specifications.
6. Value Engineering Study – systematic study of project to maximize value by producing a product that will accomplish the required functions at reduced, reasonable and acceptable life cycle costs.
7. Reviews
  - a. Agency Technical Review (ATR) – Continuous review in which the team is involved throughout the entire design process
    - i. Team Disciplines
      1. Geotech
      2. Civil
      3. Hydraulics
      4. Cost
      5. Construction
  - b. Biddability, Constructability, Operability and Environmental (BCOE) Review
  - c. Safety Assurance Review (SAR) – Type II IEPR
8. Plans and Specifications: Plans consist of all civil, structural, or other drawings and include plan and profile sheets, sections, details, right-way, boring log sheets, hydraulic data and reference drawings; specifications consists of cost estimate, technical and non-technical sections.
9. Rights-of-Way acquisition (as applicable)
10. Environmental Compliance

#### 4. General Requirements

- a. Coordination. A Design Coordination Team (DCT) shall be established and shall include representatives from the FPD and Wood River. The team shall meet regularly until the end of the project design. The DCT shall generally oversee the project in matters relating to design, completion of all necessary environmental coordination and documentation, scheduling of reports and work products, plans and specifications, real property and relocation requirements, design contract costs, and the Government's cost projections. The DCT may make recommendations to the District Engineer on matters related to the project that the team generally oversees, including suggestions to avoid potential sources of dispute. The Government in good faith shall consider the recommendations of the team. The Government, having the legal authority and responsibility for design of the project, has the discretion to accept or reject, in whole or in part, the team's recommendations.
- b. Meetings. The DCT shall meet on a monthly basis to review the status of the project. More frequent meetings may be scheduled as necessary.
- c. Progress Reports. Monthly progress reports will be provided.

d. Points of Contact. The Government's Program Manager for this project is:

Tracey Kelsey  
 CEMVS-PM-F  
 1222 Spruce Street  
 St. Louis, MO 63103-2833  
 Phone: 314.331.8477  
 E-Mail Address: Tracey.B.Kelsey@usace.army.mil

**5. Project Cost Summary.** The estimated project costs represent the design of the pumps stations and relief wells.

<b>PROJECT COST ESTIMATE</b>			
Item	Cost Estimate	Total	Non-Federal Share
Pump Station Design		\$2,131,000	\$745,850
Field Data Analysis	\$493,000		
Design	\$1,638,000		
Relief Well Design		\$726,000	\$254,100
Field Data Analysis	\$188,000		
Design	\$538,000		
<b>TOTAL</b>		<b>\$2,857,000</b>	<b>\$999,950</b>

Schedule of Cash Needs. The Non-Federal Sponsor cost share funds must be received in order to initiate work and are required by December 15, 2014. In order to minimize stoppages in work due to available funding, all cost share funds are requested in the initial payment.

**6. Schedule.** Work shall be performed in accordance with the following schedule. Detailed schedules will be developed upon initiation of PDT activities and will be provided when complete. Preliminary schedules are identified below.

<b>Activity Description</b>	<b>Expected Start Date</b>
Initiate Field Exploration performed by SWIFPD	December 2014
Lab Analysis	December 2014
Pump Station Design	October 2015
Relief Well Design	October 2015





REPLY TO

**DEPARTMENT OF THE ARMY**  
**ST. LOUIS DISTRICT CORPS OF ENGINEERS**  
1222 SPRUCE STREET  
ST. LOUIS, MISSOURI 63103-2833

October 10, 2014

Programs and Project Management Division  
Project Development Branch

Mr. Charles Etwert, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Etwert:

In accordance with Article II B.1 of the Design Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD) and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project, I am requesting cost share funds to initiate the next increment of design deficiency corrections design. The next increments of design and the associated cost estimates are described below. Note that the design estimates do not include the field exploration necessary to perform the proposed designs. Field exploration will be conducted by the Southwestern Illinois Flood Prevention District Council (FPD) at 100% FPD cost. A scope of work detailing the field exploration requirements was provided to you during our meeting on August 26, 2014.

<b>Description</b>	<b>Design Estimate</b>	<b>Federal (65%)</b>	<b>Non-Federal Cost Share (35%)</b>
Cutoff Wall Sta 781 to 795 (1400')	\$1,637,000	\$1,064,050	\$572,950
Cutoff Wall Sta 987 1014 (2700')	\$1,942,000	\$1,262,300	\$679,700
Cutoff Wall Sta 1477 to 1498 (2100')	\$1,894,300	\$1,231,295	\$663,000
<b>TOTAL</b>	<b>\$5,473,300</b>	<b>\$3,557,645</b>	<b>\$1,915,650</b>

Priority risk ranking of the proposed work is:

- Rank 1: Approximately 1,400 feet of cutoff wall to bedrock station 781 to 795
- Rank 2: Approximately 2,700 feet of shallow cutoff wall station 987 to 1014
- Rank 3: Approximately 2,100 feet of cutoff wall to bedrock station 1477 to 1498

Note that each increment is independent; all three, or any combination, may be initiated at this time. Please recommend to the Board that cost share funds be provided to initiate the next increment(s) of work for cutoff wall design.

The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-F (Kelsey)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

If you have any questions, please contact me at (314) 331-8477 or e-mail Tracey.B.Kelsey@usace.army.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "Tracey Kelsey". The signature is fluid and cursive, with a large initial "T" and "K".

Tracey Kelsey, P.E., PMP  
Program Manager  
Programs and Project Management

c: Mr. Bob Shipley, Metro East Sanitary District



## SCOPE OF WORK

USACE, St. Louis District

### FY15 DESIGN OF CUTOFF WALL FOR DESIGN DEFICIENCY CORRECTION AT EAST ST. LOUIS, ILLINOIS FLOOD PROTECTION PROJECT FOR THE SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL

**1. Scope of Work.** Work shall consist of the design of the authorized federal project for design deficiency corrections as described in the Limited Reevaluation Report (LRR) on Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project, dated August, 2010 and in the Limited Reevaluation Report for Design Deficiency Corrections Supplement, dated May 2011. Specifically, the work shall consist of design of cutoff wall per the executed Project Partnership Agreement for Design Deficiency Corrections. As noted in the LRR, several areas of hazardous, toxic, and radioactive wastes (HTRW) interest have been identified. It is anticipated that HTRW may be encountered in soils and groundwater during construction activities. Effort will be made to minimize the encounters with HTRW. The non-federal sponsor is responsible for the costs of cleanup and response.

Project Description	
Item	Length, ft
Cutoff Wall Station 781 to 795	1,400
Cutoff Wall Station 987 to 1014	2,700
Cutoff Wall Station 1477 to 1498	2,100

**2. Project Location.** The East St. Louis levee is located on the left descending bank between Mississippi River Miles 175 and 195 above the confluence with the Ohio River. It protects a large part of the East St. Louis, Illinois metropolitan area in Madison and St. Clair Counties in southwestern Illinois. The Federally-owned Chain of Rocks levee and the East St. Louis levee form a single levee system that provides flood protection for the cities of East St. Louis, Granite City and numerous other municipalities. The East St. Louis and Chain of Rocks levees are part of a larger Metro East set of levee systems that includes the Wood River levee system to the north and Prairie du Pont/Fish Lake levee system to the south.

### 3. Description of Work.

- a. **Project.** The term Project shall mean: A slurry trench cutoff wall to deep clay layer and/or into bedrock and associated end effects/window provisions; slurry trench cutoff wall staging areas and equipment access areas as generally described in the LRR.
- b. **Basis for Design.** Design of the project shall be completed by application of the procedures usually applied to Federal projects, in accordance with Federal laws, regulations, and policies.

- c. Work. Work shall consist of (but is not limited to):
1. Review of Existing Data: Existing field data will be reviewed and utilized where applicable.
  2. Field Data Collection: Subsurface exploration and data collection will be conducted to identify and optimize solutions to best fit the defined project areas.
  3. Testing: Testing of field data shall included
    - a. Standard Penetration Test - ASTM D 1586-11
    - b. Atterburg Limits - ASTM D 4318-05
    - c. Moisture Content - ASTM D 2216-05
    - d. Sieve Analysis - ASTM D 422-63 (07)
    - e. Unconsolidated-Undrained Triaxial Compression Test - ASTM D 2850
    - f. Dilatometer Test – ASTM D 6635-01
    - g. Consolidated-Undrained Triaxial Compression Test - ASTM D 4767
    - h. Point Load Index Test - ASTM D 5731-08
  4. Geotechnical Design
    - a. gINT Data Entry
    - b. Development of Soil Stratigraphy and Soil Design Parameters
      - i. Permeability
      - ii. Soil Strengths
      - iii. Elastic Modulus
    - c. 2-D Seepage and Stability Models
      - i. Critical sections based on stratigraphy and geometry
      - ii. Coupled GeoStudio Seepage and Stability Analyses
    - d. 3-D GMS Seepage Models
      - i. Determine end effects
      - ii. Design windows for utilities
    - e. 3-D FLAC Stability Models
      - i. Optimize panel length
  5. Civil Design Elements
    - a. Quantities
    - b. Utilities
    - c. Drainage
    - d. Rights-of-Way
  6. Hydrologic and Hydraulic Analysis
  7. Design Documentation Report (DDR): Design and analysis computations for the project, considered complete at the completion of the plans and specifications.
  8. Value Engineering Study – systematic study of project to maximize value by producing a product that will accomplish the required functions at reduced, reasonable and acceptable life cycle costs.
  9. Reviews
    - a. Agency Technical Review (ATR) – Continuous review in which the team is involved throughout the entire design process
      - i. Team Disciplines
        1. Geotech
        2. Civil
        3. Hydraulics
        4. Cost
        5. Construction

- b. Biddability, Constructability, Operability and Environmental (BCOE) Review
  - c. Safety Assurance Review (SAR) – Type II IEPR
10. Plans and Specifications: Plans consist of all civil, structural, or other drawings and include plan and profile sheets, sections, details, right-way, boring log sheets, hydraulic data and reference drawings; specifications consists of cost estimate, technical and non-technical sections.
11. Rights-of-Way acquisition
12. Environmental Compliance

#### 4. General Requirements

- a. Coordination. A Design Coordination Team (DCT) shall be established and shall include representatives from the FPD. The team shall meet regularly until the end of the project design. The DCT shall generally oversee the project in matters relating to design, completion of all necessary environmental coordination and documentation, scheduling of reports and work products, plans and specifications, real property and relocation requirements, design contract costs, and the Government's cost projections. The DCT may make recommendations to the District Engineer on matters related to the project that the team generally oversees, including suggestions to avoid potential sources of dispute. The Government in good faith shall consider the recommendations of the team. The Government, having the legal authority and responsibility for design of the project, has the discretion to accept or reject, in whole or in part, the team's recommendations.
- b. Meetings. The DCT shall meet on a monthly basis to review the status of the design. More frequent meetings may be scheduled as necessary.
- c. Progress Reports. Monthly progress reports will be provided.
- d. Points of Contact. The Government's Program Manager for this project is:

Tracey Kelsey  
CEMVS-PM-F  
1222 Spruce Street  
St. Louis, MO 63103-2833  
Phone: 314.331.8477  
E-Mail Address: Tracey.B.Kelsey@usace.army.mil

**5. Project Cost Summary.** The estimated project costs represent the design of the three segments of cutoff wall for the authorized federal project for design deficiency corrections.

PROJECT COST ESTIMATE – DESIGN			Non-Federal Cost Share (%35)
Segment	Cost Estimate	Total	
Station 781 to 795		\$1,637,000	\$572,950
Field Data Analysis	\$237,000		
Design	\$1,400,000		
Station 987 to 1014		\$1,942,000	\$679,700
Field Data Analysis	\$484,000		
Design	\$1,458,000		
Station 1477 to 1498		\$1,894,300	\$663,000
Field Data Analysis	\$455,300		
Design	\$1,499,000		
<b>TOTAL</b>		<b>\$5,473,300</b>	<b>\$1,915,650</b>

Schedule of Cash Needs. The Non-Federal Sponsor cost share funds must be received in order to initiate work and are required by December 15, 2014. In order to minimize stoppages in work due to available funding, all cost share funds are requested in the initial payment.

**6. Schedule.** Work shall be performed in accordance with the following schedule. A detailed schedule will be developed upon initiation of PDT design activities and will be provided when complete. A preliminary schedule is identified below.

Activity Description	Projected Start Date
Initiate Field Exploration performed by SWIFPD	Dec 2014
Lab Analysis	Dec 2014
Design	Oct 2015



DEPARTMENT OF THE ARMY  
ST. LOUIS DISTRICT CORPS OF ENGINEERS  
1222 SPRUCE STREET  
ST. LOUIS, MISSOURI 63103-2833

REPLY TO

November 14, 2014

Programs and Project Management Division  
Project Development Branch

Mr. Charles Etwert, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Etwert:

In accordance with Article II B of the Project Partnership Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD), the Wood River Drainage and Levee District, and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for Wood River, Illinois Flood Protection Project, I am requesting cost share funds to initiate construction of the remaining portions of Wood River Upper cutoff wall and Wood River Lower cutoff wall. It is estimated that approximately \$10,000,000 of Federal funds will be available for construction. Based on this, the corresponding FY15 non-Federal sponsor 35% contribution is \$5,385,000. Please recommend to the FPD Board that \$5,385,000 of cost share funds be provided for FY15 construction. Note that once the FY15 Federal appropriations for the project have been finalized, the required amount of non-Federal cost share funds may be adjusted.

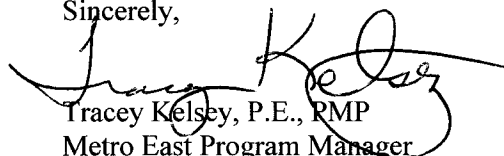
The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-N (Kerr)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

If you have any questions, please contact Tim Kerr at (314) 331-8780 or e-mail [Tim.Kerr@usace.army.mil](mailto:Tim.Kerr@usace.army.mil).

Sincerely,

  
Tracey Kelsey, P.E., RMP  
Metro East Program Manager  
Programs and Project Management

c: Mr. Steve Kochan, Wood River Drainage and Levee District



REPLY TO

**DEPARTMENT OF THE ARMY**  
**ST. LOUIS DISTRICT CORPS OF ENGINEERS**  
1222 SPRUCE STREET  
ST. LOUIS, MISSOURI 63103-2833

November 14, 2014

Programs and Project Management Division  
Project Development Branch

Mr. Charles Etwert, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Etwert:

In accordance with Article II B of the Project Partnership Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD), the Metro East Sanitary District, and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project, I am requesting cost share funds to initiate construction of the deep cutoff wall located at Station 1295 to 1350. It is estimated that approximately \$8,400,000 of the Federal funds will be available for construction. Based on this, the corresponding FY15 non-Federal sponsor 35% contribution is \$4,523,000. Please recommend to the FPD Board that \$4,523,000 of cost share funds be provided for FY15 construction. Note that once the FY15 Federal appropriations for the project have been finalized, the required amount of non-Federal cost share funds may be adjusted.

The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-F (Kelsey)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

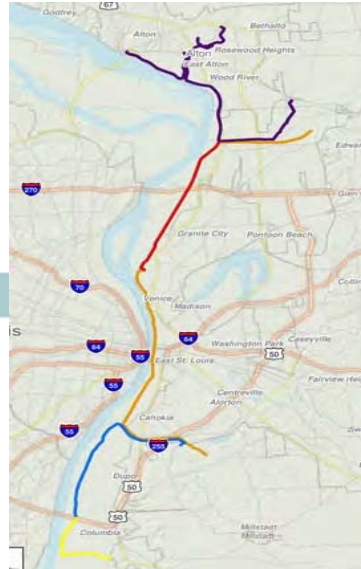
If you have any questions, please contact me at (314) 331-8477 or e-mail  
Tracey.B.Kelsey@usace.army.mil.

Sincerely,

Tracey Kelsey, P.E., PMP  
Program Manager  
Programs and Project Management

c: Mr. Bob Shipley, Metro East Sanitary District

**Progress Report  
November 19, 2014  
SW IL Levee System  
By Jay Martin**



**Construction Status**

- **BP #2A – Fish Lake Pump Station**
  - All change order and punch list items are complete. Vegetation establishment will be monitored through next spring.
  - Final walk through scheduled for November 25, 2014.
  
- **BP #2B - WR/MESD/PDP Pump Stations**
  - Site 5 – Structures, Force Mains, Earthwork, and Electrical Complete. Force main testing and setting of pumps will be completed in November.
  - Site 10 – Structures, Force Mains, and Earthwork Complete. Pumps Installed. Electrical rough-in should begin in November.
  - Site 12 – Existing intake structure demolished. Excavation for new intake structure underway.
  - Site 15 – Structures, Force Mains, Earthwork, and Electrical Complete. Pumps Installed. Start-up/Training scheduled for this week.
  - Site 16 – Structures, Force Mains, Earthwork, and Electrical rough-in complete, Pumps Installed. Ameren to install primary power in November.

## Construction Status



- **BP #2C – Site 12 Pump Station Force Mains**
  - Invitation to bid sent to prospective bidders on 17 October 2014
  - Bids were opened 12 November 2014
  - Haier Plumbing is the low bidder out of the two bidders for this project.
  
- **BP #03 – WR Seepage Improvements**
  - Land acquisition still impacting full mobilization; Project duration is approximately 7 months minimum (weather dependant)
  - Piezometer installation continues. 16 of 48 PZs complete
  - Rip Rap in Creek at the Cahokia Creek Diversion Channel is 50% complete. To date close to 2,500T of rip rap has been placed as slope protection
  - Blanket Drain construction set to begin in November

3

## Construction Status



- **BP #04 – MESD Seepage Improvements (Conoco Phillips)**
  - Valve vault and outfall structures complete. Dewatering operations have commenced. Intake structure will begin mid/late November.
  - Force Mains on riverside between outfall and valve vault structures are complete.
  - Relief well drilling continues. 18 of 19 RWs have been drilled.
  - Clay Cap work is delayed until Spring/Summer 2015.
  
- **BP #05 – MESD Seepage Improvements (MESD excluding Conoco Phillips)**
  - Relief well drilling continues. 36 of 70 RWs have been drilled.
  - Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B) will begin in November pending Ameren relocations
  - Relief well collector system on south flank of MESD by Site 10 and Site 16 set to begin mid November
  - Clay Cap work is delayed until Spring/Summer 2015

4



## Construction Status



- BP #06 – *PDP/FL Seepage Improvements*
  - Relief well drilling continues. 14 of 66 RWs have been drilled.
  - Seepage berm construction continues.
  - Clay Cap work has begun. Clay is being stockpiled. Clay Cap construction may be delayed until Spring/Summer 2015
  - Sluice Gate rehabilitation/replacement set to begin mid November
  - Lining of the triple 84" culverts at Palmer Creek Pump Station will resume upon completion of sluice gate rehabilitations
  
- BP #7A – *Shallow Cut Off Wall*
  - Work began onsite on October 6, 2014
  - Levee degradation 100% complete
  - Working platform for cut off wall 100% complete
  - Cut off wall construction began 14 November. Expected duration = 3 weeks (weather dependent)
  - 2 Piezometers have been installed; monitoring is ongoing.

5

## Construction Status



- BP #7B – *Deep Cut Off Wall*
  - Notice of Award issued September 9, 2014
  - Contract Executed September 23, 2014
  - Notice to Proceed pending land acquisition

6

**Bid Package 2A**



**Gravity Drain Change Order - Complete**



7

**Bid Package 2B**



**Site 5 Fencing around Intake Structure**



8

**Bid Package 2B**



**Site 10 Landside Earthwork Complete**



**Bid Package 2B**



**Site 12 Demo of Existing Structure and Installing Shoring for New Intake Structure**



**Bid Package 2B**



**Site 15 Earthwork Complete**



**Bid Package 2B**



**Site 16 Earthwork Complete**



**Bid Package 3**



**Rip Rap in Creek**



13

**Bid Package 04**



**Site 09 Riverside Force Mains**



14

**Bid Package 05**



**RW Drilling Operation on MESD South Flank**



**Bid Package 06**



**Completed Seepage Berm – Station 170+00 Prairie DuPont**



Cut off Wall Working Platform Construction





Questions?

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

## Metro East Projects, IL

### PROJECT STATUS

- Cutoff Wall Design
- Work-in-Kind Credit
  - Design/Construction
  - Memorandum of Understanding (MOU)
  - Implementation Guidance
  - Integral Determination Report (IDR)
  - Amend Agreements





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

## Metro East Projects, IL

### ACQUISITION STRATEGY

- Wood River Upper Shallow Cutoff Wall – advertise construction contract 2<sup>nd</sup> quarter FY15
- Wood River Lower Deep Cutoff Wall - advertise construction contract 3<sup>rd</sup> quarter FY15
- East St. Louis Deep Cutoff Wall - advertise construction contract 3<sup>rd</sup> quarter FY15



**BUILDING STRONG®**



**United States Senate**  
Washington, DC 20510-1304

November 17, 2014

The Honorable Barack Obama  
President  
The White House  
1600 Pennsylvania Ave., N.W.  
Washington, DC 20500

Dear President Obama:

I encourage you to override a decision made by the U.S. Army Corps of Engineers (USACE) St. Louis District not to require Project Labor Agreements (PLAs) for contracts pertaining to federal levee improvement projects in the East St. Louis, Prairie DuPont/Fish Lake, and Wood River areas of Illinois (Metro East). Col. Anthony Mitchell, Commander of the St. Louis District, notified me on Friday that although PLAs will be allowed on bids for these projects, they are not required and will not be viewed as strengthening a bid. The local, non-federal project sponsors have raised revenue to pay for improvements to their levees and want PLAs required on all contracts. Allowing a double standard for the federal portion of this work does not acknowledge the considerable local investment in this effort and the unquestioned quality of the local work force.

Authority for USACE to require PLAs is expressed in Executive Order 13502, which states executive agencies may require PLAs if doing so “will advance the Federal Government’s interest in achieving economy and efficiency in Federal procurement...” The authorization is now part of the Federal Acquisition Regulation. As the local, non-federal project sponsors involved in these levee improvement projects have shown time and again, the projects meet the requirement. Only bids including PLAs should be solicited for these projects.

It is in the interest of “economy and efficiency” for the federal government to take advantage of a federal/local cost share for projects when possible. Through implementation of a dedicated sales tax, which went into effect in 2008, the Metro East communities have raised nearly \$60 million to improve their levee system to standards required by the Federal Emergency Management Agency. Once that work is complete, they will have tax revenue that may be used to match a federal investment to bring the levees to the authorized 500-year level of protection. The non-federal sponsors believe fair treatment of the local workforce is requisite to the expenditure of their tax dollars. They intend to withhold the money they raised to be spent for construction, even as a match for federal money, unless a PLA is required. To move forward, ACOE must require PLAs to facilitate the federal/local cost share and make use of the valuable local contribution.

Moreover, the local sponsors describe the benefits that have accrued in their experience requiring PLAs. They adopted a policy to require the use of the Southwestern Illinois Building Trades Council PLA for all construction on the levee system. They report that competitive bidding on all construction work resulting in lower costs than ACOE incurs for similar work. In addition, a PLA requirement in Metro East has resulted in predictable schedules, more effective project administration, fair treatment of the project workforce, and a harmonious labor environment. Requiring PLAs is in the best interest of all parties.

The USACE should use the authority granted by your Executive Order 13502 and the FAR to require the use of a PLA. Please right this wrong and direct the District to require PLAs so work on these projects can continue.

Sincerely,



Richard J. Durbin  
United States Senator



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for December 2014  
Date: December 15, 2014

We continue to work on the acquisition of easements needed to complete the projects that have been awarded. I am pleased to report that the easements required from the Olin Corporation have finally been obtained. There are some conditions that the contractor has to work out with Olin, but we have the easements needed. We are now down to 3 owners involving 6 parcels on the BP #3 construction project. The easements involve the Union Pacific Railroad, American Oil Company, and one individual. As previously mention, the delay in obtaining these easements will have an effect on costs and completion times. AMEC will be discussing this in their presentations at the meeting. There may be an executive session at the end of the meeting to discuss one or two easement situations.

Approximately 46% of the \$45.0 million of construction, involved in the seven construction bid packages that have started, has been completed thru November 30th. There was 2.85 million dollars' worth of construction completed in November.

We have only one change order on this month's agenda, involving BP #7A, AMEC will be explaining it and also discussing change orders procedures and denials, and project schedules.

On November 24<sup>th</sup>, we received from the Corps of Engineers the Executive Summary and the Response Summary from the Market Survey Data Report regarding the use of Project Labor Agreements (PLAs) on the FY15 Cutoff Wall Construction Contracts. Unfortunately, the two summaries only provide the approach taken and the responses received, and do not provide adequate justification for the Corps final decision.

Lacking was the review of FPD bid line items to bid line items on previous Corps projects. We were led to believe that this would occur and quickly provided the Corps all of the FPD's bid results, promptly after our meeting with them in mid-July. A general comparison of existing bid results on pump stations, relief wells, clay caps, etc. could have provided valuable information on the utilization of PLAs and cost effectiveness. The Corps has indicated that they did receive a limited amount of data regarding bids solicited with and without a PLA, and in those

circumstances, the non-PLA bids were lower. I requested a copy of this data on December 2<sup>nd</sup>, but haven't received a response to date.

Also, confusing is the Response Summary where responses from each entity was given an indication rating of either Pro, Neutral, or Con. On one, it is summarized as "PLA brought additional contracting competition on future projects", I would think that this would be a good result of using a PLA and be marked as a Pro PLA response, yet it was indicated as Neutral. Copies of the Corps' Executive Summary and Response Summary from the Market Survey Data Report (previously e-mailed to each Board member) will be provided at the meeting.

On November 26<sup>th</sup>, the FPD requested that as the Southwestern Illinois Flood Prevention District Council waits for the US Army Corps of Engineers' final determination of our June 19, 2014 request for consolidation of the separately authorized levee projects located in Madison, Monroe, and St. Clair Counties as allowed in the Water Resources Reform and Development Act (WRRDA) of 2014 that the Corps also consider the levee projects within these Counties for the Water Infrastructure Public-Private Partnership Pilot Program also established by the WRRDA 2014. Under the Pilot Program, the non-federal sponsor and the Corps switch roles with the non-federal sponsor taking the lead and the Corps providing funds to the non-federal sponsor. The cost sharing remains the same 65% federal/35% non-federal. The goal is to get projects built quicker and reduce the backlog of projects. No response has been received from the Corp as of today, but I expect the standard response of no decision can be until implementation guidelines for WRRDA 2014 are developed. However, at least the FPD request will be on record. A copy of the FPD request (again previously e-mailed to each board member) will be provided at the meeting.

On December 2<sup>nd</sup>, I met with Jon Omgvig and Tracey Kelsey to discuss the 500-Year (Authorized) Level Flood Protection and how the FPD utilizing PLAs can work with the Corps and move forward towards obtaining the authorized level. I will be presenting preliminary approaches, which we discussed, at the meeting. These approaches appear to have potential benefits to both the FPD and the Corps.

To date, there hasn't been any response to Senator Durbin's 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.

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

METRO EAST LEVEE SYSTEMS  
SHALLOW AND DEEP CUTOFF WALL CONSTRUCTION  
MARKET SURVEY DATA REPORT  
**EXECUTIVE SUMMARY**  
September 29, 2014

Executive Order (E.O.) 13502, encourages executive agencies to consider requiring the use of Project Labor Agreements (PLAs) in connection with large scale construction projects in order to promote the economy and efficiency in Federal procurement. PLA's may be considered if it advances the Federal governments interest in achieving economy and efficiency and is consistent with the law. A PLA is a pre-hire collective bargaining agreement with one or more labor organizations that established the terms and conditions of employment for a specific construction project. The agreement is described in 29 U.S.C. § 158(f).

Federal Acquisition Regulation (FAR) (Subpart 22.5) provides that PLA's are a tool that agencies may use to promote economy and efficiency in Federal procurement. The decision to use a PLA is made on a project by project basis. The project location's labor market should be examined by soliciting the views of various construction community stakeholders. The market research is conducted in accordance with the instructions provided in the Procurement Instruction Letter (PIL) 2011-01-R1, USACE Policy relating to the use of PLAs for Federal Construction Projects. Market research gathers pertinent information regarding the nature of the project under consideration, the geographic region, the labor market and recent project history. This report presents a summary of the market research findings.

A multi-disciplined Project Delivery Team (PDT) was formed to conduct the market research. The PDT considered many sources from which to obtain detailed information. These sources included project owners and users, government data sources, local building and construction trades councils, associated builders and contractors, associated general contractors, construction consulting and management firms, and academic experts. Included were those knowledgeable of large, heavy construction projects reflecting local practice and experience. A variety of methods were used to obtain information including mail surveys, telephone interviews, and face to face interviews. The PDT considered relevant data as information/knowledge obtained through the market research process regarding the use of PLAs.

The PDT developed a PLA Research Summary document for use in compiling the information received during the market survey. The summary document provides a synopsis of the information provided from each response. An Executive Summary, the PLA research summary documents, and the raw survey data, were provided to the Contracting Officer for use during the PLA determination process.

Summary

Understanding the nature of the project under consideration, the geographic region, the labor market, and recent project history are all essential components to making an informed decision regarding the inclusion of a PLA on future construction contracts. Based on the research conducted, there was no evidence of a shortage of skilled labor, prevalence of work stoppages, or a lack of training opportunities in the geographical area.

The construction contracts currently under consideration are the construction of shallow (30-40 feet) and deep (100 -140 feet) slurry trench cutoff wall. This work is specialized, requiring proper equipment and uniquely skilled labor to complete portions of the work. The proposed projects are part of the Wood River Upper design deficiency project and the East St. Louis design deficiency project, located in Southwestern Illinois. The market research, while encompassing many sources of information, focused

data gathering on this area. Multiple sources indicate that construction labor forces in this area are unionized to a much greater extent than the national average. There has been little to no comparable construction projects (cutoff wall) in the area over the past several years. Construction contracts for a shallow slurry trench cutoff wall and a deep slurry trench cutoff wall have recently been awarded, but construction has not yet initiated. The majority of construction contract information identified through the market research included highway, industrial, retail, and institutional.

Based on the research results, no generalities were identified regarding the use of PLAs on construction projects in Southwestern Illinois. During the market research period, the PDT was made aware of the prevalent use of PLAs on construction contracts in the Southwestern Illinois region. No conclusive information was provided that indicated a difference in performance due to the inclusion of a PLA on the construction contract.

The market research data was divided into five general categories including labor organizations, owners, government/public, contractor/organization and research. A summary of each category is provided.

### **Contractor Organizations**

Eight responses were received from contractor organizations. Three support the use, three do not support the use, and one is neutral on the use of PLAs on construction contracts in the Southwestern Illinois region. Summary of responses:

- PLAs should not be contractually mandated; use should be left to the contractors
- PLAs prevent work stoppages due to expiring CBAs (collective bargaining agreements)
- non-union contractors will have difficult time getting work due to strong union presence
- non-union contractors may not bid therefore limiting competition
- PLAs provide for no disruptions, no pickets, prevent work disputes and delegates work to all trades
- PLA beneficial to projects with durations > 1 year
- Concerns regarding PLAs developed without input from employer organizations
- Non union contractors end up paying double benefits

### **Labor Organizations**

Two responses were received from labor organizations. Both support the use of PLAs on construction contracts in the Southwestern Illinois region. Summary of responses:

- PLAs lower cost, produce predictable schedules, fair treatment of labor force, and easier project administration
- PLAs protect workers, protect owners, no labor disputes
- Use of local labor contributed to local economy

### **Government/Public Organizations**

Nine responses were received from government/public organizations. Five support the use, three do not support the use and one is neutral on the use of PLAs on construction contracts in the Southwestern Illinois region. Summary of responses:

- PLA was means for successful completion of project on time, in budget, limited change orders, and no work disagreements
- PLA can improve safety, training and minority employment. PLA neither decreases the number of bidders nor increases/decreases costs
- PLA is essential project efficiency and settlement of labor disputes. Assures high quality craft personnel, no work stoppage, no jurisdictional disputes

- Mandated PLAs increase costs and limit competition
- PLAs return \$\$ to local economy by using local labor, ensures labor stability
- PLAs not used due to conflict with State statutes

### **Research Case Studies**

Ten case studies were provided and reviewed. Two support the use of PLAs, four do not support the use, and three are neutral on the use of PLAs on construction contracts in the Southwestern Illinois region. Summary of responses:

- Mandated PLAs increase costs and limit competition
- PLAs increase construction costs
- PLAs neither decrease the number of bidders nor increase or decrease costs when other variables are taken into account
- PLAs can improve scheduling, safety, training and minority employment
- PLAs increase construction costs

### **Owners (Private Sector)**

No response received

## Response Summary

	<b>52</b>	
<b>Solicited/Researched:</b>	<b>Organizations/Individuals</b>	<b>%</b>
<b>Research</b>	10	19%
<b>Solicited</b>	42	81%
<b>Solicited that Responded</b>	25	60%
<b>Solicited Responded with relevant data</b>	20	48%
<b>Total relevant solicited/research responses</b>	<b>30</b>	<b>58%</b>



## Response Per Organization Type

Solicited Organizations	Total solicited / research	Percentage of Total solicited / research	Total relevant solicited/ research responses	Percentage of Relevant solicited / research responses	Response Percentage
Contractor	11	21%	8	27%	73%
Labor	8	15%	2	7%	25%
Owners	3	6%	0	0%	0%
Government / Public Organizations	19	37%	9	30%	47%
Research / Case Studies	10	19%	10	33%	
Anonymous	1	2%	1	3%	
<b>TOTALS</b>	<b>52</b>		<b>30</b>		

Consolidated Opinion

	Contractor Organizations	Labor Organizations	Owners	Government/ Public Organizations	Research Case Studies	Anonymous	Total
Pro	3	2		5	2		12
Con	4			3	5		12
Neutral	1			1	3	1	6
Total	8	2	0	9	10	1	30

Labor Organizations  
 Owner  
 Government/ Public  
 Contractor / Organization  
 Research

Survey Recipients	Response Provided	Relevant	Not Relevant	Supplemental Information	Summary	Indication: - Pro - Neutral - Con -
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The [Redacted] community is strongly opposed to the use of government-mandated PLAs on federal construction projects because these agreements typically restrict competition, increase costs, create delays, discriminate against nonunion employees and place [Redacted] a significant competitive disadvantage. Typical government-mandated PLAs are nothing more than anti-competitive schemes that end open and fair bidding on taxpayer-funded projects.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Neither supports or opposed PLAs, they leave this choice to the contractor or prime. Does oppose Government mandate of PLA. Free and open competition provides best value and price. History shows there are less non-union contractors bidding on PLA mandated projects, thus limiting competition pool. Non-union contractors end up paying double benefits; restricts non-union contractor laborers' who often work across craft jurisdictions.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not aware of skilled labor shortage; does not feel PLA will promote long term interest of training workforce; urges that mandated PLA not be incorporated rather let contractor determine if PLA is appropriate.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In favor for these projects due to the urging of SWIL Leadership Council; Generally neutral on PLAs; No labor shortage; concern regarding local PLAs due to development by Building Trades Council without input from Employer organizations; CBAs for Operating Engineers, Cement Masons, Plasterers/Cent Masons will expire in 2015 - PLA is only method to ensure no stoppage of work;	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	no knowledge of shortage of skilled labor; does not feel PLA will promote long term program interests, facilitate training for future needs;	C
Anonymous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PLA brought additional contracting competition on future projects	N
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Responsible for IL's capital improvement plan. PLA is to ensure efficient, timely, and cost effective completion. Used on limited basis since 1992 on a project by project basis when criteria for use is met.	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PLA allowed successful completion of projects - on time, in budget, few change orders, no work disagreements.	P
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Once used on very large projects, now used on wide range of projects. Research shows that PLA neither decrease the # of bidders nor increase or decrease costs when other variables are taken into account. PLA can improve scheduling, safety, training and minority employment.	P
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Delays in painting Eads bridge due to Metro's failure to abide by federal laws when it required a mandatory, union only PLA.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PLA prevents work stoppages due to expiring CBA's	P

Labor Organizations  
 Owner  
 Government/ Public  
 Contractor / Organization  
 Research

Survey Recipients	Response Provided	Relevant <input checked="" type="checkbox"/>	Not Relevant <input type="checkbox"/>	Supplemental Information	Summary	Indication: - Pro - Neutral - Con -
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PLA is essential for efficiency of project and settlement of all labor disputes. Assures high quality craft person, no work stoppages, no jurisdictional disputes. PLA have been utilized.	P
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fed mandated PLAs increase costs and limit competition. Requires state trade unions to oversee who is hired and recommend union workers be used. Contractors challenged and won. PLA was removed.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Company is signatory to union. Non-union contractors will have difficult time getting work due to strong unions. PLA prevents work stoppages.	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PLAs using local labor return \$\$ to local economy; provide means of assuring labor stability; 87% of labor is union; Used PLAs for >20yrs; training centers and apprenticeship programs in place for safety	P
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PH 1, prime contractor voluntarily entered into PLA; PH 2 no PLA	N
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted] does not use PLAs; conflict with [Redacted] Statutes	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Based on 3 Case Studies: The union's agenda is to gain a monopoly of large construction projects financed by Federal, State and local governments. Unions are using project labor agreements (PLAs) and the courts to manipulate political and administrative processes, override government cost-saving measures, and prevent lower-cost open shop contractors from gaining public works contracts. The result: unions are able to secure for themselves massive contracts." The union's agenda is to gain a monopoly of large construction projects financed by Federal, State and local governments. " Next Case Study: "Out of 54 school construction projects undertaken in the Greater Boston area since 1995, costs are substantially higher when a school construction project is executed under a PLA. Their findings show that the potential savings from not entering a PLA on a school construction project range from \$1.9 million for a 50,000-square-foot structure to \$9.5 million for a 250,000-square-foot structure. Case Study 3: that "Foes of PLAs need to understand that the economic arguments in favor of them are thoroughly bogus. They need to recognize that forcing a worker or company to support a union is coercive, and that approving a PLA is tantamount to throwing away potentially millions of taxpayer dollars."	
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Current \$25 M [Redacted] project did not mandate a PLA due to all Union contractors on project. PLAs provide no disruptions, no pickets, prevent work disputes and delegates all trades to work. Also, PLA's could potentially increase the overall labor costs due to requirements to pay prevailing wages plus benefits that typically non-union contractors don't pay, PLAs good for project durations >1yr	C
[Redacted]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		N

Labor Organizations  
 Owner  
 Government/ Public  
 Contractor / Organization  
 Research

Survey Recipients	Response Provided	Relevant	Not Relevant	Supplemental Information	Summary	Indication: - Pro - Neutral - Con -
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PLAs lower costs, predictable schedule, easier project administration, fair treatment of project workforce and a harmonious labor environment in which workers become partners in successful outcome of project.	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PLAs protect workers, protect owners, no labor disputes. Just cant have jobs shut down	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mandated PLA on all contracts; bids received below estimates; no issues during construction; timely and efficient completion of projects by - available supply of skilled labor; better prediction of labor costs at bidding stage; established working conditions for all trades; provided legal means to assure labor stability over life of project	P
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provided copy of same data submitted by [Redacted]	P
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conducted analysis of effect of PLA on school construction contracts; from 1995 to 2003 found that PLAs raise the cost of construction by 9% to 15%	C
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conducted study on PLAs. The report highlights the unavailability of data regarding contracts that have used PLA's in the public or private sectors. Due to the lack of data on PLA's their study cannot demonstrate conclusively any performance differences due to the use of PLA's and therefore the results did not indicate positive or negative conclusion on use of PLA	N
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction of Army Testing Lab - research indicated that a PLA would not contribute to the economy or efficiency of the project. Market survey reflected that PLA would have the opposite effect and causes inefficiencies and cost growth.	C
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Contractor recently entered into <b>voluntary</b> PLA which allowed for a single agreement between all labor organizations. Benefits include labor forces on same page with mutual understanding, continuity, and consistency. Business Agents engage and settle any labor issues that arise.	N
[Redacted]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stage 1 award to non union company resulted in picket line effectively stopping work. Local trade unions and local sponsor requested use of PLA on all [Redacted]. Stage 2 - satisfactory PLA could not be secure between contractor and labor organizations; PLA requirements were deleted.	C
[Redacted]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted] issues with option for PLA, contractor submitted with but unable to execute with local trade council, PLA removed from contract. [Redacted] required PLA resulted in protest. Resolution amended solicitation to allow bids with or without PLA. Awarded to non-PLA contractor. [Redacted] Bids allowed with or w/o PLA; awarded to non-PLA bid. [Redacted] bids allowed with or w/o PLA; awarded to non-PLA bid. [Redacted] bids allowed with or w/o PLA; awarded to non-PLA bid.	N

Metro East PLA Market Research  
 Shallow and Deep Slurry Trench Cutoff Wall Construction

- Labor Organizations
- Owner
- Government/ Public
- Contractor / Organization
- Research

Survey Recipients	Response Provided	Relevant	Not Relevant	Supplemental Information	Indication: - Pro - Neutral - Con -
<div style="background-color: black; width: 100%; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 80%; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 60%; height: 15px;"></div>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p style="text-align: center;"><b>Summary</b></p> <p>widely held American principles of equal opportunity and freedom, since they either exclude nonunion workers from publicly funded employment or else allow them to work only on condition of contributing to the union as if they were members. Since the large majority of small and minority-owned construction firms are non-union, PLA's tend as well to dampen the prospects of advancement for minority members and small businessmen generally.</p>

C



Metro East PLA Market Research  
 Shallow and Deep Slurry Trench Cutoff Wall Construction

- Labor Organizations
- Owner
- Government/ Public
- Contractor / Organization
- Research

Survey Recipients	Response Provided	Relevant	Relevant	Not Relevant	Supplemental Information	Summary	Indication: - Pro - Neutral - Con
<b>Contacts from Southwestern Illinois Building &amp; Construction Trades Council</b>							





**Southwestern  
Illinois  
Flood Prevention  
District Council**

104 United Drive  
Collinsville, IL 62234

618-343-9120  
Fax 618-343-9132

[www.floodpreventiondistrict.org](http://www.floodpreventiondistrict.org)

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Charles M. Ewert  
Chief Supervisor of  
Construction and the Works

November 26, 2014

US Army Corps of Engineers  
St. Louis District  
Attention: Michael G. Feldmann P.E.  
1222 Spruce Street  
St. Louis, MO 63103-2833

Re: WRRDA 2014- Water Infrastructure Public-Private Partnership Program

Dear Mr. Feldmann,

As the Southwestern Illinois Flood Prevention District Council (SIFPDC) waits for the final determination of our June 19, 2014 request for consolidation of the separately authorized levee projects located in Madison, Monroe, and St. Clair Counties as allowed in the Water Resources Reform and Development Act (WRRDA) of 2014, it is hereby requested, that the US Army Corps of Engineers also consider the levee projects within these counties for the Water Infrastructure Public-Private Partnership Pilot Program also established by WRRDA 2014 Section 1043.

With the Corps' recent decision regarding the utilization of Project Labor Agreements (PLAs), it is now even more important that the levee projects of Southwestern Illinois be considered for this Partnership Program, thereby, providing a greater flexibility and efficiency in the use of available federal funds.

Selection of the SIFPDC for the program would provide prompt project delivery, with cost savings, that would reduce the backlog of authorized Corps of Engineers projects.

Please accept this letter as our official request and advise if any additional information is required. I may be contacted at 618-343-9120, if necessary, to discuss any aspect of my request.

Sincerely,

Charles M. Ewert  
Chief Supervisor of Construction and the Works



cc: FPD Board Members  
Alan Dunstan, Madison County Board Chairman  
Mark Kern, St. Clair County Board Chairman  
Delbert Wittenauer, Monroe County Board Chairman  
Steve Kochan, Wood River Levee and Drainage District  
Robert Shipley, Metro East Sanitary District  
Gary Stumpf, Fish Lake Drainage and Levee District  
Michael Sullivan, Prairie Du Pont Levee and Sanitary District  
David Human, Husch Blackwell, LLP  
Jon Omgvig, AMEC



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

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## **Monthly Project Progress Report December 2014**

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AMEC Project No. 563170001  
Period Ending Date: December 12, 2014

*Date of Issue: December 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 cutoff wall and flush clay cap near the upstream portion of the Upper Wood River Levee System, from station 20+00 to 38+00.

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

### 1.2 AMEC Scope

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

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

### 1.3 Key Contacts / People

Program Manager	Jay Martin, PE, 615.333.0630 <a href="mailto:jay.w.martin@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>
The Contractors continue to conduct daily toolbox safety talks. Amec continues to conduct monthly safety meetings with the contractors every third Tuesday.
<b>Security</b>
No issues during this reporting period.
<b>Environment (SWPPP)</b>
No issues during this reporting period.

### 3. PROJECT STATUS UPDATE

#### 3.1 Bid Package 2A

##### 3.1.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 11, 2013
Schedule received	October 29, 2013
Anticipated start of field activities	January 22, 2014
Start of field activities	January 27, 2014
Anticipated completion date	<i>December 2014</i>
Final Walk Through	Substantial completion walkthrough August 12, 2014
Final Acceptance	

##### 3.1.2 Progress

ID	Description	Target	Actual	Comments
A	Site 1 Pump Station	December 1, 2014	Complete except for minor punch list items (e.g. - grating support) and final walk though	Stumpf change order complete.  The Contractor will return to establish turf next spring.

##### 3.1.3 Property Acquisition

- All property is acquired.

##### 3.1.4 Levee Board Considerations

- None at this time.

##### 3.1.5 Submittals

- Contractor submitted final close-out submittals except the as-builts which will be submitted after the final survey.

##### 3.1.6 Change Orders

- See Change Order Log attached.

##### 3.1.7 Field Activities and Look Ahead

- Substantial Completion walk through was conducted on August 18, 2014
- A final inspection was held November 25, 2014 but Amec noted the punch list items were not complete.
- Contractor to complete the final punch list and complete closeout documents.
- The Contractor will return to establish turf.

##### 3.1.8 QC/QA Activities

- None - complete

##### 3.1.9 Considerations

- None

##### 3.1.10 Payment Progress

- See Contract Invoice Log attached.



### 3.2 Bid Package 2B

#### 3.2.1 Calendar

Bid Date:	October 1, 2013
Contract executed	December 16, 2013
Schedule received	December 17, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 24, 2014
Anticipated completion date	<i>June 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.2.2 Progress

ID	Description	Target	Actual	Comments
A	Construct Site 10 Pump Station	Jan 2014	87%	Structures, Force Mains, and Earthwork Complete. Pumps Installed. Electrical rough-in is in progress and will be completed in December weather dependent.
B	Construct Site 16 Pump Station	Jan 2014	92%	Structures, Force Mains, Earthwork, and Electrical rough-in complete, Pumps Installed. Ameren to install primary power.
C	Construct Site 5 Pump Station	Jan 2014	92%	Structures, Force Mains, Earthwork, and Electrical Complete. Force main testing and setting of pumps will be completed in December.
D	Construct Site 12 Pump Station	April 2015	75%	Existing intake structure 75% complete. Electrical work to begin next year.
E	Construct Site 15 Pump Station	Jan 2014	90%	Structures, Force Mains, Earthwork, and Electrical Complete. Pumps Installed. Start-up/Training completed on 18 November. Awaiting primary hookup from Ameren.

#### 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 3

#### 3.3.1 Calendar

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

#### 3.3.2 Progress

ID	Description	Target	Actual	Comments
A	Blanket Drains, Seepage Berms and Stream Banks	TBD	12%	Clearing at blanket drain #1 & #2 has begun
B	Relief Wells and Piezometers	TBD	27%	Piezometer installation continues (32 of 48 PZs complete)
C	Rip Rap in Creek at the Cahokia Creek Diversion Channel is 50% complete.	Dec 1 2014	100%	To date close to 2,500T of rip rap has been placed as slope protection
D	Blanket Drain 3 construction has begun in December	Jan 2015	3%	
E	Blanket Drain 4 drawings have been revised and reissued.	Dec 2014	0%	Contractor to provide cost for change orders.

#### 3.3.3 Property Acquisition

- Although a partial NTP issued March 13, 2014 - Major parcels are still needed for project to progress substantially.

#### 3.3.4 Levee Board Considerations

- Critical Delay: The slow progress of land acquisition is affecting the levee certification schedule. Property acquisition needs to be expedited. The project is scheduled to take 7 months (weather dependent) to complete once the land acquisition is obtained.

#### 3.3.5 Submittals

- Submittal process ongoing.

#### 3.3.6 Change Orders

- See Change Order Log attached.

### 3.3.7 Field Activities and Look Ahead

- Land acquisition still impacting full mobilization; Current contract completion date of September 1, 2014 cannot be met due to land acquisition delays. Project duration is approximately 7 months minimum (weather dependant) after land acquisition.
- See above table

### 3.3.8 QC/QA Activities

None at this time.

### 3.3.9 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.

### 3.3.10 Payment Progress

- See Contract Invoice Log attached.

### 3.4 Bid Package 4

#### 3.4.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	June 2015
Final Walk Through	
Final Acceptance	

#### 3.4.2 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	95%	Relief Wells completed. Development and pump tests remaining.
C	Concrete Structures	November 2014	35%	Pump station construction has started (valve vault & outfall structures). The deep intake structure will be completed this month (weather dependent)
D	Valve vault and outfall structures complete. Dewatering operations have commenced	Jan 2015	30%	Intake structure will begin mid/late November.
E	Force Mains on riverside between outfall and valve vault structures are complete	Jan 2015	85	Random fill remaining

#### 3.4.3 Property Acquisition

- All property is acquired.

#### 3.4.4 Levee Board Considerations

- None

#### 3.4.5 Submittals

- Submittal process is on-going.

#### 3.4.6 Change Orders

- See Change Order Log attached.
- Amec is working negating a Construction Obstruction Rate.
- Amec working with Contractor on Time Extension.

#### 3.4.7 Field Activities and Look Ahead

- See table above
- RW collector system work scheduled for December, weather dependent.
- Clay cap work delayed until spring 2015.

#### 3.4.8 QC/QA Activities

- No current material testing needs.

#### 3.4.9 Considerations

- None

#### 3.4.10 Payment Progress

- See Contract Invoice Log attached.

### 3.5 Bid Package 5

#### 3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 17, 2014
Anticipated completion date	<i>September 2015</i>
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

ID	Description	Target	Actual	Comments
A	Relief Wells and Piezometers	Feb 2015	35%	Manholes and collection systems have been installed in southern portion of project; drilling of new wells began August 18, 2014. 40 of 72 RWs have been drilled.
B	Earthwork	May 2015	45%	Clay Cap work delayed until spring/summer of 2015.
C	Relief well conversions and collector system by Granite City Pump Station (Site 12, BP #2B)	Feb 2015	0 %	Work will begin next year.

#### 3.5.3 Property Acquisition

- All property is acquired.

#### 3.5.4 Levee Board Considerations

- Keller is obtaining the 150,000 cubic yard clay source. Once the Clay source is secured, approximately 170 atterberg, plasticity and permeability tests will be performed. These tests may take 7 to 10 days per round. SCI is only able to process 6 permeability tests per round. That being the case, the testing may take 27 weeks to complete. Amec has submitted a pcn to reduce the permeability testing frequency.

#### 3.5.5 Submittals

- Submittal process underway.

#### 3.5.6 Change Orders

- See Change Order Log attached.
- Amec Foster Wheeler is working with the Contractor on negotiating a RW Construction Obstruction Rate.
- Amec working with Contractor on time extension.

#### 3.5.7 Field Activities and Look Ahead

- See above table

#### 3.5.8 QC/QA Activities

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

#### 3.5.9 Considerations

- None other than previously mentioned.

### 3.5.10 Payment Progress

- See Contract Invoice Log attached.



### 3.6 Bid Package 6

#### 3.6.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 3, 2013
Schedule received	October 31, 2013
Anticipated start of field activities	November 11, 2013
Start of field activities	November 19, 2013
Anticipated completion date	July 2015
Final Walk Through	
Final Acceptance	

#### 3.6.2 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 Spring/Summer 2015
C	Relief Wells and Piezometers	June 2014	33%	Relief well drilling continues. 24 of 67 RWs have been drilled.
D	Pipe Conveyance	October 2014	0%	None
E	Sluice Gate rehabilitation/replacement set to begin Nov/Dec.	Jan 2015	5%	Work has started
F	Lining of the triple 84" culverts at Palmer Creek Pump Station will resume upon completion of sluice gate rehabilitations	Feb 2015	5%	Work has resumed

#### 3.6.3 Property Acquisition

- All property is acquired.

#### 3.6.4 Levee Board Considerations

- None

#### 3.6.5 Submittals

- Submittal process ongoing.

#### 3.6.6 Change Orders

- See Change Order Log attached and the Change Order Memo.
- Amec is working with the Contractor on negotiating a Construction Obstruction Rate.
- Amec working with Contractor on time extension.

3.6.7 Field Activities and Look Ahead

- See table above

3.6.8 QC/QA Activities

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

3.6.9 Considerations

- River and weather delays.

3.6.10 Payment Progress

- See Contract Invoice Log attached.

### 3.7 Bid Package 7A

#### 3.7.1 Calendar

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

#### 3.7.2 Progress

ID	Description	Target	Actual	Comments
A	Levee Degradation	Nov 2015	100%	complete
B	Work Platform installation	Nov 2015	100%	complete
C	2 Piezometers have been installed	Jan 2015	90%	Monitoring is ongoing.
D	Geo-Solution mobilize and started shallow wall trench	Dec 19, 2015	90%	Finishing up the wall installation and beginning to demobilize.

#### 3.7.3 Property Acquisition

- Not applicable

#### 3.7.4 Levee Board Considerations

- Change order review

#### 3.7.5 Submittals

- On-going

#### 3.7.6 Change Orders

- Change Order 3 for excavation quantity of the slurry wall.
- Contractor has a change order claim for ~ \$70k for the slurry wall face payment. Amec negotiating.

#### 3.7.7 Field Activities and Look Ahead

- Notice of Award issued September 9, 2014
- Contract Executed September 17, 2014
- Notice to Proceed issued September 22, 2014
- Work began onsite on October 6, 2014 – Site clearing, removal of asphalt pavement, etc.
- 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 finishing the Slurry Wall construction.
- See above table.

#### 3.7.8 QC/QA Activities

- On-going

### 3.7.9 Considerations

- Weather delays

### 3.7.10 Payment Progress

- See Contract Invoice Log attached.

### 3.8 Bid Package 7B

#### 3.8.1 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	June 2016
Final Walk Through	
Final Acceptance	

#### 3.8.2 Progress

ID	Description	Target	Actual	Comments
A	NTP	ASAP		The Olin easement had delayed the NTP.

#### 3.8.3 Property Acquisition

- All property acquired

#### 3.8.4 Levee Board Considerations

- Notice to Proceed (NTP) was issued the week of December 5, 2-014. 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.

#### 3.8.5 Submittals

- On going

#### 3.8.6 Change Orders

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

#### 3.8.7 Field Activities and Look Ahead

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

#### 3.8.8 QC/QA Activities

- Work has not begun.

#### 3.8.9 Considerations

- Notice to Proceed (NTP) was delayed due to the Olin Deed agreement and negotiations are in progress.

#### 3.8.10 Payment Progress

- NA

**CONTRACT INVOICE LOG**

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

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

**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		\$38,094.45



### 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  
**Change Order #10:** Pending \$1,455.00 Site 16 Additional Aggregate  
**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		\$647,553.00



**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.
10	Site 16 Parking Lot Additional Aggregate	Field	\$1,455.00	\$0.00	2B.49	\$ 140,920.00	1.03%	0.04%	12/12/2014	Pending	An 18' gate is to be hung on this now 30' wide fence span. very little grade change in this short of a span would create an issue with gate swing. Additional CA-6 rock shall be spread and compacted inside the fenced enclosure.
<b>Total of Project Change Orders</b>										<b>Total</b>	<b>\$ 146,529.00</b>
<b>Original Contract Amount</b>			<b>Revised Contract Amount</b>								
<b>\$3,865,405.00</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
			<b>Total of Project Change Orders</b>	<b>\$370,408.84</b>	<b>\$0.00</b>					<b>Total</b>	<b>\$ 370,408.84</b>

Original Contract Amount **\$10,082,345.00**      Revised Contract Amount **10,452,753.84**      % Change from Original Amount **3.67%**

\*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>Total Change Order Amount:</b>	\$82,033.15	
<b>Total Revised Contract Amount:</b>	<b>\$3,272,265.60</b>	

<b>Payment Request No.</b>	<b>Pay Request Date</b>	<b>Pay Request Recommended Approval Date</b>	<b>Total Completed to Date (\$)</b>	<b>Amount Retained (10% to 50%) then (5% to 95%)</b>	<b>Total Earned Less Retained (\$)</b>	<b>Amount Invoiced (\$)</b>	<b>Date Paid by FPD</b>	<b>Estimate to Complete Including Retainage (\$)</b>
1	4/11/2014	4/15/2014	\$259,243.33	\$25,924.33	\$233,319.00	\$233,319.00	4/22/2014	\$2,965,109.75
2	6/11/2014	6/12/2014	\$269,731.33	\$26,973.13	\$242,758.20	\$9,439.20	6/19/2014	\$2,967,108.45
3	8/5/2014	8/11/2014	\$325,641.68	\$32,564.17	\$293,077.51	\$50,319.32	8/14/2014	\$2,920,449.49
4	10/1/2014	10/9/2014	\$970,413.05	\$97,041.31	\$873,371.75	\$580,294.24	10/13/2014	\$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	11/14/2014	\$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		\$1,647,209.55





**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.

**Total of Project Change Orders**      \$141,956.88      \$19,698.78  
Original Contract Amount      Revised Contract Amount      % Change from Original Amount  
\$8,256,481.84      8,418,137.50      1.96%

**\$161,655.66**

\*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  
**Total Change Order Amount:** **\$1,805,685.97**  
**Total Revised Contract Amount:** **\$14,662,813.72**

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		\$7,398,041.46



**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 quantizes result in increase of 10% above original line item, Board approval required
4	Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"	Spec	\$12,040.40	\$0.00	NA	NA	NA	0.09%	7/17/2014	Approved	Specification change to make consistent with other bid packages.
5*	SaniTite pipe upgrade and air testing on 30"-42" pipe	Spec	\$29,566.29	\$0.00	6.25 6.26 6.27	\$ 149,797.00	19.74%	0.23%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
6	Vacuum testing manholes	Spec	\$26,950.00	\$0.00	NA	NA	NA	0.21%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
7*	Additional Pilot Hole Drilling & Additional Pilot Hole Sampling	Design	\$205,863.75	\$0.00	6.38	\$ 251,775.00	81.76%	1.60%	7/17/2014	Approved	Design change to accommodate actually quantities. Bid quantities were very preliminary since no pilot holes were drilled at the time and Amec had not received the USACE design template for relief wells. Board approval required
8*	Raise to Grade Piezometer	Field	\$4,210.00	\$0.00	6.45	\$ 21,050.00	20.00%	0.03%	7/17/2014	Approved	PZ 689L to be raised to grade to accommodate field conditions. Board approval required
9	Modify Piezometer	Field	\$9,504.00	\$0.00	6.43	\$ 132,960.00	7.15%	0.07%	7/18/2014	Approved	Modify piezometers seal to provide additional concrete
10	Surface Aggregate	Design	\$18,339.63	\$0.00	NA	NA	NA	0.14%	8/25/2014	Approved	12 inch Aggregate Surface Course, Type A* item for driveways and field access roads. This was not included in the original proposal and was added per detail on sheet CC-C513 and various plan sheets showing the locations.
11*	Relief Well Quantity Change	Design	\$1,282,932.15	\$0.00	6.39 6.40	\$ 1,806,432.00	71.02%	9.98%	9/12/2014	Approved	Additional quantities required due to deeper pilot holes required to achieve necessary penetration. Board approval required.
12*	Additional 50VF of Pilot Hole Drilling; Decrease RW Add Riser 1 EA; Add RW Abandonment 1 EA; PZ 679R Convert to Below Grade Piezometer; T&M 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	See change order summary presented to Board for review and approval in the October 15, 2014 Board Meeting
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
<b>Total</b>											\$
<b>Total of Project Change Orders</b>											<b>\$1,805,685.97</b>
<b>Original Contract Amount</b>											<b>\$12,857,127.75</b>
<b>Revised Contract Amount</b>											<b>\$14,662,813.72</b>
<b>% Change from Original Amount</b>											<b>14.04%</b>

\*Board approval required

### 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:**  
**Total Change Order Amount:** \$122,747.50  
**Total Revised Contract Amount:** \$3,198,956.20

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		\$1,556,578.65

**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%	12/19/2014	Pending	Excavation Levee Slope and Crown Quantity Adjustment. Board approval required (see memo for detail)
<b>Total of Project Change Orders</b>			<b>\$122,747.50</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 122,747.50</b>
<b>Original Contract Amount</b>			<b>\$3,076,208.70</b>					<b>% Change from Original Amount</b>			
<b>Revised Contract Amount</b>			<b>\$3,198,956.20</b>					<b>3.99%</b>			

**Total of Project Change Orders \$122,747.50**  
**Original Contract Amount \$3,076,208.70**  
**Revised Contract Amount \$3,198,956.20**  
**% Change from Original Amount 3.99%**

\*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

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 (\$)

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BF7B

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>\$</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 November 2014  
Date: December 15, 2014

Current Budget Highlights

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

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$8,004,866 while revenues amounted to \$1,936,796 resulting in a deficit of \$6,068,070. A total of approximately \$21,058,171 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 September 2014 (the latest month reported by the Illinois Department of Revenue) were up by 3.64% from the previous year. In general, receipts are up 2.67% from last year and are slightly above the 2012 level, which is the highest year of receipts.

Monthly Disbursements

Attached is the list of bank transactions for November 2014. Total disbursements for the month were \$3,440,731.36. 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.

Recommendation:

Accept the budget report and disbursements for November 2014.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**TWO MONTHS ENDING NOVEMBER 2014 AND 2013**



**CliftonLarsonAllen**

CliftonLarsonAllen LLP  
www.cliftonlarsonallen.com

Board Members  
Southwestern Illinois Flood Prevention District Council  
Collinsville, Illinois

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

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

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

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

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

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



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

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

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 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 "CliftonLarsonAllen LLP".

CliftonLarsonAllen LLP

St. Louis, Missouri  
December 10, 2014

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWO MONTHS ENDED NOVEMBER 30, 2014 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2015 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET
	ORIGINAL	FINAL		POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 1,864,475	\$ 9,330,525
Interest Income	60,000	60,000	72,321	(12,321)
Other Contributions	-	-	-	-
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>1,936,796</u>	<u>9,318,204</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	574,972	7,556,078
Construction	45,791,362	45,791,362	4,965,086	40,826,276
Construction and design by US ACE	-	-	-	-
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>5,540,058</u>	<u>48,382,354</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	29,855	186,145
Diversity Program Manager	64,140	64,140	17,710	46,430
Construction Oversight	-	-	-	-
Other	-	-	-	-
Financial Advisor	120,000	120,000	1,200	118,800
Bond Underwriter/Conduit Issuer	-	-	6,704	(6,704)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>55,469</u>	<u>344,671</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	56,340	1,826,140
Monroe County	197,080	197,080	5,899	191,181
St. Clair County	1,920,440	1,920,440	57,476	1,862,964
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>119,715</u>	<u>3,880,285</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>7,963,362</u>	<u>56,615,819</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	33,540	172,460
Advertising	-	-	-	-
Bank Service Charges	1,500	1,500	211	1,289
Conference Registration	500	500	-	500
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	26,500	26,500	2,100	24,400
Audit Services	15,000	15,000	-	15,000
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	66	334
Printing/Photocopies	2,500	2,500	464	2,036
Professional Services	20,000	20,000	2,700	17,300
Publications/Subscriptions	250	250	2	248
Supplies	1,500	1,500	489	1,011
Telecommunications/Internet	2,500	2,500	964	1,536
Travel	7,500	7,500	-	7,500
Insurance	1,000	1,000	968	32
Total General & Administrative Costs	<u>288,150</u>	<u>288,150</u>	<u>41,504</u>	<u>246,646</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>8,004,866</u>	<u>56,862,465</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(6,068,070)	47,544,261
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (6,068,070)</u>	<u>\$ 47,544,261</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWO MONTHS ENDED NOVEMBER 30, 2013 (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	\$ 1,822,037	\$ 9,414,963
Interest Income	650,000	650,000	387,443	262,557
Other Contributions	-	-	-	-
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>2,209,480</u>	<u>9,677,520</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	4,000,000	4,000,000	960,822	3,039,178
Construction	60,000,000	60,000,000	481,547	59,518,453
Construction and design by US ACE Federal Cost-Share	1,000,000	1,000,000	-	1,000,000
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>1,442,369</u>	<u>63,557,631</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	88,202	121,798
Construction Oversight	210,000	210,000	30,190	179,810
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>119,712</u>	<u>440,288</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	355,675	1,914,725
Monroe County	220,800	220,800	34,677	186,123
St. Clair County	2,308,800	2,308,800	353,852	1,954,948
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>744,204</u>	<u>4,055,796</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>4,579,955</u>	<u>71,977,345</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	39,707	152,624
Advertising	-	-	-	-
Bank Service Charges	600	600	65	535
Conference Registration	500	500	61	439
Equipment and Software	4,000	4,000	-	4,000
Fiscal Agency Services	23,000	23,000	3,800	19,200
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	25	975
Postage/Delivery	400	400	64	336
Printing/Photocopies	2,500	2,500	236	2,264
Professional Services	20,000	20,000	15,000	5,000
Publications/Subscriptions	250	250	1,713	(1,463)
Supplies	1,500	1,500	86	1,414
Telecommunications/Internet	2,000	2,000	1,189	811
Travel	15,000	15,000	1,200	13,800
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>64,127</u>	<u>199,954</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>4,644,082</u>	<u>72,177,299</u>
<b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b>				
	(64,934,381)	(64,934,381)	(2,434,602)	62,499,779
<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>\$ (2,434,602)</u>	<u>\$ 72,499,779</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		
2010														
Madison	\$353,146	\$374,416	\$456,795	\$462,697	\$440,815	\$452,308	\$427,329	\$433,047	\$419,455	430,210	\$442,904	\$529,069	\$5,222,191	47.272%
St. Clair	\$367,458	\$399,480	\$464,089	\$439,748	\$439,139	\$458,299	\$421,447	\$423,718	\$424,971	\$429,581	\$457,927	587067	\$5,312,924	48.094%
Monroe	\$36,770	\$34,324	\$39,884	\$43,769	\$44,358	\$43,102	\$46,499	\$41,816	\$42,207	\$42,746	\$45,411	\$51,004	\$511,890	4.634%
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Cumulative Total	\$757,374	\$1,565,594	\$2,526,362	\$3,472,576	\$4,396,888	\$5,350,597	\$6,245,872	\$7,144,453	\$8,031,086	\$8,933,623	\$9,879,865	\$11,047,005		
% change/month	9.51%	10.36%	11.74%	14.8%	5.7%	5.9%	5.4%	5.8%	2.1%	5.0%	6.0%	3.8%		
% change/total	9.51%	9.95%	10.62%	11.72%	10.39%	9.56%	8.95%	8.54%	7.79%	7.50%	7.35%	6.96%	6.96%	
2011														
Madison	\$380,021	\$383,976	\$460,129	\$454,562	\$466,904	\$477,396	\$436,637	\$473,303	\$448,256	\$444,204	\$455,842	\$538,000	\$5,419,230	48.108%
St. Clair	\$363,984	\$395,231	\$455,562	\$437,820	\$436,490	\$475,972	\$433,460	\$433,777	\$441,030	\$412,793	\$451,390	\$594,129	\$5,331,638	47.330%
Monroe	\$38,315	\$34,759	\$41,192	\$44,975	\$41,786	\$45,836	\$44,887	\$43,323	\$42,564	\$42,690	\$42,252	\$51,266	\$513,845	4.562%
Total Month	\$782,320	\$813,966	\$956,883	\$937,357	\$945,180	\$999,204	\$914,984	\$950,403	\$931,850	\$899,687	\$949,484	\$1,183,395	\$11,264,713	
Cumulative Total	\$782,320	\$1,596,286	\$2,553,169	\$3,490,526	\$4,435,706	\$5,434,910	\$6,349,894	\$7,300,297	\$8,232,147	\$9,131,834	\$10,081,318	\$11,264,713		
% change/month	3.29%	0.71%	-0.40%	-0.94%	2.26%	4.77%	2.20%	5.77%	5.10%	-0.32%	0.34%	1.39%		
% change/total	3.29%	1.96%	1.06%	0.52%	0.88%	1.58%	1.67%	2.18%	2.50%	2.22%	2.04%	1.97%	1.97%	
2012														
Madison	\$381,470	\$406,476	\$473,049	\$471,191	\$481,989	\$477,254	\$427,562	\$434,603	\$428,193	\$428,521	\$429,127	\$523,240	\$5,362,675	47.481%
St. Clair	\$361,727	\$415,491	\$468,490	\$432,173	\$468,782	\$473,567	\$425,923	\$441,838	\$438,184	\$424,289	\$454,916	\$589,183	\$5,394,563	47.763%
Monroe	\$37,471	\$38,904	\$46,086	\$46,051	\$46,231	\$45,671	\$43,063	\$45,307	\$45,641	\$46,230	\$45,429	\$51,062	\$537,146	4.756%
Total Month	\$780,668	\$860,871	\$987,625	\$949,415	\$997,002	\$996,492	\$896,548	\$921,748	\$912,018	\$899,040	\$929,472	\$1,163,485	\$11,294,384	
Cumulative Total	\$780,668	\$1,641,539	\$2,629,164	\$3,578,579	\$4,575,581	\$5,572,073	\$6,468,621	\$7,390,369	\$8,302,387	\$9,201,427	\$10,130,899	\$11,294,384		
% change/month	-0.21%	5.76%	3.21%	1.29%	5.48%	-0.27%	-2.01%	-3.02%	-2.13%	-0.07%	-2.11%	-1.68%		
% change/total	-0.21%	2.83%	2.98%	2.52%	3.15%	2.52%	1.87%	1.23%	0.85%	0.76%	0.49%	0.26%	0.26%	

## Flood Prevention District Sales Tax Trends 2009-2014

### 2013

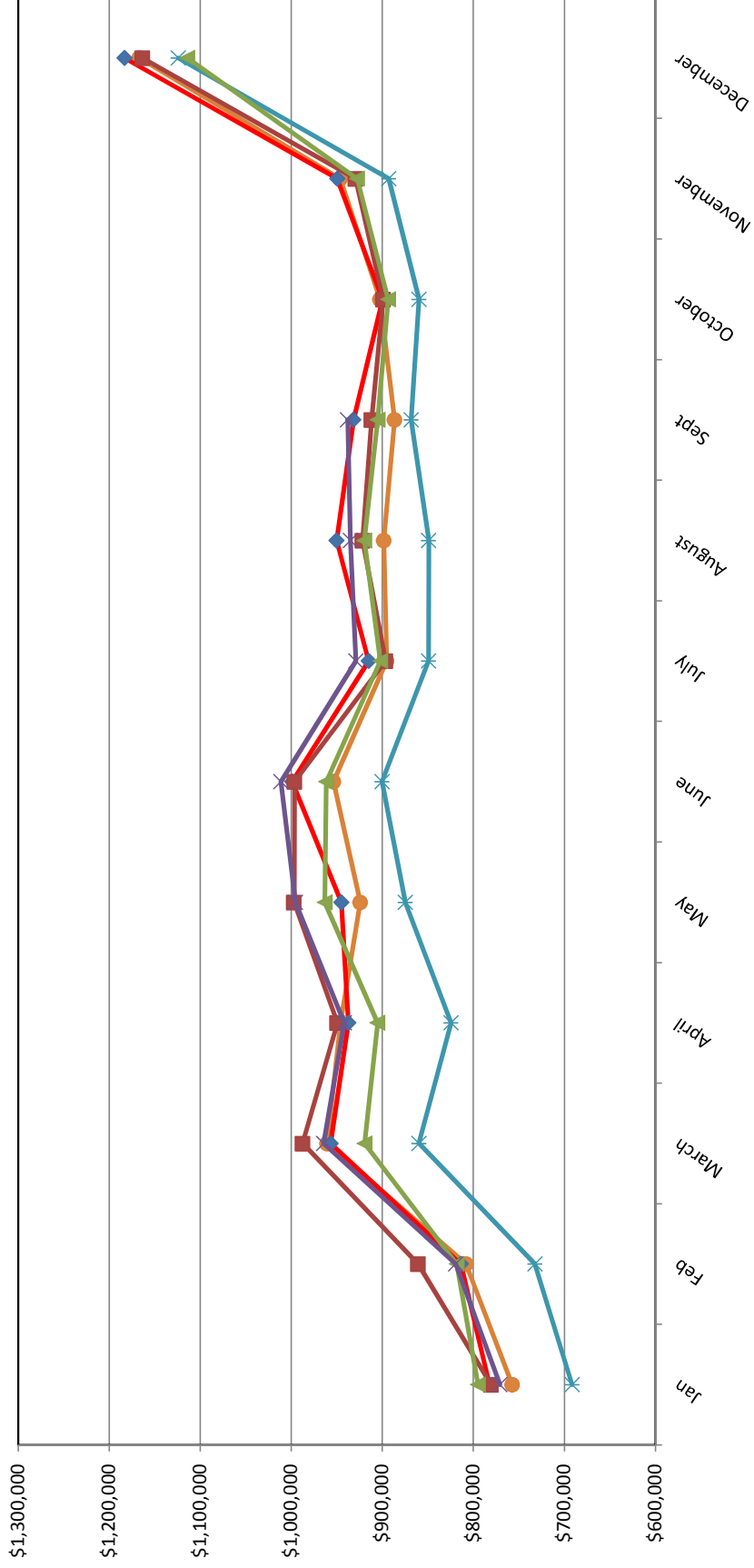
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$375,398	\$383,170	\$424,507	\$425,469	\$457,212	\$451,494	\$436,686	\$442,449	\$430,541	\$429,499	\$432,541	\$500,233	\$5,189,199
St. Clair	\$381,645	\$395,527	\$449,397	\$434,001	\$457,942	\$462,603	\$422,892	\$432,195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

### 2014

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$373,895	\$383,909	\$456,964	\$457,729	\$484,657	\$491,911	\$455,629	\$454,995	\$442,808				\$4,002,498
St. Clair	\$354,762	\$395,885	\$460,143	\$436,379	\$458,819	\$470,546	\$426,263	\$434,064	\$445,419				\$3,882,281
Monroe	\$42,321	\$39,665	\$47,587	\$47,796	\$52,206	\$49,022	\$47,357	\$46,167	\$50,056				\$422,176
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249	\$935,226	\$938,283				\$8,306,955
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				
% change/month	-3.01%	0.13%	4.90%	4.03%	3.35%	5.17%	2.99%	1.68%	3.64%				
% change/total	-3.01%	-1.42%	0.88%	1.71%	2.07%	2.62%	2.68%	2.55%	2.67%				

# Flood Prevention District Sales Tax Trends 2009-2014

## Actual Receipts 2009-2014



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

Beginning Bank Balance November 1			\$	392,104.37
Receipts				
UMB	11/14/2014	Funds Transfer Construction		3,421,825.85
UMB	11/14/2014	Funds Transfer Admin		18,961.07
UMB	11/24/2014	Funds Transfer Construction		21,018.25
The Bank of Edwardsville	11/30/2014	Interest November		135.49
				<b>3,461,940.66</b>
Disbursements				
ABNA	11/05/2014	Design & Construction		1,253.35
Microsoft Office	11/05/2014	Internet Expense		0.99
AT & T	11/13/2014	Telephone		91.86
AMEC Earth & Environmental, Inc.	11/14/2014	Construction		377,798.18
CliftonLarsonAllen LLP	11/14/2014	Professional Services		2,100.00
Columbia Capital	11/14/2014	Professional Services		600.00
Haier Plumbing	11/14/2014	Construction		545,853.40
Marks & Associates	11/14/2014	Design & Construction		10,530.00
Sprague & Urban, Attorneys at Law	11/14/2014	Professional Services		1,050.00
Wood River Drainage and Levee District	11/14/2014	Construction		104.00
ABNA	11/14/2014	Design & Construction		46,292.80
The Bank-Service Fees	11/14/2014	Wire Fee		10.00
The Bank-Service Fees	11/14/2014	Wire Fee		10.00
Kamadulski Excavating & Grading CO, Inc	11/14/2014	Construction		798,008.13
Keller Construction Inc	11/18/2014	Construction		218,062.50
Keller Construction Inc	11/18/2014	Construction		503,865.11
Korte & Luitjohan Contractors Inc	11/18/2014	Construction		262,200.00
The Lane Construction Corporation	11/18/2014	Construction		642,620.41
The Bank-Service Fees	11/18/2014	Wire Fee		15.00
The Bank-Service Fees	11/18/2014	Wire Fee		15.00
The Bank-Service Fees	11/18/2014	Wire Fee		15.00
The Bank-Service Fees	11/18/2014	Wire Fee		15.00
The Bank-Service Fees	11/18/2014	Wire Fee		15.00
Cost Less Copy Center	11/18/2014	Boarding Meeting Materials		273.60
CDW Government	11/19/2014	Supplies		271.41
Walmart	11/20/2014	Supplies		24.45
Endicia	11/20/2014	Postage		50.00
Dorgan, McPike & Assoc, LTD	11/20/2014	Professional Services		3,000.00
Husch Blackwell Sanders	11/20/2014	Construction		26,567.10
The Bank-Service Fees	11/28/2014	Bank service charge		18.08
Microsoft Office	11/30/2014	Internet Expense		0.99
				<b>3,440,731.36</b>
			\$	<b>413,313.67</b>



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Change Order BP #7A  
Date: December 15, 2014

Per the Board's Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board.

We have one change order that AMEC will be explaining at the meeting. AMEC will also be providing an update on change orders to date.

**Bid Package 7A – Change Order 3 Excavation Quantity Adjustment \$98,660.80**

On 11/27/2014 Kamadulski (the Contractor) submitted a change order request for \$98,660.80, citing an increase in quantity for the Bid Line Item #0009 (Excavation – Levee Slope and Crown; b. – All over 12,030 CY). The planned quantity for excavation was 16,040 Cubic Yards (CY). The Contractor submitted the change order request stating that they excavated approximately 28,296 CY, resulting in a difference of 12,256 CY at a unit bid price of \$8.05 / CY.

AMEC requested all surveyed points from the Contractor's surveyor and reviewed each set of points to compare against the planned quantities. The point files received from the Contractor contained a sufficient number of ground elevation points to determine a representative excavation volume.

Approximately 1,860 CY of the difference was due to the difference in existing grade elevations. The original design was based on LiDAR survey data obtained from the U.S. Army Corps of Engineers St. Louis District. The survey points obtained from the Contractor are from a ground topographic survey. On average, the elevation discrepancy between the LiDAR survey and the actual ground survey was approximately 0.27 ft. (3.3 in.). This is within the generally accepted tolerance level for a LiDAR survey (< 0.5 ft., or 6 in.).



The remaining 10,396 CY was due to the Contractor cutting deeper than planned in certain areas. The planned excavation quantity was based on a 5 ft. thick cut under existing grade. These additional cuts are a result of irregularities in the levee face that are were not reasonably feasible to avoid. For instance, where there are utility crossings and road crossings, the levee is mounded up to accommodate the additional material needed to cover the utilities and properly grade out the roads. To accommodate the aggressive schedule required to meet the certification deadline for Upper Wood River Levee, the contractor used a Dozer with GPS to grade out the bottom of the excavation cut, which generally requires a flat working surface; therefore was not able to cut exactly 5 ft. down from existing grade at the areas of irregularities.

Cutting exactly (or closer to) 5 ft. from existing grade would have required substantial staking and survey during the cut, resulting in an increased schedule and increased possibility of missing the window of time this past fall to construct the shallow cutoff wall. AMEC has reviewed all the points and grading surfaces in both AutoCAD Civil 3D and InRoads (a MicroStation Add-In) to verify the volume is accurate.

AMEC agrees with the Contractor that this change order is warranted; AMEC recommends Change Order 3 to Bid Package 7A in the amount of \$98,660.80.

I have reviewed this change order and recommend approval.

Recommendation: Authorize the Chief Supervisor to approve BP #7A – Change Order 3 – Excavation Quantity Adjustment at a cost not to exceed \$98,660.80.



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: 500-Year (Authorized) Level Flood Protection  
Date: December 15, 2014

With the Corps of Engineers' decision on the utilization of Project Labor Agreements, we must now look at alternatives for achieving the authorized 500-year flood level of protection.

At last month's Board meeting Mike Feldmann requested that the Corps and the FPD get together and form a partnership to develop a clear long term plan for the 500-year authorized level of protection for the area.

On December 2<sup>nd</sup>, Jon Omvig and I met with Tracey Kelsey, to start the process.

As Mike indicated in his presentation last month, there are a number of conditions that need to be satisfied, before work can be eligible for the In-Kind Credit.

While the implementation guidelines for the recently passed Water Resources and Development Act (WRRDA) are being developed, the Corps is using Memorandums of Understanding to achieve eligibility of projects on an interim basis.

There is still the issue of the Integral Determination Report (IDR) which describes the work that is to be or was constructed is integral to the Design Deficiency Project and what portion would be eligible for credit.

Also, In-Kind Credit requires the amendment of the Project Partnership Agreements, which will identify what will exactly be eligible and is the final step.

Taking all of this into account, there are a couple of scenarios on how to proceed.

First let me say, the traditional approach of providing the 35% non-federal cost share to the Corps and the Corps handling the total design and construction will not be utilized due to the Corps' lack of PLAs in their construction contracts.

However, there are still possible venues that can be taken to utilize federal funding.

I want to generally explain these to you today, and next month provide you with details and costs estimates and expectations of achievement. These would be based on the utilization of the \$95 million currently estimated to be available after issuance of additional bonds.

I have two scenarios to present to you today, there may be others as we continue to look at the alternatives involved.

#### Approach No. 1

AMEC would be responsible for all the design (including field work) and construction management. The Corps will continue to be involved in construction observation. All construction would include the utilization of PLAs. Projects to be completed would be determined by coordinating with the Corps to determine complexity of permitting and approval (408 process), but most likely would be the relief well/pump station type and not deep cutoff wall type. The FPD would be financially responsible for all design, construction, mitigation, property acquisition, hazardous material removal, etc. As indicated in the MOUs, all work, including mitigation, ROW acquisition, HTRW, and utilities would be executed per federal regulations.

AMEC is currently determining what their cost of design would be for the projects that the Corps recently requested non-federal cost share funds. In addition, they are working on a proposal to review the Corps priority list and develop a game plan on how the FPD can be most effective with the funds that we will have available after completing the 100-year projects.

The goal is to ensure that all funds spent (subject to MOU, IDR, and PPA conditions) would be considered for In-Kind Credit, which in turn, could be used as the FPD's 30% towards other projects completely designed and constructed by the Corps, such as the deep cutoff walls. The FPD would also have to contribute 5% cash (a Corps requirement) towards the total cost of the Design Deficiency Projects, for the normal total non-federal share contribution of 35%.

Projects will probably get designed quicker with this approach, but Corps approval of the 408 etc. will take longer since the design is by others and not the Corps. It may be possible to have the Corps involved during the design process, in order, to speed up Corps review and approval. This would probably require some additional FPD funding by the FPD to the Corps, but it would be justified with a quicker schedule and probability that these funds could be counted as part of the 5% cash requirement. It would also provide a mechanism for continued request of federal funds in future fiscal years.

#### Approach No. 2

This would be very similar to the first approach, except in this case, the Corps would be responsible for an initial partial design of projects (percent to be determined), with AMEC taking over and completing the design. Having the Corps involved in the initial design phase would assist in the Corps approval of the 408 reviews etc. and allow for greater execution of federal

funds. All field exploration required for the design would be handled by AMEC with the inclusion of a PLA. The non-federal share of the cost of the Corps providing the initial design would be considered part of the 5% cash requirement.

The goal of this approach is to determine the optimum balance of Corps and AMEC design that results in the least overall cost, including 408 submittal/review/approval process.

The advantage of both of these approaches is that over 92% of the FPD funds spent would include the utilization of a PLA and the area would be able to take advantage available matching federal funds. This percentage would increase depending on the involvement of the Corps in the design process and the amount of credit that the FPD is given for previous cash contributions towards design of Design Deficiency Projects. We have provided \$2,655,250 for design during the last year alone. It is possible with Corps involvement in the design and past FPD contributions, that 100% of the FPD funds would include the utilization of a PLA.

Both of these approaches eliminate the duplicate process that was utilized in the recent Wood River Cutoff Walls. Of course, the Corps utilization of the FPD's In-Kind Credits would be subject to their allocated funding in future years, but at least the FPD's In-Kind Credit portion and cash portion would be available.

It is probable that the earliest the FPD would have any In-Kind Credits available would be at the end of 2015, when BP #7B is completed.

It is my intent to work with AMEC and the Corps of Engineers to finalize details of these approaches and possibly others and make a joint presentation to the Board in January.