



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
**January 20, 2016 7:30 am**

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

1. Call to Order  
*Paul Bergkoetter, Vice-President*
2. Approval of Minutes of December 16, 2015
3. Public Comment on Pending Agenda Items
4. Election of President for Remainder of 2015-2016
5. Program Status Report  
*Chuck Etwert, Chief Supervisor*
6. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
7. Design and Construction Update  
*Jay Martin, Amec Foster Wheeler*
8. Flood Event Activities  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
9. Change Orders – BP #3 & BP #4  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
10. Amec Foster Wheeler Work Order #8 - Amendment 4  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*

AGENDA

11. Update from Corps of Engineers  
*Michael Feldmann, U.S. Army Corps of Engineers*
12. Public Comment  
  
Executive Session (if necessary)
13. Resolution of Appreciation
14. Other Business
15. Adjournment

**Next Meeting: February 17, 2015**

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING December 16, 2015

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday December 16, 2015.

#### Members in Attendance

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

#### Members Absent

None

#### Others in Attendance

Alan Dunstan, Madison County Board Chair  
Terry Liefer, Monroe County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
Rich Conner, Levee Issues Alliance  
Mike Feldmann, U.S. Army Corps of Engineers  
Walter Greathouse, Metro-East Sanitary District  
Bobby Green, Laborers Local 100/Laborers District Council  
Pam Hobbs, Geotechnology  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Phil Johnson, Phil Johnson Realtor  
Charles Juneau, Juneau Associates Inc.  
Ronald S. Kaempfe, IUE Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Steve Kochan, Wood River Levee & Drainage District  
Daniel Latham, Bloomsdale Excavating  
Jay Martin, Amec Foster Wheeler Environment & Infrastructure  
Rick Mauch, SCI Engineering

Jon Omvig, Amec Foster Wheeler Environment & Infrastructure  
Joe Parente, Madison County  
Rhonda Sauget, Leadership Council Southwestern Illinois  
Dale Stewart, Southwestern Illinois Building Trades Council

### **Call to order**

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

### **Approval of Minutes of November 18, 2015**

A motion was made by Tom Long, seconded by Debra Moore, to approve the minutes of the Board meeting held on November 18, 2015. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

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

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

### **Program Status Report**

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

He indicated approximately 71% of the \$62.1 million of construction, involved in all nine current construction bid packages, has been completed thru November. The amount of work completed during the month was just under \$400,000., due to unusual high river conditions at this time of year and the process of obtaining approvals by the Corps of Engineers on the replacement of the High Density Polyethylene Pipe (HDPE) with Reinforced Concrete Pipe (RCP) on the various bid packages. The total amount of construction completed is now \$44.1 million.

He discussed the sale of the Council's 2015 Series AB bonds which has been very successful. Net proceeds for the project will total \$25.7 million (senior bonds) and \$51.8 million for the (subordinate bonds) for a total of \$77.5 million. In the approved FY 2016 budget there was an estimated \$65 million, so this is great news. He indicated that Columbia Capital would provide an update later in the meeting.

He provided the Council the additional comments submitted to the Corps of Engineers regarding the Wood River Cutoff Wall Phase 2 Solicitation and the Corps' response to the FPD's suggestions, which thanked the FPD for their comments but didn't result in any changes.

Next he discussed the Corps' request to the Council to make a commitment to provide cost share funds for the Wood River Upper Shallow Cutoff Wall project no later than December 16, 2015. The project would be bid by the Corps utilizing the Best Value Tradeoff approach instead of the Lowest-Price Technically Acceptable approach.

The Best Value Tradeoff approach would utilize a weighting system and there would be no guarantee that the proposal selected would have a Project Labor Agreement (PLA). The only information available after the award of the contract would be the name of the selected offeror, the price, if a PLA was included and the number of proposals received.

He provided the Council, the response to the Corps' request, which included questions regarding the utilization of Work In-Kind credit accrued on a project being still being built, the project cost estimate, and the draft solicitation for the project. He provided the Corps response to the questions.

The answer received to the question of "utilizing Work In-Kind credit accrued on a project still being constructed" was that utilizing Work In-Kind credit for cost share can only be afforded after approval of the Integral Determination Report (IDR) and that IDR approval will not take place prior to December 16<sup>th</sup>.

He indicated, if the FPD could utilize Work In-Kind credit for this project along with the 5% cash already contributed, the Corps could test the Best Value Tradeoff Approach process and see how it performs. It could be a win win situation, with the FPD not committing funds where a PLA isn't guaranteed and the Corps utilizing a new process. It's hard to justify committing a million dollars now, when it might be possible in a few months to use Work In-Kind credit to achieve the same end result. Unfortunately, no one knows how long it will take to obtain IDR approval, but it may be well worth the wait.

In their response, the Corps stressed that the decision to provide a cash cost share contribution better positions the Corps for future federal appropriations, but a Work In-Kind credit alternative aligns with the "Workforce Policies" included in the Council's Resolution Expressing the Official Intent to Restore the Federally Authorized Level of Mississippi Flood River Protection in the Metro-East.

The Corps' cost estimate is an estimate, and once a cost share commitment is made, the FPD would be locked into a 35% share even if the selected offeror comes in much higher.

A final version of the solicitation itself, would only be available after receipt of FPD funds. The FPD's solicitation comments regarding the rating factors haven't resulted in any changes to date.

On another topic, he indicated that the Corps of Engineers has informed the Council that it will evaluate the East St. Louis Flood Protection Project system for the purposes of National Flood Insurance Program (NFIP) accreditation. The NFIP evaluation will be completed at full federal expense, pending availability of funds. The Corps has been asked when this determination of funding availability will be known.

The Corps has also informed the Council that it is likely that there will be insufficient federal funds available to complete the preliminary design efforts necessary for all of the bid packages the FPD has identified for completion. The FPD will continue to work with the Corps to determine project costs and express our position on where the limited funds that are available to the Corps should be spent. Of course, with the success of our 2015 bond issue, we have the funds available to start building projects once Amec Foster Wheeler completes the design. It appears that the Corps would like to use a portion of their funds to complete the design of the Wood River and East St. Louis Deep Cutoff Walls, which the Council provided the non-federal design share funds to them back in September of 2014. At this time the Corps doesn't have funds to build either of these projects.

He was pleased to report that FEMA has updated their website regarding the updating of their flood maps. The project status is still shown as "On-hold" but the Projected Effective Date is now 06/21/2017 instead of 06/16/2016. This new date coincides well with our latest schedule of having all construction completed by September 2016 and all certifications submitted by the end of the year.

The Board was provided a copy of an article from The Bond Buyer regarding the FPD's subordinate bond issue and Amec Foster Wheeler's Monthly Progress Report for December.

A motion was made by Mr. Polka, seconded by Mr. Bergkoetter, to accept the Program Status Report for December 2015. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman - Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long - Aye  
Dr. Moore - Aye  
Mr. Motil - Aye  
Mr. Parks - absent

Mr. Pennekamp – Aye

The motion was approved unanimously.

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

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

Mr. Etwert noted that financial statement for November 2015 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 November 30, 2015, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2015 are \$9,477,152 while revenues amounted to \$1,971,877 resulting in a deficit of \$7,505,275. A total of approximately \$25,069,630 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 2015 (the latest month reported by the Illinois Department of Revenue) were up 1.85% from the previous year. In general, receipts are up .86% from last year, which was our highest year. Receipts for the last four months are the highest ever for each of those particular months, which is a good trend.

The report included bank transactions for November 2015. Total disbursements for the month were \$3,320,180.83. The largest payments were to Keller Construction for BP #3 and BP #5, TREVIICOS South for BP #7B, , Lane Construction for BP #6, Haier Plumbing for BP #2C, Roxana Landfill, Inc., Amec Foster Wheeler, and Husch Blackwell.

Also, for the Board's review and anyone else who was interested, Mr. Etwert provided copies of each requisition, which was represented on the November 2015 Bank Transaction Schedule prepared by CliftonLarsonAllen.

Mr. Etwert recommended that the Board accept the budget report and disbursements for November 2015.

A motion was made by Mr. Motil, seconded by Dr. Moore, to accept the budget report and approve the disbursements for November 2015. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – Aye  
Dr. Moore – Aye

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

The motion was approved unanimously.

## **Design and Construction Update**

Mr. Pennekamp called on Jay Martin, Amec Foster Wheeler’s project 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 construction status of each bid package, FEMA Certification Update, and the Authorized Level (500-Year) Design as follows:

### **Construction Status**

#### **Bid Package 2A – Fish Lake Pump Stations**

- Amec Foster Wheeler preparing documents for USACE.

#### **Bid Package 2B – WR/MESD/PDP Pump Stations**

- The majority of planned construction for this project is complete.
- Notice to Proceed prepared and will be issued for replacement pipe and erosion control items.
- Amec Foster Wheeler preparing close-out documents for USACE.

#### **Bid Package 2C – Site 12 Pump Station Force Mains (MESD)**

- Ductile iron force main testing conducted this week.
- All other items complete.

#### **Bid Package 3 – Wood River Seepage Improvements**

- Design revisions to Blanket Drain 4 are pending. Evaluating pricing from contractor. Potentially to the Board next month.
- Lower Wood River relief well drilling – balance of designs reviewed and approved by the USACE.
- Upper Wood River is substantially complete.

#### **Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)**

- Clay Cap approximately 80% complete.
- Piezometer installation progressing.
- Notice to proceed prepared and will be issued for replacement of HDPE pipe with concrete.

#### **Bid Package 5 – MESD Seepage Improvements**



- Amec Foster Wheeler working with contractor on HDPE to concrete pipe replacement.
- Protruding clay cap change order is awaiting easement execution and USACE PCN Approval

**Bid Package 6 – Prairie du Pont / Fish Lake Seepage Improvements**

- Seepage berms – 95% complete

**Bid Package 7B – Wood River Lower (Deep) Cutoff Wall**

- Deep cut off wall test section – reviewed and accepted.
- Contractor began production December 1, 2015
- Six primary panels complete as of December 13, 2015

**Construction Photos**

**Bid Package 2C – MESD –Outfall Structure and Earthwork Complete**

**Bid Package 3 – Wood River – Blanket Drain 6 In Progress**

**Bid Package 3 – Wood River –Blanket Drain 6 Complete**

**Bid Package 7B – Wood River –Deep Cutoff Wall Full Production**

He next discussed the FEMA Certification packages.

**FEMA Certification Update**

**Upper Wood River**

- Construction is substantially complete
- USACE will certify to FEMA (due to Mel Price seepage area).
- Amec Foster Wheeler to submit documentation to USACE within 2 months.
- USACE is 95% complete with their compilation of Non Amec Foster Wheeler Data.
- Submit to FEMA early 2<sup>nd</sup> Quarter of 2016

**Wood River East & West Forks**

- Certification is pending INDR Approval of Interior Drainage Analysis
- Submit to FEMA Upon Approval of IDNR Reports

**MESD**

- Pending completion of Bid Packages 2B, 4, & 5.
- 10.5’ diameter sewer rehabilitation design underway.
- Critical Path is Clay cap construction & 10.5’ sewer
- Construction Completion 3<sup>rd</sup> Quarter 2016
- Submittal to Corps 4<sup>th</sup> Quarter 2016

### **Prairie du Pont & Fish Lake**

- Pending completion of Bid packages 2B & 6.
- Construction Completion 1<sup>st</sup> Quarter 2016
- Submit to FEMA by 2<sup>nd</sup> Quarter of 2016.

Lastly, he discussed the status of the Authorized Level (500-Year) Design

### **Wood River**

- Analysis of Council improvements by USACE on going and could modify the approved plan.
- Drilling started early November – Anticipate completion in January 2016.
- Access agreement in process

### **MESD**

- Drilling Plan submitted to USACE

### **PdP/FL**

- Currently being reviewed by the USACE against FEMA improvements. (Corps estimated January 2016 completion of review)

Mr. Kaempfe asked how many panels TREVIICOS would be installing, to which Mr. Martin indicated approximately one hundred panels would be installed.

Mr. Parks arrived during the presentation.

Mr. Pennekamp asked for a motion to accept Mr. Martin's progress report. A motion was made by Mr. Long, with a second by Mr. Parks, to accept the Amec Foster Wheeler progress report. Mr. Conrad 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  
Dr. Moore – Aye  
Mr. Motil – Aye  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

Mr. Polka had left the room briefly.

### **Bond Issue Update**

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

Mr. Etwert explained that the sale of the Council's 2015 Series AB bonds has been very successful. Net proceeds for the project will total \$25.7 million (senior bonds) and \$51.8 million for the (subordinate bonds) for a total of \$77.5 million

Jeff White is in Denver on a bond pricing for another client, therefore, Khaleen Dwyer of Columbia Capital, who has been actively involved with the FPD from the beginning, is here today and will provide the Board with an update on what has occurred and what still remains regarding the issuance.

Mr. Dwyer provided the Board with a handout which summarized the Bond Pricing Results. He indicated that approximately a year ago the Council had engaged Columbia Capital, as its financial advisor to assess its capacity to issue bonds to fund improvements for the 500-Year Authorized Level of protection. At that time, Columbia Capital estimated approximately \$75 million in bonding capacity.

He indicated that the 2015A Bonds (Senior) underwritten by PNC Capital Markets, out of Chicago, had produced proceeds of 25.7 million dollars and the 2015B Bonds (Subordinate) underwritten by RBC Capital Markets, also out of Chicago, had produced proceeds of 51.8 million dollars for total bond proceeds of 77.5 million dollars. This was about 2.8 million dollars more than the estimate of a year ago.

He explained the market conditions at the time of each sale, the reception of the Council bonds, the rating of the bonds, the financing terms of the bonds, the demand for the bonds, and the debt service schedule. Lastly, he discussed the Council's good fortune of issuing bonds at all time low Bond Index interest rates.

Mr. Pennekamp asked for a motion to accept Mr. Dwyer's update report. A motion was made by Mr. Motil, with a second by Mr. Brinkman, to accept Columbia Capital's Bond Issue Update Report. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman - Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long - Aye  
Dr. Moore - Aye  
Mr. Motil - Aye

Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

### **Financial Advisor Services**

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

Mr. Etwert explained that in February 2014, Columbia Capital Management, LLC was selected, by a qualification-based procurement, to provide financial consulting and debt issuance services to the Council for a period concluding on December 31, 2015.

At his request, Columbia Capital Management, LLC submitted a proposal to continue as the Council's Financial Advisor for the next two years. An attachment providing details on individual tasks, person-hour estimates and staff costs was provided in the agenda package.

The proposed extension uses the same format as with our current contract and consists of the scope of services identified on the attachment including, the closing and wrap-up of the Series 2015AB Bonds, maintenance and support of the Council's debt program, a 2017 update of the Council's financial plan, investment advisory services and post-issuance compliance services with a total cost not to exceed \$164,411. The hourly rates are the same as in their original request for proposal.

Costs were estimated based on blended and fully loaded hourly rates and will be reimbursed based on monthly invoices for time and direct costs spent on the work. Further consulting as may be requested after the completion of contracted work products will be done at a rate of \$270/hr. in an amount not to exceed \$26,600. Direct costs will be reimbursed in accordance with Council policy in a total amount not to exceed \$3,050. The contract is for a two year period concluding on December 31, 2017.

Columbia Capital has provided an outstanding effort during the long (and at times difficult) process of getting the Series 2015AB Bonds to market and issued.

He requested that the Chief Supervisor be authorized to enter into contract with Columbia Capital Management, LLC to provide financial consulting, investment advisory services and post-issuance compliance services for the next two years in accordance with the scope of work indicated for a total amount not to exceed \$164,411. Consulting services provided beyond the scope of work, if needed, will be reimbursed at a rate of \$270/hr. in a total amount not to exceed \$26,600. The contract will be for a time period to conclude on December 31, 2017. Any additional costs or work beyond the amounts described herein will require Board authorization.

Mr. Pennekamp asked for a motion to accept Mr. Etwert's recommendation. A motion was made by Mr. Parks, with a second by Mr. Conrad, to extend the engagement of Columbia Capital Management, LLC to provide financial consulting, investment advisory services and post-

issuance compliance services for the next two years in accordance with the scope of work indicated for a total amount not to exceed \$164,411. Consulting services provided beyond the scope of work, if needed, will be reimbursed at a rate of \$270/hr. in a total amount not to exceed \$26,600. The contract will be for a time period to conclude on December 31, 2017. Any additional costs or work beyond the amounts described herein will require Board authorization. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – Aye  
Dr. Moore – Aye  
Mr. Motil – Aye  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

**Change Orders - BP #3, BP 35, & BP #6**

Mr. Pennekamp asked Mr. Omvig to explain this item.

Mr. Omvig provided the following explanation for the three change orders on the agenda.

**Bid Package #3 – Delete Duplicate PZ’s Per PCN-044 (\$35,779.00 Credit)**

Delete:

PZ01 (Above Grade), PZ02 (At Grade), PZ03 (Above Grade), PZ32 (Above Grade) and PZ29 (Above Grade)

3.30 Piezometer Above Grade – 4 each @ \$9,036.00 each - \$36,144.00

3.31 Piezometer At Grade – 1 each @ \$9,036.00 - \$9,036.00

Total Deductive Change Order = \$45,180.00

Add:

Add Bollards on additional PZ’s.

PZ#	Location	#of Extra Bollards
PZ-06	RC Park	2
PZ-22	Olin	2
PZ-26	Koch	2
PZ-41	Enviro Way	2
PZ-50	Wagon Wheel	1
PZ-52	Wagon Wheel	1
PZ-56	Wagon Wheel	1

Add 11 each bollards at the above locations \$9,401.00

Total additive change order = \$9,401.00

Net Credit to Contract = \$35,779.00

**Bid Package #5 – Pipe Material Change \$149,000.00**

This change order is related to the pipe material change for the relief well collection system from high-density polyethylene (HDPE) pipe to reinforced concrete pipe (RCP). This additional cost is required to haul off and dispose of excess (old) granular bedding material that is placed around the existing HDPE pipe; after discussing this material with the Corps of Engineers, it was determined that the material could not be placed back in the trench as backfill as originally planned. Additionally, this cost covers the additional pipe testing in the field that is now required of the contractor during construction of the concrete pipe.

**Bid Package #6 – Right of Way Monuments \$3,770.53**

During on-going construction of seepage improvements, right of way (ROW) markers/monuments were found at stations 388+00 and 533+00. State law requires any found monuments to be surveyed in-place by an Illinois Surveyor before the monument is moved, and replaced by the surveyor after construction is completed. Work associated with removal and resetting the ROW markers include locating, removing, and installing two new monuments when work is completed at stations 388+00 and 533+00 in clay cap and seepage berm areas.

Mr. Etwert requested that the Chief Supervisor be authorize to approve requested change orders for BP #3 credit for deletion of duplicate piezometers (\$35,779.00) with Keller Construction; BP #5 change order for pipe material change for \$149,000 with Keller Construction; and BP #6

change order for Right of Way Monuments for \$3,770.53 with Lane Construction; for a total not to exceed \$116,991.53.

Mr. Pennekamp asked for a motion to accept the recommendation on the change orders discussed. A motion was made by Mr. Bergkoetter, with a second by Mr. Parks, to authorize the Chief Supervisor to approve requested change orders for BP #3 credit for deletion of duplicate piezometers (\$35,779.00) with Keller Construction; BP #5 change order for pipe material change for \$149,000 with Keller Construction; and BP #6 change order for Right of Way Monuments for \$3,770.53 with Lane Construction; for a total not to exceed \$116,991.53. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman – Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long – Aye  
Dr. Moore – Aye  
Mr. Motil – Aye  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

### **Corps of Engineers Update**

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

Mr. Feldmann used a PowerPoint® presentation to provide an update on the project status of the Metro East Projects, dividing it into two categories, the first addressing all activities that are independent of cost share, and are 100% federally funded, and the second category of those activities involving cost share.

He first discussed the Mel Price Report which is scheduled to be completed in June of this year. If completed on time, additional funds should be left this year to initiate some design efforts to implement the solution identified in the report. Additional appropriations will be needed in future years to complete the design and construct. In conjunction with the Mel Price interim operating plan, the Corps is constructing twenty new relief wells to replace some of the wells that weren't performing well and weren't reducing risk. These wells will be part of the final solution.

Mr. Ewert inquired if these wells were part of the new solution to correct the Mel Price problem, which previously was a deep cutoff wall at an estimated cost of 35 to 40 million dollars, but is now thought to be 100 relief wells and associated drainage. Mr. Feldmann confirmed that this was pre-decisional information, the Corps has reformulated the solution to incorporate a lot of

relief wells to keep the cost in the range of the original report. There was a time when the Corps was concerned that it had orders of magnitude in cost increase. This led to the reformulation of the decision that produced an alternate solution, which still has to be adopted and signed off on by the agency as a whole.

He discussed the NFIP Certifications on the Wood River Upper and East St. Louis next. The Wood River Upper is substantially complete, with the Corps waiting for as-builts from Amec Foster Wheeler. There are no issues anticipated. The Corps is working on the East St. Louis Levee System Evaluation Report, which will have a different process. It is a 100% federal effort, but the project that is funding it is closing, and the Corps is trying to determine if it has the funding ability to complete the effort. In addition, the interior drainage requirements are being reviewed.

Next he discussed, cost share Design Deficiency projects involving the Wood River and East St. Louis. He didn't discuss Prairie Du Pont since it is still in the study category and the amount of funding available.

He provided the federal funds on hand for Wood River \$2.2 M and East St. Louis \$2.1 M. In order to spend all of these funds, the Corps would need additional funds from the Council of \$1,342,232 for Wood River and \$58,247 for East St. Louis. These funds could be cash or credit.

He indicated that Ms. Kelsey would probably be bringing specific funding requests to Mr. Etwert for the January Board meeting. The Corps will be in need of an infusion of funds for Wood River in about sixty days. Lack of additional funds could freeze activities. Infusion of funds would allow the Corps eight to nine months of federal activity.

Next he discussed the Corps scheduled activities which included the preliminary design of the Council's bid packages and the cost share analysis of borings process from AMEC drilling.

He expressed the Corps intent to complete the initial designs in Wood River and East St. Louis. The Corps also wants to complete the design of the relief well system which is now replacing the original cutoff wall design

Lastly, he discussed the completed designed Wood River Shallow Cutoff Wall, which is ready to be solicited by the Best Value Tradeoff Approach, and the need to move forward and start construction. The Corps always prioritizes construction over design.

Mr. Etwert question the Wood River fund balance of \$2.2 M versus \$3.4 M previously indicated to the Council. Mr. Feldmann indicated that the \$3.4 million was probably the funds available at the beginning of the October and the \$2.2 was an estimate of funds at the end of January.

There was a clarification that the Wood River design project was still a deep cutoff wall with a few relief wells added and the East St. Louis design project has replaced the deep cutoff wall with relief wells with a drainage system.



Mr. Etwert expressed concern that the Corps wants to use their funds to complete the design of these projects which they don't have funds to build. The FPD would rather the Corps use these available funds on the oversight of the projects that Amec Foster Wheeler is designing. The Amec Foster Wheeler designs will be complete in August or September and with the recent successful bond issue, the FPD has the funds to build these projects immediately upon completion of design.

It seems that it would be more appropriate to spend funds where there were funds to construct a project versus using funds to complete the design of a project which didn't have any funds for construction. The FPD desires to provide input to the Corp regarding where their limited funds should be spent.

Mr. Feldmann indicated that the implementation guidance for Work In-Kind credit should be forth coming in the near future with the completion of Integral Determination Reports to follow.

Next he discussed what could be done with Work In-Kind credit. He indicated credit did enable federal appropriations, but that he couldn't pay staff with credit or award a construction with only credit. Cash infusions improves his ability to execute design or construction efforts.

The Corps appropriation process always gives preference to construction packages over design packages. A construction package for a project that has been partially built competes better than a new construction package, this would be the case with the Wood River Shallow Cutoff Wall. The Corps bases its requests for funding on these parameters.

The FPD has a choice on how it wants to proceed providing credit or cash. Work In-Kind credit would be applied to the project as soon as it is allowed to be applied. He expressed his concern regarding the passing of time and budget opportunities that could occur in the interim.

He indicated that hopefully, Ms. Kelsey would be providing the funding requests for Wood River and East St. Louis to Mr. Etwert for the January meeting to support the existing federal funds presently available. He again stressed looking for a way to construct a project using the federal funds, which would improve the ability to obtain additional federal funds.

There were no additional questions for Mr. Feldmann.

A Mr. Pennekamp asked for a motion to accept the Corps report. A motion was made by Mr. Long, with a second by Mr. Bergkoetter to receive the Corps report. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - Aye  
Mr. Brinkman - Aye  
Mr. Bergkoetter - Aye  
Mr. Conrad - Aye  
Mr. Long - Aye

Dr. Moore - Aye  
Mr. Motil – Aye  
Mr. Parks – Aye  
Mr. Pennekamp – Aye

The motion was approved unanimously.

**Public Comment**

Mr. Pennekamp asked if there is any public comment. There was none.

**Other Business**

Chairman Dunstan thanked the Council for its work, and indicated that he had nominated Mr. Pennekamp to fill an opening on the Metro East Sanitary District Board, which would be voted on at the Madison County meeting later that day. Since this would be conflict of interest, this was probably Mr. Pennekamp’s last meeting on the Council. Chairman Dunstan also indicated, he planned on Mr. Pennekamp being made chairman of the MESD Board, where he would continue to work with the FPD Council.

There was a round of applause in recognition of Mr. Pennekamp’s service.

**Adjournment**

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

Respectfully submitted,

John Conrad,  
Secretary/Treasurer, Board of Directors



## Progress Report December 16, 2015

### Southwestern Illinois Levee Systems

By Jay Martin



## Construction Status



- ▶ Bid Package 2A – Fish Lake Pump Stations
  - ▶ Amec Foster Wheeler preparing documents for USACE.
  
- ▶ Bid Package 2B – WR/MESD/PdP Pump Stations
  - ▶ The majority of planned construction for this project is complete.
  - ▶ Notice to Proceed prepared and will be issued for replacement pipe and erosion control items.
  - ▶ Amec Foster Wheeler preparing close-out documents for USACE.
  
- ▶ Bid Package 2C – Site 12 Pump Station Force Mains (MESD)
  - ▶ Ductile iron force main testing conducted this week.
  - ▶ All other items complete.



## Construction Status

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- ▶ **Bid Package 3 – Wood River Seepage Improvements**
  - ▶ Design revisions to Blanket Drain 4 are pending. Evaluating pricing from contractor. Potentially to the Board next month.
  - ▶ Lower Wood River relief well drilling – balance of designs reviewed and approved by the USACE.
  - ▶ Upper Wood River is substantially complete.
  
- ▶ **Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)**
  - ▶ Clay Cap approximately 80% complete.
  - ▶ Piezometer installation progressing.
  - ▶ Notice to Proceed prepared and will be issued for replacement of HDPE pipe with concrete.

---

3



## Construction Status

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- ▶ **Bid Package 5 – MESD Seepage Improvements**
  - ▶ Amec Foster Wheeler working with contractor on the HDPE to concrete pipe replacement
  - ▶ Protruding clay cap change order is awaiting easement execution and USACE PCN Approval.
  
- ▶ **Bid Package 6 – Prairie du Pont / Fish Lake Seepage Improvements**
  - ▶ Seepage berms ~ 95% complete
  
- ▶ **Bid Package 7B – Wood River Lower (Deep) Cut-off Wall**
  - ▶ Deep cut off wall test section - reviewed and accepted.
  - ▶ Contractor began production December 1, 2015
  - ▶ Six primary panels complete as of December 13, 2015

---

4

## Bid Package 2C – MESD



Outfall Structure  
and Earthwork  
Complete



12/09/2015 17:23

## Bid Package 3 – Wood River



Blanket Drain 6  
In progress



12/03/2015 16:46

## Bid Package 3 – Wood River



Blanket Drain 6  
Complete

12/10/2015 13:38

## Bid Package 7B – Wood River



Deep Cutoff Wall  
Full Production



## FEMA Certification Update

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### ► Upper Wood River

- ▶ Construction is substantially complete.
- ▶ USACE will certify to FEMA (due to Mel Price seepage area).
- ▶ Amec Foster Wheeler to submit documentation to USACE within 2 months.
- ▶ USACE is 95% complete with their compilation of Non Amec Foster Wheeler Data.
- ▶ Submit to FEMA early 2<sup>nd</sup> Quarter of 2016

### ► Wood River East & West Forks

- ▶ Certification is pending IDNR Approval of Interior Drainage Analysis
- ▶ Submit to FEMA Upon Approval of IDNR Reports

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9



## FEMA Certification Update

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### ► MESD

- ▶ Pending completion of Bid Packages 2B, 4, & 5.
- ▶ 10.5' diameter sewer rehabilitation design underway.
- ▶ Critical Path is Clay cap construction and 10.5' sewer
- ▶ Construction Completion 3<sup>rd</sup> Quarter 2016
- ▶ Submittal to Corps 4<sup>th</sup> Quarter 2016

### ► Prairie du Pont & Fish Lake

- ▶ Pending completion of Bid Packages 2B & 6.
- ▶ Construction Completion 1<sup>st</sup> Quarter 2016
- ▶ Submit to FEMA by 2<sup>nd</sup> Quarter of 2016.

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10



## Authorized Level (500-Year) Design

### Wood River

- Analysis of Council improvements by USACE ongoing and could modify the approved plan
- Drilling started early November – Anticipate completion in January 2016.
- Access agreement in process

### MESD

- Drilling Plan submitted to USACE

### PdP/FL

- Currently being reviewed by the USACE against FEMA improvements (Corps estimated January 2016 completion of review)

Questions?



## Summary of Bond Pricing Results

Board of Directors Meeting  
December 16, 2015 - 7:30 a.m.



### 2015A Bonds (Senior)

\$27,705,000  
Local Government Program Revenue Bonds  
Series 2015A  
(Southwestern Illinois Flood Prevention District Council Project)

<b>Bond Pricing Date</b>	Tues., Dec. 3
<b>Net Proceeds Available For Projects</b>	<b><u>\$25,677,120</u></b>
<b>True Interest Cost</b>	4.00%
<b>Financing Term (Years)</b>	24.37
<b>Weighted Average Maturity (Years)</b>	24.37
<b>Senior Manager</b>	PNC Capital Markets

#### Market Talking Points:

- \$7.6 billion in long-term tax-exempt bond sales on the week
- Illinois experienced a light week in long-term TE bond sales (\$28 million)
  - \$27 million SWIDA Sales Tax Bonds (Aa3/AA)
  - \$0.3 million City of Champaign (NR)
- Muni yields fell for the second week increasing supply
- Council priced in historically low interest rate environment
- Senior Bonds experienced receptive market, aggressive credit spreads
- 10-Year Treasury Bond Rate: 2.33%
- 10-Year Muni Bond Rate: 2.02%

### 2015B Bonds (Subordinate)

\$55,130,000  
Local Government Program Subordinate Revenue Bonds  
Series 2015B  
(Southwestern Illinois Flood Prevention District Council Project)

<b>Bond Pricing Date</b>	Wed., Dec. 9
<b>Net Proceeds Available For Projects</b>	<b><u>\$51,868,103</u></b>
<b>True Interest Cost</b>	3.97%
<b>Financing Term (Years)</b>	24.78
<b>Weighted Average Maturity (Years)</b>	18.27
<b>Senior Manager</b>	RBC Capital Markets

#### Market Talking Points:

- \$8.8 billion in long-term tax-exempt bond sales on the week
- \$475 million in the State of Illinois, including:
  - \$330 MM IL Tollway Toll Revenue Bonds (Aa3/AA-/AA-)
  - \$55 MM SWIDA Sales Tax Bonds (A3/A)
- \$23 MM City of Batavia GO Bonds (Aa1)
- Strong, receptive market, muni yields continued to fall
- Strong demand resulted in the lowering of interest rates
- Subordinate Bonds priced very aggressively to Senior Bonds
- 10-Year Treasury Bond Rate: 2.22%
- 10-Year Muni Bond Rate: 1.97%

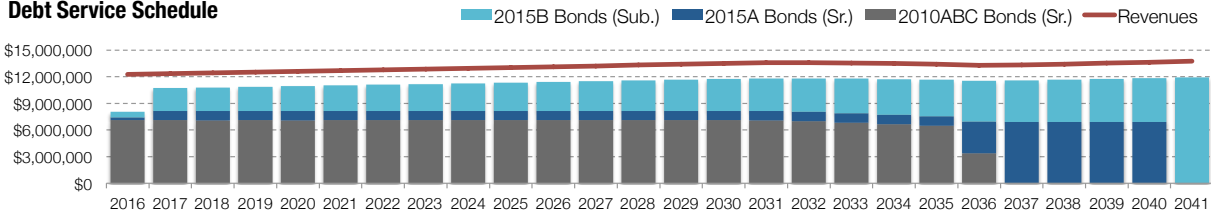
## Estimated vs. Actual Bonding Capacity

	<b>\$ Estimate (August 2014)</b>	<b>\$ Actual (December 2015)</b>	<b>Difference Bond Proceeds</b>
<b>2015A Senior Bond Proceeds</b>	20,500,000	25,677,120	5,177,120
<b>2015B Subordinate Bond Proceeds</b>	54,250,000	51,868,103	(2,381,897)
<b>Total Bonding Proceeds</b>	<b><u>74,750,000</u></b>	<b><u>77,545,223</u></b>	<b><u>2,795,223</u></b>

## Revenues vs. Debt Service

Period End. 4/15	Available Revenues			Senior Lien Coverage				Subordinate Lien Coverage		
	Tax Revenues	Subsidy Revenues	Total Revenues	2010ABC Bonds	2015A Bonds	Total Sr. Bonds	Revenue Coverage	2015B Bonds	Total Sr. & Sub. Bonds	Revenue Coverage
2016	11,403,132	848,250	12,251,383	7,103,089	309,128	7,412,217	1.65	632,215	8,044,432	1.52
2017	11,488,656	848,250	12,336,906	7,103,839	1,059,869	8,163,708	1.51	2,561,313	10,725,020	1.15
2018	11,574,821	848,250	12,423,071	7,100,339	1,059,869	8,160,208	1.52	2,638,413	10,798,620	1.15
2019	11,661,632	848,250	12,509,882	7,102,339	1,059,869	8,162,208	1.53	2,714,363	10,876,570	1.15
2020	11,749,094	848,250	12,597,344	7,100,239	1,059,869	8,160,108	1.54	2,789,863	10,949,970	1.15
2021	11,837,212	848,250	12,685,463	7,102,539	1,059,869	8,162,408	1.55	2,864,713	11,027,120	1.15
2022	11,925,991	848,250	12,774,242	7,103,264	1,059,869	8,163,133	1.56	2,943,013	11,106,145	1.15
2023	12,015,436	848,250	12,863,687	7,101,514	1,059,869	8,161,383	1.58	3,024,163	11,185,545	1.15
2024	12,105,552	848,250	12,953,802	7,101,314	1,059,869	8,161,183	1.59	3,098,763	11,259,945	1.15
2025	12,196,344	848,250	13,044,594	7,104,564	1,059,869	8,164,433	1.60	3,173,863	11,338,295	1.15
2026	12,287,816	848,250	13,136,067	7,102,764	1,059,869	8,162,633	1.61	3,258,013	11,420,645	1.15
2027	12,379,975	848,250	13,228,225	7,101,414	1,059,869	8,161,283	1.62	3,339,888	11,501,170	1.15
2028	12,472,825	848,250	13,321,075	7,101,777	1,059,869	8,161,645	1.63	3,419,463	11,581,108	1.15
2029	12,566,371	848,250	13,414,621	7,103,427	1,059,869	8,163,295	1.64	3,497,163	11,660,458	1.15
2030	12,660,619	848,250	13,508,869	7,100,864	1,059,869	8,160,733	1.66	3,582,413	11,743,145	1.15
2031	12,755,573	848,250	13,603,824	7,093,914	1,059,869	8,153,783	1.67	3,671,350	11,825,133	1.15
2032	12,851,240	735,196	13,586,436	6,982,335	1,059,869	8,042,204	1.69	3,769,944	11,812,148	1.15
2033	12,947,625	609,030	13,556,654	6,842,146	1,059,869	7,902,014	1.72	3,881,725	11,783,739	1.15
2034	13,044,732	445,591	13,490,323	6,667,449	1,059,869	7,727,317	1.75	3,998,975	11,726,292	1.15
2035	13,142,567	275,633	13,418,200	6,482,207	1,059,869	7,542,076	1.78	4,123,200	11,665,276	1.15
2036	13,241,136	49,502	13,290,638	3,383,030	3,564,869	6,947,899	1.91	4,608,200	11,556,099	1.15
2037	13,340,445	-	13,340,445	-	6,919,063	6,919,063	1.93	4,676,800	11,595,863	1.15
2038	13,440,498	-	13,440,498	-	6,920,938	6,920,938	1.94	4,761,500	11,682,438	1.15
2039	13,541,302	-	13,541,302	-	6,921,656	6,921,656	1.96	4,851,500	11,773,156	1.15
2040	13,642,862	-	13,642,862	-	6,918,075	6,918,075	1.97	4,941,300	11,859,375	1.15
2041	13,745,183	-	13,745,183	-	-	-	-	11,949,300	11,949,300	1.15

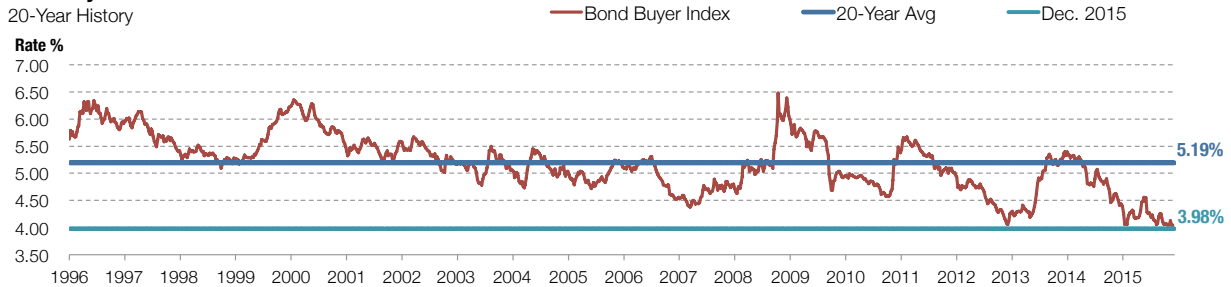
### Debt Service Schedule



## Interest Rate Environment

### Bond Buyer Revenue Bond Index

20-Year History



The Bond Buyer's Revenue Bond Index consists of 25 various revenue bonds that mature in 30 years. The average rating is roughly equivalent to Moody's A1 and S&P's A-plus. The weeks ending December 3rd (pricing of Series 2015A Bonds) and December 10th (pricing of Series 2015B Bonds) recorded values of 3.98% and 3.97%, respectively. These values rank as the index's lowest measurements on record.

## USACE UPDATE

- Mel Price
  - Report (EA Public Notice)
  - Relief Well Construction - 20 wells under contract
  
- NFIP Certification
  - Wood River Upper- substantially complete, awaiting as-builts from AMEC
  - East St. Louis - Interior drainage analysis scope being determined



BUILDING STRONG®

### East St. Louis and Wood River Design Deficiency Projects

- Federal Funds on hand
  - WR- \$2.2M
  - EStL- \$2.1M
- Sponsor Cash Deficit
  - Wood River : \$1,342,232
  - East St. Louis : \$58,247
- Scheduled Activities
  - Construction?
  - Complete initial Designs in Wood River and ESTL
  - Preliminary design for FPD Bid Packages
    - 13 WR borings processed from AMEC drilling to date



BUILDING STRONG®





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Election of President for Remainder of 2015-2016  
Date: January 15, 2016

The appointment of President Jim Pennekamp to the Metro East Sanitary District Board means he will no longer be able to serve on the Council. Therefore, a new President needs to be elected by the Council to serve the remaining eight months of Mr. Pennekamp's term.

Under the Council's bylaws, Board officers (President, Vice-President, and Secretary-Treasurer) serve one year terms, must each be from a different County Flood Prevention District. The positions have been rotated on an annual basis among the three county flood prevention districts.

It is anticipated that Madison County will fill Mr. Pennekamp's position on the Madison County Flood Prevention District prior to the Council's February meeting.

The election to fill the office of the President will take place at the being of the meeting following the approval of the minutes and public comments on the pending agenda items.







Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for January 2016  
Date: January 15, 2016

Approximately 64% of the \$74.1 million of construction, involved in all nine current construction bid packages, has been completed thru December. The \$74.1 million amount now includes all of the increases due to replacing the High Density Polyethylene Pipe (HDPE) with Reinforced Concrete Pipe (RCP) on the various bid packages. The amount of work completed during the month was just over \$1.2 million. The total amount of construction completed is now \$45.8 million.

The sale of the Council's 2015 Series AB bonds has been completed and the Council now has additional funding of \$77.5 million that can be utilized for the Authorized Level of protection.

With the change orders for the installation of the Reinforced Concrete Pipe (RCP) on Bid Packages 2B, 4, & 5 approved and executed, and the bond issue sale completed, I will be coming back to the Board in February or March with a revised budget for fiscal year 2016.

I have attached my letter responding to Tracey Kelsey's December 9<sup>th</sup> letter (provided at the last Board meeting) regarding insufficient federal funds. I indicated in the letter that responses to questions raised would need to be provided prior any recommendations to the Council regarding funding to the Corps.

The Corps has responded with some answers to our questions, two requests for funding and the process for requesting Work In-Kind credit. The IDRs are scheduled for approval in late February and it appears that Work In-Kind credit can be requested for projects that are still under construction. Funding requests, cash balances, and where funds could be spent are being reviewed.

A meeting has been scheduled for the first week of February. Amec Foster Wheeler and I look forward to discussing how the limited available federal funds could utilized in the best interest of the Council.

We continue to work with the Corps regarding the East St. Louis request for National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER). Last month, when the Corps indicated that it would evaluate the East St. Louis system it used the term “thorough Risk Assessment” which led to some concern regarding costs and time. We are currently working with the Corps to help us better understand their evolving approaches to risk assessments and determination on levee performance, allowing us the fastest means to certification and achieving accreditation.

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





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

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## **Monthly Project Progress Report January 2016**

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AMEC FOSTER WHEELER Project No. 563170001  
Period Ending Date: January 8, 2016

*Date of Issue: January 14, 2016*

# Table of Contents

<b>1. OVERVIEW .....</b>	<b>4</b>
1.1 PROJECT DESCRIPTION .....	4
1.2 AMEC FOSTER WHEELER SCOPE .....	4
1.3 KEY CONTACTS / PEOPLE .....	4
<b>2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE) .....</b>	<b>5</b>
2.1 HSSE REPORTS .....	5
<b>3. PROJECT STATUS UPDATE .....</b>	<b>6</b>
3.1 BID PACKAGE 2A .....	6
3.1.1 Calendar .....	6
3.1.2 Progress .....	6
3.1.3 Property Acquisition.....	6
3.1.4 Levee Board Considerations- None .....	6
3.1.5 Submittals - Complete .....	6
3.1.6 Change Orders - See Change Order Log attached.....	6
3.1.7 Field Activities and Look Ahead - None .....	6
3.1.8 QC/QA Activities - None .....	6
3.1.9 Considerations - None .....	6
3.1.10 Payment Progress – See Contractor Invoice Log attached.....	6
3.2 BID PACKAGE 2B .....	7
3.2.1 Calendar .....	7
3.2.2 Progress .....	7
3.2.3 Property Acquisition – All property is acquired.....	7
3.2.4 Levee Board Considerations – None .....	7
3.2.5 Submittals - Final project closeout submittals being reviewed by Amec.....	7
3.2.6 Change Orders – See Change Order Log attached.....	7
3.2.7 Field Activities and Look Ahead – See above Progress .....	7
3.2.8 QC/QA Activities – None at this time.....	7
3.2.9 Considerations - None .....	7
3.2.10 Payment Progress - See Contract Invoice Log attached.....	7
3.3 BID PACKAGE 2C .....	8
3.3.1 Calendar .....	8
3.3.2 Progress .....	8
3.3.3 Property Acquisition.....	8
3.3.4 Levee Board Considerations .....	8
3.3.5 Submittals – closeout submittals pending. ....	8
3.3.6 Change Orders – see attached log. ....	8
3.3.7 Field Activities and Look Ahead See above progress schedule. ....	8
3.3.8 QC/QA Activities – SCI on-site to test material as required. ....	8
3.3.9 Considerations – See above .....	8
3.3.10 Payment Progress – See attached log.....	8
3.4 BID PACKAGE 3.....	9
3.4.1 Calendar .....	9
3.4.2 Progress .....	9
3.4.3 Property Acquisition.....	9
3.4.4 Levee Board Considerations – none other than previously mentioned.....	10
3.4.5 Submittals – as required. ....	10
3.4.6 Change Orders – See Change Order Log attached.....	10
3.4.7 Field Activities and Look Ahead – as noted above.....	10
3.4.8 QC/QA Activities – testing as required. ....	10
3.4.9 Considerations – none other than previously mentioned. ....	10
3.4.10 Payment Progress – See attached Contract invoice log.....	10
3.5 BID PACKAGE 4.....	11
3.5.1 Calendar .....	11
3.5.2 Progress .....	11
3.5.3 Property Acquisition – All property acquired. ....	11

3.5.4	Levee Board Considerations - None .....	11
3.5.5	Submittals – on-going .....	11
3.5.6	Change Orders – See Change Order Log attached .....	11
3.5.7	Field Activities and Look Ahead – See above .....	11
3.5.8	QC/QA Activities – as noted above .....	11
3.5.9	Considerations - None .....	11
3.5.10	Payment Progress – See Contract Invoice Log attached. ....	11
3.6	BID PACKAGE 5.....	12
3.6.1	Calendar .....	12
3.6.2	Progress .....	12
3.6.3	Property Acquisition.....	12
3.6.4	Levee Board Considerations .....	12
3.6.5	Submittals .....	12
3.6.6	Change Orders .....	12
3.6.7	Field Activities and Look Ahead .....	12
3.6.8	QC/QA Activities .....	12
3.6.9	Considerations.....	12
3.6.10	Payment Progress.....	12
3.7	BID PACKAGE 6.....	13
3.7.1	Calendar .....	13
3.7.2	Progress .....	13
3.7.3	Property Acquisition – all property is acquired. Various TCE will be extended.....	13
3.7.4	Levee Board Considerations - none.....	13
3.7.5	Submittals – on going .....	13
3.7.6	Change Orders - See Change Order Log attached.....	13
3.7.7	Field Activities and Look Ahead – See above .....	13
3.7.8	QC/QA Activities - As required .....	13
3.7.9	Considerations - None .....	13
3.7.10	Payment Progress – See Contract Invoice Log attached. ....	13
3.8	BID PACKAGE 7A .....	14
3.8.1	Calendar .....	14
3.8.2	Progress .....	14
3.8.3	Property Acquisition.....	14
3.8.4	Levee Board Considerations .....	14
3.8.5	Submittals .....	14
3.8.6	Change Orders .....	14
3.8.7	Field Activities and Look Ahead .....	14
3.8.8	QC/QA Activities .....	14
3.8.9	Considerations.....	14
3.8.10	Payment Progress.....	14
3.9	BID PACKAGE 7B .....	15
3.9.1	Calendar .....	15
3.9.2	Progress .....	15
3.9.3	Property Acquisition – not applicable .....	15
3.9.4	Levee Board Considerations - None .....	15
3.9.5	Submittals – On-going. ....	15
3.9.6	Change Orders .....	15
3.9.7	Field Activities and Look Ahead .....	15
3.9.8	QC/QA Activities .....	15
3.9.9	Considerations.....	15
3.9.10	Payment Progress.....	15

## 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 Foster Wheeler has been selected by the SIFPDC to design and manage the construction of levee system improvements necessary to demonstrate compliance with FEMA Requirement 44CFR 65.10.

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

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

**Bid Package 2C** is composed of the installation of two force mains and associated structures from Site 12 pump station to levee discharge.

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

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

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

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

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

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

### 1.2 Amec Foster Wheeler 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.williams@amecfw.com">kevin.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 continues to conduct weekly toolbox safety talks.		
Amec Foster Wheeler continues to conduct monthly safety meeting with all Contractors.		
<b>Security</b>		
No issues during this reporting period.		
<b>Environment (SWPPP)</b>		
An Amec Foster Wheeler environmental representative is inspecting the SWPPP efforts on a weekly basis.		
<b>River Stage Restrictions</b>		
The USACE 408 permit dictates that excavations shall cease when the Mississippi River Stage is:		
<b>Bid Package</b>	<b>River Stage</b>	<b>River Elevation</b>
2A	17.0	396.94
2B	27.06	407.00
2C	15.03	394.97 (Mel Price)
3	16.0	411.48 (Mel Price)
4	25.0	404.94
5	25.0	404.94
6	25.0	404.94
7A	21.52	417.0 (Mel Price)
7B	21.52	417.0 (Mel Price)
The 408 permit Mississippi River restrictions have ceased and critically delayed excavation, well drilling, etcetera from May 27, 2015 to the first week of August.		

### 3. PROJECT STATUS UPDATE

#### 3.1 Bid Package 2A

##### 3.1.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 11, 2013
Schedule received	October 29, 2013
Anticipated start of field activities	January 22, 2014
Start of field activities	January 27, 2014
Anticipated completion date	<i>December 1, 2014</i>
Final Walk Through	Substantial completion August 12, 2014
Final Acceptance	<i>December 1, 2014</i>

##### 3.1.2 Progress

- The construction portion of this project is complete and the retainage has been released.
- Amec Foster Wheeler is preparing closeout documents for USACE.

##### 3.1.3 Property Acquisition

- The construction portion of the project is complete.

##### 3.1.4 Levee Board Considerations- None

##### 3.1.5 Submittals - Complete

##### 3.1.6 Change Orders - See Change Order Log attached.

##### 3.1.7 Field Activities and Look Ahead - None

##### 3.1.8 QC/QA Activities - None

##### 3.1.9 Considerations - None

##### 3.1.10 Payment Progress – See Contractor 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>September 30, 2016 - Contract Completion Date with changes</i>
Final Walk Through	
Final Acceptance	

#### 3.2.2 Progress

- The planned construction portion of this project is complete.
- The Contractor has been given the NTP on December 30, 2015 for the change orders for the piping into the pump stations and the bank erosion.

3.2.3 Property Acquisition – All property is acquired.

3.2.4 Levee Board Considerations – None

3.2.5 Submittals - Final project closeout submittals being reviewed by Amec

3.2.6 Change Orders – See Change Order Log attached.

3.2.7 Field Activities and Look Ahead – See above Progress

3.2.8 QC/QA Activities – None at this time.

3.2.9 Considerations - None

3.2.10 Payment Progress - See Contract Invoice Log attached

### 3.3 Bid Package 2C

#### 3.3.1 Calendar

Bid Date:	November 12, 2014
Contract executed	February 9, 2015
Schedule received	Posted in SharePoint
Anticipated start of field activities	October 15, 2015
Start of field activities	October 15, 2015
Anticipated completion date	<i>January 14, 2016</i>
Final Walk Through	<i>January 14, 2016</i>
Final Acceptance	To Be Determined at walk through

#### 3.3.2 Progress

- The contract was executed on February 9, 2015.
- The Notice-to-Proceed was issued on March 5, 2015
- Site work demolition began October 15, 2015.
- All contract work is complete and a final walk through is schedule for January 14<sup>th</sup>.

#### 3.3.3 Property Acquisition

- All property is acquired.

#### 3.3.4 Levee Board Considerations

- None

3.3.5 Submittals – closeout submittals pending.

3.3.6 Change Orders – see attached log.

3.3.7 Field Activities and Look Ahead See above progress schedule.

3.3.8 QC/QA Activities – SCI on-site to test material as required.

3.3.9 Considerations – See above

3.3.10 Payment Progress – See attached log.



### 3.4 Bid Package 3

#### 3.4.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	As noted below.
Start of field activities	Varied
Anticipated completion date	<i>Upper Wood River is substantially complete.</i>  <i>The final completion date for Lower Wood River is delayed due to design modifications, river, weather and land acquisition. Keller estimates the present known scope of work to be completed in September 30, 2016 – <b>weather and river dependent</b>. In addition, there are some pending change orders that will extend this anticipated end date. The December 2015 Flooding has delayed work on this bid package.</i>
Final Walk Through	
Final Acceptance	

#### 3.4.2 Progress

Upper Wood River:

- Blanket Drain 2 – Substantially complete on September 18, 2015.
- Blanket Drain 3 construction and Weir 1 - Substantial Completion on May 13, 2015.
- Blanket Drain 1 - Substantially complete on October 15, 2015.
- Russell Commons trash/debris hauling is complete and substantially complete on October 15, 2015.

Lower Wood River:

- Random Fill Area 2 fill was started but was stopped, due to the inability to obtain the specified moisture content.
- Blanket Drain 5 & 7 and weir 4 was Substantial Completion on July 31, 2015.
- Design revisions to Blanket Drain 4 are pending. Construction cost impacts will be submitted when available
- Lower Wood River relief well are complete and the Contractor has ordered material.
- Blanket Drain 6 complete except seeding.
- Random Fill Area 1 is pending an Amec Foster Wheeler design revision.
- The December 2015 flooding event has delayed work on this bid package.

#### 3.4.3 Property Acquisition

- A partial NTP was issued March 13, 2014 and rejected by the Contractor. All land acquisition has been obtained except for the MOPAC / UP railroad parcels which encompass 6 sites. Due to recent land acquisition, an additional partial NTP was issued January 14, 2015.
- Due to the railroad land acquisition, a partial NTP was given on June 9, 2015 for the UP portion of the project.
- Various Temporary Construction Easements are being obtained.

- 3.4.4 Levee Board Considerations – none other than previously mentioned.
- 3.4.5 Submittals – as required.
- 3.4.6 Change Orders – See Change Order Log attached.
- 3.4.7 Field Activities and Look Ahead – as noted above.
- 3.4.8 QC/QA Activities – testing as required.
- 3.4.9 Considerations – none other than previously mentioned.
- 3.4.10 Payment Progress – See attached Contract invoice log

### 3.5 Bid Package 4

#### 3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	<i>September 30, 2016 - Contract Completion Date but does not include the pipeline through the levee work which is still under review.</i>
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

- Clay cap earthwork was started on August 17, 2015 and is about 80% complete. Clay cap work was put on hold until the pipeline issues are resolved.
- Site 09 pump station is complete except fencing around the station.
- RW collector system – Amec Foster Wheeler working with contractors.
- Piezometer installation has begun but put on hold due to the December 2015 flood event.
- Amec Foster Wheeler working with contractor and USACE on the HDPE to concrete pipe replacement.
- The NTP for the HDPE to concrete pipe to be issued to contractor.

3.5.3 Property Acquisition – All property acquired.

3.5.4 Levee Board Considerations - None

3.5.5 Submittals – on-going

3.5.6 Change Orders – See Change Order Log attached.

3.5.7 Field Activities and Look Ahead – See above

3.5.8 QC/QA Activities – as noted above

3.5.9 Considerations - None

3.5.10 Payment Progress – See Contract Invoice Log attached.

### 3.6 Bid Package 5

#### 3.6.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 17, 2014
Anticipated completion date	<i>September 30, 2015 (Contract Completion Date) but, the anticipated completion date due to the proposed piping changes is <b>September 30, 2016</b>.</i>  <i>Completion date dependent on the protruding clay cap value engineering direction and weather. Amec Foster Wheeler is reviewing. The schedule to be revised accordingly.</i>
Final Walk Through	
Final Acceptance	

#### 3.6.2 Progress

- The project is on hold except for the sluice gate rehabilitation and 408 pump station work.
- The 208,000 cubic yards of clay placement is on-hold as Amec Foster Wheeler evaluates a potential protruding clay cap value engineering proposal.
- The Sluice Gate rehabilitation at MoPac is awaiting stem delivery.
- The NTP for the HDPE to concrete pipe was given on December 30, 2015.

#### 3.6.3 Property Acquisition

- All property is acquired, but the clay cap revision will require additional permanent easements.
- Various TCE will be extended.

#### 3.6.4 Levee Board Considerations

- None.

#### 3.6.5 Submittals

- Submittal process underway.

#### 3.6.6 Change Orders

- See Change Order Log attached.

#### 3.6.7 Field Activities and Look Ahead

- See above table

#### 3.6.8 QC/QA Activities

- Project on-hold

#### 3.6.9 Considerations

- None other than previously mentioned.

#### 3.6.10 Payment Progress

- See Contract Invoice Log attached.

### 3.7 Bid Package 6

#### 3.7.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 3, 2013
Schedule received	October 31, 2013
Anticipated start of field activities	November 11, 2013
Start of field activities	November 19, 2013
Anticipated completion date	<i>September 30, 2015 (Contract Completion Date)</i> <i>Due to weather, the Contractor anticipates the completion date to extend into 2016. Completion date is weather dependent.</i>
Final Walk Through	
Final Acceptance	

#### 3.7.2 Progress

- Seepage Berms are about 95% complete – work continues as weather allows.
- Clay Caps installation complete.
- Relief Wells and Piezometers - Relief well drilling complete (67).
- 15 of 16 PZs are complete.
- Relief well collector system is 99% complete.
- The December 2015 flooding event delayed this project.

3.7.3 Property Acquisition – all property is acquired. Various TCE will be extended.

3.7.4 Levee Board Considerations - none

3.7.5 Submittals – on going

3.7.6 Change Orders - See Change Order Log attached.

3.7.7 Field Activities and Look Ahead – See above

3.7.8 QC/QA Activities - As required

3.7.9 Considerations - None

3.7.10 Payment Progress – See Contract Invoice Log attached.

### 3.8 Bid Package 7A

#### 3.8.1 Calendar

Bid Date:	August 13, 2014
Contract executed	September 17, 2014
Schedule received	October 1, 2014
Anticipated start of field activities	October 6, 2014
Start of field activities	October 6, 2014
Anticipated completion date	<i>June 26, 2015 (contract completion date). <b>The project is complete.</b></i>
Final Walk Through	
Final Acceptance	

#### 3.8.2 Progress

- This project is complete.
- Amec Foster Wheeler preparing closeout documentation.

#### 3.8.3 Property Acquisition

- Not applicable.

#### 3.8.4 Levee Board Considerations

- None.

#### 3.8.5 Submittals

- On-going.

#### 3.8.6 Change Orders

- See change order log attached.

#### 3.8.7 Field Activities and Look Ahead

- Notice of Award issued September 9, 2014
- Contract Executed September 17, 2014
- Notice to Proceed issued September 22, 2014
- Work began onsite on October 6, 2014 – Site clearing, removal of asphalt pavement, etc.
- Complete work platform and lower portion of clay cap below finished grade.
- SAR Team site visit for initial wall construction, addressed comments in their report.
- Initial quality Control testing results exceeding minimum permeability requirements by two orders of magnitude.
- Geo-Solutions finished the Slurry Wall construction.
- This project is complete.

#### 3.8.8 QC/QA Activities

- None.

#### 3.8.9 Considerations

- None.

#### 3.8.10 Payment Progress

- See Contract Invoice Log attached.

### 3.9 Bid Package 7B

#### 3.9.1 Calendar

Bid Date:	August 13, 2014
Contract executed	September 12, 2014
Schedule received	June 19, 2015
Anticipated start of field activities	August 2015
Start of field activities	
Anticipated completion date	<i>Substantial Completion of January 21, 2016 with a final completion of May 1, 2016. <b>Due to a delayed start, the substantial completion date will be revised.</b></i>
Final Walk Through	
Final Acceptance	

#### 3.9.2 Progress

- TREVIICOS received Notice-to-Proceed June 9, 2015
- Pre-Construction Meeting held June 15, 2015
- Treviicos mobilizing July 2015 and continuing into August.
- Work Progress:
  - The December 2015 flooding event delayed this project. Panel production to resume on January 18, 2016.

3.9.3 Property Acquisition – not applicable

3.9.4 Levee Board Considerations - None

3.9.5 Submittals – On-going.

3.9.6 Change Orders

- See change order log attached.

3.9.7 Field Activities and Look Ahead

- See list above.

3.9.8 QC/QA Activities

- Geotechnology as required.

3.9.9 Considerations

- None.

3.9.10 Payment Progress

- See Contract Invoice Log attached.

**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 (\$)
<u>1</u>	11/15/2013	11/27/2013	\$11,000.00	\$1,100.00	\$9,900.00	\$9,900.00	11/1/2013	\$737,600.00
<u>2</u>	2/5/2014	2/10/2014	\$76,000.00	\$7,600.00	\$68,400.00	\$58,500.00	2/18/2014	\$679,100.00
<u>3</u>	3/6/2014	3/13/2014	\$228,500.00	\$22,850.00	\$205,650.00	\$137,250.00	3/25/2014	\$541,850.00
<u>4</u>	3/31/2014	4/15/2014	\$372,400.00	\$37,240.00	\$335,160.00	\$129,510.00	4/22/2014	\$420,504.00
<u>5</u>	4/30/2014	5/13/2014	\$432,500.00	\$43,250.00	\$389,250.00	\$54,090.00	5/22/2014	\$366,414.00
<u>6</u>	5/31/2014	6/10/2014	\$635,890.00	\$50,742.00	\$585,148.00	\$195,898.00	6/19/2014	\$170,516.00
<u>7</u>	6/30/2014	7/14/2014	\$684,000.00	\$53,147.00	\$630,853.00	\$45,705.00	7/17/2014	\$124,811.00
<u>8</u>	7/31/2014	8/12/2014	\$753,929.00	\$37,895.45	\$716,033.55	\$85,180.55	8/19/2014	\$39,630.45
<u>9</u>	8/31/2014	9/9/2014	\$759,118.21	\$37,895.45	\$721,222.76	\$5,189.21	9/15/2014	\$41,875.45
<u>10</u>	11/30/2014	12/12/2014	\$797,599.53	\$38,094.45	\$759,505.08	\$38,282.32	12/18/2014	\$38,094.45
<u>11</u>	12/31/2014	1/15/2015	\$797,599.53	\$1,800.00	\$795,799.53	\$36,294.45	1/26/2015	\$1,800.00
<u>12</u>	3/31/2015	4/10/2015	\$797,599.53	\$0.00	\$797,599.53	\$1,800.00	4/16/2015	\$0.00





**CONTRACT INVOICE LOG**

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

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

**Original Contract Amount:** \$3,865,405.00  
**Change Order #1:** \$434.00 Monroe County Building Permit  
**Change Order #2:** \$7,965.00 Additional Road Aggregate  
**Change Order #3:** \$0.00 Fence and Aggregate Changes  
**Change Order #4:** \$8,570.00 Razor Wire on Fence per MESD Request  
**Change Order #5:** \$0.00 Contract Time Extension  
**Change Order #6:** \$50,600.00 Site 16 Duct Bank  
**Change Order #7:** \$4,760.00 Site 12 Existing Force Mains  
**Change Order #8:** \$74,200.00 Site 10 Electrical Changes  
**Change Order #9:** \$0.00 Time Extension  
**Change Order #10:** \$10,276.92 Site 12 Guard Rail  
**Change Order #11:** \$1,314,600.00 Pipe Material Change & Erosion Control  
**Total Change Order Amount:** \$1,471,405.92  
**Total Revised Contract Amount:** \$5,336,810.92

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed and Store to Date	Cumulative Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage(\$)
1	2/5/2014	2/10/2014	\$51,750.00	\$5,175.00	\$46,575.00	\$46,575.00	<a href="#">2/18/2014</a>	\$3,818,830.00
2	3/6/2014	3/13/2014	\$132,450.00	\$13,245.00	\$119,205.00	\$72,630.00	<a href="#">3/25/2014</a>	\$3,746,634.00
3	3/31/2014	4/15/2014	\$504,300.00	\$50,430.00	\$453,870.00	\$334,665.00	<a href="#">4/22/2014</a>	\$3,419,934.00
4	4/30/2014	5/13/2014	\$846,000.00	\$84,600.00	\$761,400.00	\$307,530.00	<a href="#">5/22/2014</a>	\$3,112,404.00
5	5/31/2014	6/12/2014	\$1,295,000.00	\$129,500.00	\$1,165,500.00	\$404,100.00	<a href="#">6/19/2014</a>	\$2,708,304.00
6	6/30/2014	7/14/2014	\$1,736,000.00	\$173,600.00	\$1,562,400.00	\$396,900.00	<a href="#">7/17/2014</a>	\$2,311,404.00
7	7/31/2014	8/11/2014	\$2,180,100.00	\$205,850.00	\$1,974,250.00	\$411,850.00	<a href="#">8/19/2014</a>	\$1,899,554.00
8	8/31/2014	9/8/2014	\$2,927,440.00	\$243,217.00	\$2,684,223.00	\$709,973.00	<a href="#">9/15/2014</a>	\$1,198,151.00
9	9/30/2014	10/9/2014	\$3,144,000.00	\$255,524.00	\$2,888,476.00	\$204,253.00	<a href="#">10/16/2014</a>	\$1,044,498.00
10	10/31/2014	11/7/2014	\$3,420,000.00	\$269,324.00	\$3,150,676.00	\$262,200.00	<a href="#">11/18/2014</a>	\$787,058.00
11	11/30/2014	12/12/2014	\$3,648,600.00	\$282,764.00	\$3,365,836.00	\$215,160.00	<a href="#">12/18/2014</a>	\$646,098.00
12	12/31/2014	1/12/2015	\$3,840,000.00	\$292,334.00	\$3,547,666.00	\$181,830.00	<a href="#">1/26/2015</a>	\$464,268.00
13	1/31/2015	2/9/2015	\$3,897,320.00	\$295,200.00	\$3,602,120.00	\$54,454.00	<a href="#">2/18/2015</a>	\$409,814.00
14	2/28/2015	3/10/2015	\$3,968,238.00	\$298,710.00	\$3,669,528.00	\$67,408.00	<a href="#">3/19/2015</a>	\$342,406.00
15	3/31/2015	4/10/2015	\$4,011,934.00	\$200,596.00	\$3,811,338.00	\$141,810.00	<a href="#">4/16/2015</a>	\$200,596.00
16	4/30/2015	5/12/2015	\$4,011,934.00	\$10,000.00	\$4,001,934.00	\$190,596.00	<a href="#">5/18/2015</a>	\$20,276.92
17	7/31/2015	8/11/2015	\$4,022,210.92	\$10,000.00	\$4,012,210.92	\$10,276.92	<a href="#">8/20/2015</a>	\$1,324,600.00

**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 12 Guard Rail	Field	\$10,276.92	\$0.00	NA	NA	NA	0.27%	4/17/2015	Approved	Install approximately 74 LF of FRP handrails per the attached drawings for OSHA compliance
11*	Pipe Material Change - Sites 5, 10, 12, 16; Erosion Control Sites 9, 10, 16	Other	\$1,314,600.00	\$0.00	NA	NA	NA	34.01%	12/3/2015	Approved	Pump station sites 5, 10, 12, 16 pipe replacement to meet the Authorized Level flood event design
<b>Total of Project Change Orders</b>			<b>\$1,462,835.92</b>	<b>\$8,570.00</b>						<b>Total</b>	<b>\$ 1,471,405.92</b>
<b>Original Contract Amount</b>			<b>\$3,865,405.00</b>								
<b>Revised Contract Amount</b>			<b>5,336,810.92</b>								
				<b>% Change from Original Amount</b>							
				<b>38.07%</b>							

Approved

\*Board approval required

**CONTRACT INVOICE LOG**

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

**Project:** SWILCD  
**Construction Package:** BP2C

**Original Contract Amount:** \$281,632.00  
**Change Order #1:**  
**Change Order #2:**  
**Change Order #3:**  
**Total Change Order Amount:** \$0.00  
**Total Revised Contract Amount:** \$281,632.00

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 Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	11/13/2015	11/13/2015	\$184,618.00	\$18,461.80	\$166,156.20	\$166,156.20	<a href="#">11/16/2015</a>	\$115,475.80
2	1/8/2016	1/11/2016	\$281,632.00	\$14,081.60	\$267,550.40	\$101,394.20		\$14,081.60

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER: SIFPDC-BP2C**

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											
7											
8											
9											
10											
<b>Total of Project Change Orders</b>			<b>\$0.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ -</b>
<b>Original Contract Amount</b>			<b>281,632.00</b>	<b>% Change from Original Amount</b>							
<b>\$281,632.00</b>			<b>281,632.00</b>	<b>0.00%</b>							

Approved

\*Board approval required

**CONTRACT INVOICE LOG**

**Contractor:** Keller Construction, Inc.  
22 Illini Drive  
Glen Carbon, IL 62034

**Project:** SWILCD  
**Construction Package:** BP03

**Original Contract Amount:** \$ 10,082,345.00  
**Change Order 1:** \$ 1,000.00 IDOT Permit  
**Change Order 2:** \$ 16,600.00 PZ 39 Relocate  
**Change Order 3:** \$ 11,361.00 Russell Commons Fence R&R  
**Change Order 4:** \$ 2,245.60 Hydro Excavating  
**Change Order 5:** \$ 3,071.25 Additional RW Permits  
**Change Order 6:** \$ 278,694.99 RR3 for Blanket Drains  
**Change Order 7:** \$ 57,436.00 Indian Creek Extra Rip Rap  
**Change Order 8:** \$ (5,820.00) Credit to Remove Vacuum Testing of Manholes  
**Change Order 9:** \$ 558,086.80 Hawthorne Changes North & South including Ameren  
**Change Order 10:** \$ 477,917.72 Balnket Drain 2 Revisions  
**Change Order 11:** \$ (59.97) Credit for Blanket Drain 1 Revisions  
**Change Order 12:** \$ 60,362.00 Toe Wall and Handrails Wiers 2, 3, and 4  
**Change Order 13:** \$ 6,825.00 Additional Pollution Coverage UPRR  
**Change Order 14:** \$ 28,950.00 Pilot Hole Drilling  
**Change Order 15:** \$ (9,729.58) Hawthorne Pipe Changes  
**Change Order 16:** \$ 132,710.00 Russell Commons Buried Waste Part A & B  
**Change Order 17:** \$ 257,694.47 Relief Well Construction Obstructions  
**Change Order 18:** \$ 17,403.75 Tree Mititgation  
**Change Order 19:** \$ 15,620.78 Relief Well 1016 1064 1065 Modifications  
**Change Order 20:** \$ 111,256.88 Relief Well Construction Obstructions  
**Change Order 21:** \$ 108,620.79 Relief Well Construction Obstructions  
**Change Order 22:** \$ 40,618.82 Russell Commons Buried Waste Part A Deduct & Part C  
**Change Order 23:** \$ (35,779.00) Credit for Delete PZs\_Add Bollards  
**Total Change Order Amount:** \$2,135,087.30  
**Total Revised Contract Amount:** \$12,217,432.30

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	2/28/2014	4/15/2014	\$249,000.00	\$24,900.00	\$224,100.00	\$224,100.00	4/22/2014	\$9,858,245.00
2	5/31/2014	6/4/2014	\$250,000.00	\$25,000.00	\$225,000.00	\$900.00	6/19/2014	\$9,858,345.00
3	8/31/2014	9/8/2014	\$376,066.83	\$37,606.68	\$338,460.15	\$113,460.15	9/15/2014	\$9,744,884.85
4	9/30/2014	10/3/2014	\$467,927.21	\$46,792.72	\$421,134.49	\$82,674.34	10/16/2014	\$9,678,810.51
5	10/31/2014	11/11/2014	\$710,218.88	\$71,021.89	\$639,196.99	\$218,062.50	11/18/2014	\$9,477,425.86
6	11/30/2014	12/11/2014	\$1,014,409.54	\$101,440.97	\$912,968.57	\$273,771.58	12/18/2014	\$9,539,785.27
7	12/31/2014	1/15/2015	\$1,365,095.95	\$136,509.61	\$1,228,586.34	\$315,617.77	1/26/2015	\$9,224,167.50
8	1/31/2015	2/6/2015	\$1,684,373.38	\$168,437.36	\$1,515,936.02	\$287,349.68	2/18/2015	\$8,930,997.82
9	2/28/2015	3/6/2015	\$2,291,243.38	\$229,124.37	\$2,062,119.01	\$546,182.99	3/19/2015	\$8,384,814.83
10	3/31/2015	4/10/2015	\$2,960,453.69	\$296,045.42	\$2,664,408.27	\$602,289.26	4/16/2015	\$8,340,612.37
11	4/30/2015	5/10/2015	\$3,387,089.05	\$338,708.97	\$3,048,380.08	\$383,971.81	5/18/2015	\$8,494,860.31
12	5/31/2015	6/11/2015	\$4,044,518.10	\$404,451.87	\$3,640,066.23	\$591,686.15	6/16/2015	\$7,903,174.16
13	6/30/2015	7/9/2015	\$4,748,651.45	\$474,865.21	\$4,273,786.24	\$633,720.01	7/14/2015	\$7,269,454.15
14	7/31/2015	8/11/2015	\$4,975,167.70	\$497,516.83	\$4,477,650.87	\$203,864.63	8/20/2015	\$7,065,589.52
15	8/31/2015	9/11/2015	\$5,669,386.46	\$566,938.72	\$5,102,447.74	\$624,796.87	9/16/2015	\$6,476,567.65
16	9/30/2015	10/9/2015	\$6,896,917.07	\$689,691.78	\$6,207,225.29	\$1,104,777.55	10/21/2015	\$5,752,464.99
17	10/16/2015	10/28/2015	\$7,386,596.95	\$738,659.77	\$6,647,937.18	\$440,711.89	11/3/2015	\$5,456,034.51
18	10/31/2015	11/13/2015	\$8,269,013.54	\$413,450.71	\$7,855,562.83	\$1,207,625.65	11/17/2015	\$4,357,029.65
19	11/15/2015	12/4/2015	\$8,346,301.68	\$417,315.12	\$7,928,986.56	\$73,423.73	12/10/2015	\$4,324,224.74
20	11/30/2015	12/28/2015	\$8,778,734.65	\$489,987.55	\$8,288,747.10	\$359,760.54	12/31/2016	\$3,928,685.20
21	12/31/2015	1/11/2016	\$8,888,544.52	\$498,712.65	\$8,389,831.87	\$101,084.77		\$3,827,600.43

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	IDOT Permit	Other	\$1,000.00	\$0.00	3.01	\$ 498,000.00	0.20%	0.01%	5/21/2014	Approved	IDOT Required Permit
2	Piezometer 39 Relocate	Field	\$16,600.00	\$0.00	3.30	\$ 307,224.00	5.40%	0.16%	9/18/2014	Approved	Post bid design change to enable more effective operability
3	Russell Commons Fence Remove and Replace	Field	\$11,361.00	\$0.00	NA	NA	NA	0.11%	10/2/2014	Approved	Remove and replace fence installed by property owner post bid
4	Additional Hydro Excavating	Field	\$2,245.60	\$0.00	3.39	\$1,884,009.24	0.12%	0.02%	10/8/2014	Approved	Due to the relocation of RW's 1077 to 1080; added costs for hydro excavation
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$3,071.25	\$0.00	3.37	\$ 82,812.00	3.71%	0.03%	10/22/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept
6*	RR3 Material for Blanket Drains-pending verifying material	Field	\$278,694.99	\$0.00	3.08-3.14	\$2,034,478.00	13.70%	2.76%	11/19/2014	Approved	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval
7*	Indian Creek Rip Rap	Field	\$57,436.00	\$0.00	3.40	\$ 193,713.36	29.65%	0.57%	11/19/2014	Approved	Due to the extreme scour of the banks and creek bed since the time of the original design, in order for the per plan design to be constructed, it is going to require a substantial amount of additional rip rap RR4 to be placed. Board approval required
8	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,820.00)	\$0.00	3.29	\$ 37,896.00	-15.36%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
9*	Hawthorne Changes North & South including Ameren	Other	\$558,066.80	\$0.00	3.02 3.04 3.06 3.07 3.29 3.32 3.02 3.09 3.16 3.23 3.25 3.26 3.29 3.36 3.37	\$1,884,009.24	29.62%	5.54%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
10*	Blanket Drain 2 Revisions & RW 1077 to 1080 Changes	Other	\$477,917.72	\$0.00				4.74%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15; change order pending credit before processing
11	Blanket Drain 1 Revisions	Other	\$ (59.97)	\$0.00	3.08	\$ 15,160.00	-0.40%	0.00%	2/26/2015	Approved	Revised limits of Blanket Drain 1 and change surface aggregate material
12*	Toe Wall and Handrails Wiers 2, 3, and 4	Field	\$ 60,362.00	\$0.00	3.48 3.49 3.50	\$ 381,000.00	15.84%	0.60%	4/15/2015	Approved	Toe wall for additional structural support due to the field conditions and soil types the weirs are being installed in. The toe walls were added to mitigate this potential failure. Handrails were added to the weirs as a result of OSHA regulations and for added maintenance personnel safety during inspections and flood events.
13*	Additional Pollution Coverage UPRR	Other	\$ 6,825.00	\$0.00	3.01	\$ 498,000.00	1.37%	0.07%	8/19/2015	Approved	Additional Pollution Coverage required by Union Pacific Railroad

**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	
14*	Pilot Hole Drilling	Other	\$ 28,950.00	\$0.00	3.32	\$ 147,604.20	19.61%	0.29%	8/19/2015	Approved	Actual field conditions may vary and it is recommended by the project geotechnical lead to add to this number for potential field variations. Therefore the anticipated pilot hole increase is for an additional 300 feet. Board approval required	
15*	Hawthorne Pipe Changes	Field	\$ (9,729.58)	\$0.00	3.18 3.20 3.23 3.25 3.26	\$ 414,895.57	-2.35%	-0.10%	9/16/2015	Approved	Hawthorne Pipe Changes; Board approval required	
16*	Russell Commons Buried Waste Part A & B	Field	\$ 132,710.00	\$0.00	NA	NA	NA	1.32%	9/16/2015	Approved	Russell Commons Buried Waste backfill, testing, material handling; Board approval required	
17*	Relief Well Construction Obstruction	Other	\$257,694.47	\$0.00	3.38 3.39	\$3,507,071.90	7.35%	2.56%	10/9/2015	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 3/18/15 Board approved budget	
18*	Tree Mitigation	Other	\$17,403.75	\$0.00	NA	NA	NA	0.17%	10/22/2015	Approved	Tree Replacement Plan for Trees Removed Within the IDOT ROW	
19*	Relief Well 1016, 1064, 1065 Modifications	Field	\$15,620.78	\$0.00	3.38 3.39	\$3,507,071.90	0.45%	0.15%	10/22/2015	Approved	Relief Well 1016, 1064, 1065 Modifications	
20*	Relief Well Construction Obstruction	Other	\$111,256.88	\$0.00	3.38 3.39	\$3,507,071.90	3.17%	1.10%	10/27/2015	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 3/18/15 Board approved budget	
21*	Relief Well Construction Obstruction	Other	\$108,620.79	\$0.00	3.38 3.41	\$3,507,073.90	3.10%	1.08%	11/13/2015	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 3/18/15 Board approved budget	
22*	Russell Commons Buried Waste Part A Deduct & Part C	Field	\$40,618.82	\$0.00	NA	NA	NA	0.40%	11/19/2015	Approved	Russell Commons Buried Waste removal (part of ROM estimate given at the 9/16/15 Board meeting)	
23	Delete Duplicate PZ's Per PCN-044 (Credit)	Field	\$ (35,779.00)	\$0.00	3.30 3.31	\$ 506,016.00	-7.07%	-0.35%	12/16/2015	Approved	Credit for deletion of duplicate piezometers	
<b>Total</b>											<b>\$</b>	<b>2,135,087.30</b>

**Total of Project Change Orders \$2,135,087.30 \$0.00**

Original Contract Amount Revised Contract Amount  
**\$10,082,345.00 12,217,432.30**  
 % Change from Original Amount **21.18%**

\*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

**Original Contract Amount:** \$3,190,232.45  
**Change Order #1:** \$8,196.30 Flyght Pump & Locking Sewer Lids per MESD  
**Change Order #2:** \$949.90 Fence Polycarbonate  
**Change Order #3:** \$10,488.00 Fence Grounding per Ameren  
**Change Order #4:** \$1,533.00 2 Additional Posts in Concrete per Phillips 66 Request  
**Change Order #5:** \$2,127.35 Time and material for new fence grounding  
**Change Order #6:** \$2,402.40 Per MESD Request  
**Change Order #7:** \$0.00 Contract Time Extension  
**Change Order #8:** \$1,656.00 2" Well Point SS Pipe  
**Change Order #9:** \$54,680.20 Site 9 Electrical Changes  
**Change Order #10:** \$35,602.21 Work Stoppage due to Soil Testing  
**Change Order #11:** \$80,046.18 Relief Well Construction Obstruction due to Cobble  
**Change Order #12:** \$0.00 Contract Time Extension to June 30, 2015  
**Change Order #13:** \$8,981.67 Relief Well 141XB Re-Design  
**Change Order #14:** \$948.75 Offset Oufall Line of RW 153X  
**Change Order #15:** \$79,051.00 Clay Cap Benching and Key Volume (3,437 CY)  
**Total Change Order Amount:** \$286,662.96  
**Total Revised Contract Amount:** **\$3,476,895.41**

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	4/11/2014	4/15/2014	\$259,243.33	\$25,924.33	\$233,319.00	\$233,319.00	<a href="#">4/22/2014</a>	\$2,965,109.75
2	6/11/2014	6/12/2014	\$269,731.33	\$26,973.13	\$242,758.20	\$9,439.20	<a href="#">6/19/2014</a>	\$2,967,108.45
3	8/5/2014	8/11/2014	\$325,641.68	\$32,564.17	\$293,077.51	\$50,319.32	<a href="#">8/14/2014</a>	\$2,920,449.49
4	10/1/2014	10/9/2014	\$970,413.05	\$97,041.31	\$873,371.75	\$580,294.24	<a href="#">10/13/2014</a>	\$2,344,213.65
5	11/10/2014	11/11/2014	\$1,576,916.93	\$157,691.69	\$1,419,225.24	\$545,853.49	<a href="#">11/14/2014</a>	\$1,798,360.16
6	12/9/2014	12/11/2014	\$1,805,617.83	\$180,561.78	\$1,625,056.05	\$205,830.81	<a href="#">12/18/2014</a>	\$1,647,209.55
7	1/7/2015	1/13/2015	\$1,981,951.82	\$198,195.18	\$1,783,756.65	\$158,700.59	<a href="#">1/26/2015</a>	\$1,488,508.95
8	1/31/2015	2/6/2015	\$2,353,390.85	\$235,339.09	\$2,118,051.77	\$334,295.13	<a href="#">2/13/2015</a>	\$1,269,862.22
9	2/27/2015	3/9/2015	\$2,402,889.49	\$240,288.95	\$2,162,600.54	\$44,548.77	<a href="#">3/19/2015</a>	\$1,225,313.45
10	3/31/2015	4/10/2015	\$2,512,569.69	\$251,256.97	\$2,261,312.72	\$98,712.18	<a href="#">4/16/2015</a>	\$1,136,531.69
11	4/30/2015	5/12/2015	\$2,599,540.09	\$259,954.01	\$2,339,586.08	\$78,273.36	<a href="#">5/18/2015</a>	\$1,058,258.33
12	6/30/2015	7/7/2015	\$2,608,521.08	\$260,852.12	\$2,347,668.96	\$8,082.50	<a href="#">7/9/2015</a>	\$1,050,175.45
13	9/10/2015	9/14/2015	\$2,815,521.76	\$281,552.18	\$2,533,969.58	\$186,300.00	<a href="#">9/14/2015</a>	\$942,925.83

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP04

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Flight Pump and Locking Sewer Lids	Other	\$0.00	\$8,196.30	4.27	\$ 222,500.00	3.68%	0.26%	3/11/2014	Approved	To be paid by MESD Levee District
2	PVC Fence Panel Fillers	Field	\$949.90	\$0.00	4.22	\$ 140,360.00	0.68%	0.03%	4/4/2014	Approved	To accommodate field condition
3	Furnish and Install Fence Grounding	Field	\$10,488.00	\$0.00	4.22	\$ 140,360.00	7.47%	0.33%	4/17/2014	Approved	Ameren required fence to be grounded; grounding to be every 200ft with 20ft ground rod
4	2 Additional Posts in Concrete per Phillips 66 Request	Field	\$1,533.00	\$0.00	4.22	\$ 140,360.00	1.09%	0.05%	6/17/2014	Approved	2 Additional posts per P66 request
5	Time and material for new fence grounding	Field	\$2,127.35	\$0.00	4.22	\$ 140,360.00	1.52%	0.07%	7/17/2014	Approved	Change order for additional grounding needed as requested by Phillips 66; Time and material
6	Razor Wire on Fence	Other	\$0.00	\$2,402.40	NA	NA	NA	0.08%	8/20/2014	Approved	Razor wire on fence at pump station per MESD Levee District request; to be paid by MESD Levee District
7	Time Extension Request for Fence Delay and High River	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	8/27/2014	Approved	Contract time extension of 43 working days due to security fence approval delay and high river level days that impeded construction
8	Well Point Stainless Steel Pipe diameter change 1-1/4" to 2"	Field	\$1,656.00	\$0.00	4.16	\$ 878,900.00	0.19%	0.05%	9/15/2014	Approved	Well point stainless steel pipe diameter change from 1-1/4" to 2" to improve operability/constructability.
9*	Site 9 Electrical Changes	Other	\$54,680.20	\$0.00	4.28	\$ 222,500.00	24.58%	1.71%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 9. Board approval required
10	Work stoppage for impacted soil	Other	\$35,602.21	\$0.00	NA	NA	NA	1.12%	1/8/2015	Approved	Work stopped to perform testing due to encountering hydrocarbon odor
11	RW Construction Obstruction	Field	\$80,046.18	\$0.00	4.16	\$ 878,900.00	9.11%	2.51%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling
12	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract time extension to June 30, 2015
13	RW 141XB Re-design	Field	\$8,981.67	\$0.00	4.16	\$ 878,900.00	1.02%	0.28%	2/17/2015	Approved	60-slot RW re-design to 40-slot
14	Off-setting Outfall Line of RW 153X	Field	\$948.75	\$0.00	4.16	\$ 878,900.00	0.11%	0.03%	3/6/2015	Approved	Off-setting Outfall Line of RW 153X
15	Clay Cap Benching and Key Volume (3,437 CY)	Other	\$79,051.00	\$0.00	NA	NA	NA	2.48%	8/24/2015	Approved	Clay Cap Benching and Key Volume (3,437 CY) The Clay quantity for the benching was not included in the original BP04 bid tab
<b>Total of Project Change Orders</b>										<b>Total</b>	<b>\$ 286,662.96</b>

Original Contract Amount **\$3,190,232.45**  
 Revised Contract Amount **3,476,895.41**  
 % Change from Original Amount **8.99%**

\*Board approval required

## CONTRACT INVOICE LOG

**Contractor:** Keller Construction, Inc.  
22 Illini Drive  
Glen Carbon, IL 62034

**Project:** SWILCD  
**Construction Package:** BP05

<b>Original Contract Amount:</b>	\$	8,256,481.84	
<b>Change Order #1:</b>	\$	19,698.78	Locking Sewer Lids per MESD
<b>Change Order #2:</b>	\$	2,815.00	Gravity Drain Cleanout
<b>Change Order #3:</b>	\$	1,224.14	Rip Rap Survey
<b>Change Order #4:</b>	\$	683.99	Manhole Extension
<b>Change Order #5:</b>	\$	1,863.75	Additional Permits
<b>Change Order #6:</b>	\$	103,690.00	5 RW Rehabs
<b>Change Order #7:</b>	\$	31,680.00	PZ Seal Modification
<b>Change Order #8:</b>	\$	45,199.00	Install 10" Relief Wells instead of 8"
<b>Change Order #9:</b>	\$	107,201.00	Relief Well Construction Obstruction
<b>Change Order #10:</b>	\$	(5,095.00)	Credit to Remove Vacuum Testing of Manholes
<b>Change Order #11:</b>	\$	-	Contract Time Extension to September 30, 2015
<b>Change Order #12:</b>	\$	(31,680.00)	Delete - PZ Seal Modifications
<b>Change Order #13:</b>	\$	9,056.25	Remaining Relief Well Permits
<b>Change Order #14:</b>	\$	110,334.93	60 Slot Relief Well Redesign
<b>Change Order #15:</b>	\$	83,011.64	Relief Well Construction Obstruction
<b>Change Order #16:</b>	\$	3,622.38	PZ 875L Alignment Test and Repair
<b>Change Order #17:</b>	\$	90,000.00	HDPE to RCP Pipe Change-Early Draw for Materials
<b>Change Order #18:</b>	\$	5,158,639.93	Pipe Material Change to RCP (less CO17)
<b>Total Change Order Amount:</b>		\$5,731,945.79	
<b>Total Revised Contract Amount:</b>		<b>\$13,988,427.63</b>	

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Included Retainage (\$)
1	2/28/2014	3/7/2014	\$266,054.00	\$26,605.40	\$239,448.60	\$239,448.60	<a href="#">3/25/2014</a>	\$8,017,033.24
2	3/31/2014	4/16/2014	\$883,107.43	\$88,310.74	\$794,796.69	\$555,348.09	<a href="#">4/22/2014</a>	\$7,461,685.15
3	4/30/2014	4/16/2014	\$1,462,259.11	\$146,225.91	\$1,316,033.20	\$521,236.51	<a href="#">5/22/2014</a>	\$6,960,147.42
4	5/31/2014	6/10/2014	\$1,627,018.16	\$162,701.82	\$1,464,316.34	\$148,283.15	<a href="#">6/19/2014</a>	\$6,814,679.28
5	6/30/2014	7/14/2014	\$1,750,946.56	\$175,094.66	\$1,575,851.90	\$111,535.56	<a href="#">7/17/2014</a>	\$6,704,367.86
6	8/31/2014	9/9/2014	\$2,052,379.42	\$205,237.94	\$1,847,141.48	\$271,289.57	<a href="#">9/15/2014</a>	\$6,433,762.27
7	9/30/2014	10/9/2014	\$2,442,332.85	\$244,233.29	\$2,198,099.57	\$350,958.09	<a href="#">10/16/2014</a>	\$6,084,667.94
8	10/31/2014	11/13/2014	\$3,002,182.98	\$300,218.31	\$2,701,964.67	\$503,865.11	<a href="#">11/18/2014</a>	\$5,684,492.83
9	11/30/2014	12/12/2014	\$3,506,445.51	\$350,644.57	\$3,155,800.94	\$453,836.27	<a href="#">12/18/2014</a>	\$5,262,336.56
10	12/31/2014	1/15/2015	\$3,740,982.49	\$374,098.27	\$3,366,884.22	\$211,083.28	<a href="#">1/26/2015</a>	\$5,051,253.28
11	1/31/2015	2/6/2015	\$4,088,696.15	\$408,869.64	\$3,679,826.51	\$312,942.29	<a href="#">2/18/2015</a>	\$4,885,615.99
12	2/28/2015	3/9/2015	\$4,251,060.82	\$425,106.10	\$3,825,954.72	\$146,128.21	<a href="#">3/19/2015</a>	\$4,739,487.78
13	3/31/2015	4/10/2015	\$5,082,851.69	\$508,285.19	\$4,574,566.50	\$748,611.78	<a href="#">4/16/2015</a>	\$3,990,876.00
14	4/30/2015	5/12/2015	\$5,497,369.50	\$274,868.49	\$5,222,501.01	\$647,934.51	<a href="#">5/18/2015</a>	\$3,513,664.31
15	5/31/2015	6/10/2015	\$6,007,102.52	\$300,355.14	\$5,706,747.38	\$484,246.37	<a href="#">6/16/2015</a>	\$3,029,417.94
16	6/30/2015	7/7/2015	\$6,065,079.91	\$303,254.01	\$5,761,825.90	\$55,078.52	<a href="#">7/14/2015</a>	\$2,974,339.42
17	7/31/2015	8/3/2015	\$6,123,848.73	\$306,192.45	\$5,817,656.28	\$55,830.38	<a href="#">8/20/2015</a>	\$2,918,509.04
18	8/31/2015	9/11/2015	\$6,134,110.93	\$306,706.56	\$5,827,404.37	\$9,749.09	<a href="#">9/16/2015</a>	\$2,912,383.33
19	9/30/2015	10/8/2015	\$6,162,786.16	\$308,139.32	\$5,854,646.84	\$27,241.47	<a href="#">10/21/2015</a>	\$2,885,140.86
20	10/31/2015	11/13/2015	\$6,186,400.94	\$309,320.06	\$5,877,080.88	\$22,434.04	<a href="#">11/17/2015</a>	\$2,952,706.82
21	11/30/2016	1/8/2016	\$6,186,400.94	\$311,981.05	\$5,874,419.89	(\$2,660.99)	Adjust for Retention-Apply to Req 22	
22	12/1/2016	1/8/2016	\$6,212,507.17	\$314,408.19	\$5,898,098.98	\$21,018.10		\$8,090,328.65

**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; Owner will be responsible for all permits and fees
6	Relief Wells Rehabs	Other	\$103,690.00	\$0.00	NA	NA	NA	1.26%	10/30/2014	Approved	Relief well rehabilitations in the plans but were omitted from the bid tab
7*	PZ Seal Modifications	Design	\$31,680.00	\$0.00	5.22	\$ 171,680.00	18.45%	0.38%	11/19/2014	Approved	The new detail extends the concrete seal 4' below ground surface which should provide more stability for the above-grade part of the piezometer.
8	Installation and testing of 10" Relief Wells instead of 8" Wells	Design	\$45,199.00	\$0.00	5.28	\$ 2,156,379.63	2.10%	0.55%	2/2/2015	Approved	Based on site-specific designs performed after pilot hole drilling, ten wells were final-designed with 10" diameter screens and risers to optimize well length and/or meet the USACE entrance velocity standard.
9*	RW Construction Obstruction	Field	\$107,201.00	\$0.00	5.27 5.28	\$ 3,204,234.48	3.35%	1.30%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board approval
10	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,095.00)	\$0.00	5.18-5.21	\$ 113,685.00	-4.48%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
11	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract Time Extension to September 30, 2015
12	Delete - PZ Seal Modifications	Other	\$ (31,680.00)	\$0.00	5.22	\$ 171,680.00	-18.45%	-0.38%	4/16/2015	Approved	Delete piezometer seal modifications
13	Remaining Relief Well Permits	Other	\$9,056.25	\$0.00	NA	NA	NA	0.11%	4/16/2015	Approved	Per spec sec 00 800 par 6.4-Owner will be responsible for all permits and fees
14	60 Slot Relief Well Redesign	Field	\$110,334.93	\$0.00	5.27 5.28	\$ 3,204,234.48	3.44%	1.34%	4/16/2015	Approved	60 Slot Relief Well Redesign

**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
15	RW Construction Obstruction	Field	\$83,011.64	\$0.00	5.27 5.28	\$ 3,204,234.48	2.59%	1.01%	5/15/2015	Within approved budget	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board appro
16	PZ 875L Alignment Test and Repair	Field	\$3,622.38	\$0.00	NA	NA	NA	0.04%	7/7/2015	Approved	Alignment test and repairs
17	HDPE to RCP Pipe Change-Early Draw	Other	\$90,000.00	\$0.00	NA	NA	NA	1.09%	10/16/2015	Approved	HDPE to RCP Pipe Change; Early draw to order materials
18*	Pipe Material Change	Other	\$5,158,639.93	\$0.00	NA	NA	NA	62.48%	12/16/2015	Approved	HDPE to RCP Pipe Change
<b>Total of Project Change Orders</b>			<b>\$5,712,247.01</b>	<b>\$19,698.78</b>							<b>\$5,731,945.79</b>
<b>Original Contract Amount</b>			<b>\$8,256,481.84</b>	<b>% Change from Original Amount</b>							
<b>Revised Contract Amount</b>			<b>13,988,427.63</b>	<b>69.42%</b>							

\*Board approval required

**CONTRACT INVOICE LOG**

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

**Project:** SWILCD 56317001.008.0017  
**Construction Package:** BP06  
**Original Contract Amount:** \$12,857,127.75  
**Change Order #1:** \$0.00 Spiral Wound Slip Lining  
**Change Order #2:** \$1,870.00 Bronze Survey Markers  
**Change Order #3:** \$132,809.60 Red Flint Filter Pack Material  
**Change Order #4:** \$12,040.40 Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"  
**Change Order #5:** \$29,566.29 SaniTite pipe upgrade and air testing on 30"-42" pipe  
**Change Order #6:** \$26,950.00 Vacuum testing manholes  
**Change Order #7:** \$205,863.75 Additional Pilot Hole Drilling & Additional Pilot Hole Sampling  
**Change Order #8:** \$4,210.00 Raise to Grade Piezometer  
**Change Order #9:** \$9,504.00 Modify Piezometer  
**Change Order #10:** \$18,339.63 12" Surface Aggregate  
**Change Order #11:** \$1,282,932.15 Relief Well Quantity Changes  
**Change Order #12:** \$37,935.66 Various Changes for Board Approval  
**Change Order #13:** \$43,664.49 Various Changes for Board Approval  
**Change Order #14:** \$177,854.69 Relief Well Construction Obstruction  
**Change Order #15:** \$0.00 Contract Time Extension to September 30, 2015  
**Change Order #16:** \$10,004.04 Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole – 48 inch deleted JN-70 C; HDPE pipe 12 inch  
**Change Order #17:** (\$10,106.25) Credit-Remove Vacuum Testing of Manholes  
**Change Order #18:** \$63,230.97 60 Slot Relief Well Redesign  
**Change Order #19:** \$20,923.32 Relief Well Construction Obstruction  
**Change Order #20:** \$17,910.08 Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ  
**Change Order #21:** \$4,562.64 Relief Well Construction Obstruction  
**Change Order #22:** \$83,071.89 RCP at Pulcher's Driveway and Increase in Relief Well Quantities  
**Change Order #23:** \$38,213.76 Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L  
**Change Order #24:** \$14,496.25 Collection Pipe P 145X  
**Change Order #25:** \$0.00 Contract Time Extension to December 31, 2015  
**Change Order #26:** \$3,770.53 Right of Way Monuments Resetting @ stations 338+00 and 533+00  
**Total Change Order Amount:** **\$2,229,617.89**  
**Total Revised Contract Amount:** **\$15,086,745.64**

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

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 (\$)
10	9/3/2014	9/5/2014	\$6,053,869.33	\$605,386.93	\$5,448,482.40	\$241,980.91	<a href="#">9/15/2014</a>	\$7,849,799.02
11	10/1/2014	10/3/2014	\$6,752,179.87	\$675,217.99	\$6,076,961.88	\$628,479.49	<a href="#">10/16/2014</a>	\$8,504,251.69
12	11/1/2014	11/10/2014	\$7,466,202.56	\$746,620.26	\$6,719,582.30	\$642,620.41	<a href="#">11/18/2014</a>	\$7,899,566.94
13	12/1/2014	12/8/2014	\$8,071,969.19	\$807,196.92	\$7,264,772.27	\$545,189.97	<a href="#">12/18/2014</a>	\$7,398,041.46
14	1/1/2015	1/13/2015	\$9,086,036.15	\$454,301.81	\$8,631,734.33	\$1,366,962.07	<a href="#">1/26/2015</a>	\$6,031,079.39
15	2/1/2015	2/6/2015	\$10,631,046.43	\$531,552.32	\$10,099,494.11	\$1,467,759.77	<a href="#">2/18/2015</a>	\$4,741,174.30
16	3/1/2015	3/9/2015	\$11,159,175.28	\$557,958.76	\$10,601,216.51	\$501,722.40	<a href="#">3/19/2015</a>	\$4,249,455.94
17	4/1/2015	4/10/2015	\$12,128,575.99	\$606,428.80	\$11,522,147.19	\$920,930.68	<a href="#">4/16/2015</a>	\$3,381,649.98
18	5/1/2015	5/8/2015	\$13,089,041.43	\$654,452.07	\$12,434,589.36	\$912,442.17	<a href="#">5/18/2015</a>	\$2,490,131.13
19	6/1/2015	6/5/2015	\$13,723,208.55	\$686,160.43	\$13,037,048.13	\$602,458.77	<a href="#">6/16/2015</a>	\$1,910,145.08
20	7/1/2015	7/6/2015	\$14,005,443.45	\$700,272.17	\$13,305,171.28	\$268,123.15	<a href="#">7/14/2015</a>	\$1,725,093.82
21	8/1/2015	8/7/2015	\$14,045,434.28	\$702,271.71	\$13,343,162.57	\$37,991.28	<a href="#">8/20/2015</a>	\$1,725,316.29
22	9/1/2015	9/11/2015	\$14,070,459.28	\$703,522.96	\$13,366,936.32	\$23,773.75	<a href="#">9/16/2015</a>	\$1,716,038.79
23	10/1/2015	10/9/2015	\$14,194,301.91	\$654,204.74	\$13,540,097.17	\$173,158.86	<a href="#">10/21/2015</a>	\$1,542,877.94
24	11/1/2015	11/13/2015	\$14,466,220.84	\$667,802.68	\$13,798,418.16	\$258,322.99	<a href="#">11/17/2015</a>	\$1,284,556.95
25	12/1/2015	12/8/2015	\$14,586,512.09	\$673,817.24	\$13,912,694.85	\$114,276.68	<a href="#">12/17/2015</a>	\$1,170,280.26
26	1/1/2016	1/8/2016	\$14,671,739.09	\$678,078.59	\$13,993,660.50	\$80,965.65		\$1,093,085.14

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP06

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Spiral Wound (Slip-Lining)	Spec	\$0.00	\$0.00	6.20	\$ 1,629,000.00	0.00%	0.00%	2/27/2014	Approved	Specification change to coordinate and be consistent with material and methods used by Corps of Engineers
2	Bronze Survey Markers	Spec	\$1,870.00	\$0.00	6.40	\$ 1,039,884.00	0.18%	0.01%	3/18/2014	Approved	Specification change to make consistent with other bid packages. Comments back from Corps of Engineers on other bid packages but was missed on this bid package.
3	Red Flint Filter Pack	Spec	\$132,809.60	\$0.00	6.39 6.40	\$ 1,806,432.00	7.35%	1.03%	6/20/2014	Approved	Specification change as required by the Corp of Engineers. The change order cost of \$132,809.60 is based on original bid quantities and may increase based on final relief well design. If final quantities result in increase of 10% above original line item, Board approval required
4	Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"	Spec	\$12,040.40	\$0.00	NA	NA	NA	0.09%	7/17/2014	Approved	Specification change to make consistent with other bid packages.
5*	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
14*	RW Construction Obstruction	Field	\$177,854.69	\$0.00	6.39 6.40	\$ 1,806,432.00	9.85%	1.38%	1/21/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. Board approval required.
15	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract Time Extension to September 30, 2015



**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
16*	Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole – 48 inch deleted JN-70 C; HDPE pipe 12 inch deleted P-S516 for 70C.	Field	\$10,004.04	\$0.00	6.39 6.40	\$ 1,806,432.00	0.55%	0.08%	2/12/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
17	Credit-Remove Vacuum Testing of Manholes		\$ (10,106.25)	\$0.00	NA	NA	NA	-0.08%	3/4/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
18*	60 Slot Relief Well Redesign	Field	\$63,230.97	\$0.00	6.40	\$ 1,039,884.00	6.08%	0.49%	3/18/2015	Approved	60-slot RW re-design to 40-slot; Board approval required
19	RW Construction Obstruction	Field	\$20,923.32	\$0.00	6.39 6.40	\$ 1,806,432.00	1.16%	0.16%	5/8/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
20*	Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ	Field	\$17,910.08	\$0.00	6.04 6.43 6.44	\$ 554,700.00	3.23%	0.14%	5/15/2015	Approved	Changes proposed to accommodate field conditions. Board approval required.
21	RW Construction Obstruction	Field	\$4,562.64	\$0.00	6.39 6.40	\$ 1,806,432.00	0.25%	0.04%	5/29/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
22*	RCP at Pulcher's Driveway Increase in Relief Well Quantities	Field	\$83,071.89	\$0.00	6.39 6.40	\$ 1,806,432.00	4.60%	0.65%	6/17/2015	Approved	RCP at Pulcher's Driveway Increase in Relief Well Quantities Board approval required
23*	Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L	Field	\$38,213.76	\$0.00	NA	NA	NA	0.30%	7/15/2015	Approved	Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L
24*	Collection Pipe P 145X	Field	\$14,496.25	\$0.00	NA	NA	NA	0.11%	8/19/2015	Approved	Extra work to accommodate field conditions related to Collection Pipe P 145X; Board approval required
25	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Substantial Completion by December 31, 2015(excludes permanent seeding); Final Completion April 14, 2016
26	Right of Way Monuments Resetting @ stations 338+00 and 533+00	Field	\$3,770.53	\$0.00	NA	NA	NA	0.03%	12/16/2015	Approved	Right of Way Monuments Resetting @ stations 338+00 and 533+00
			<b>Total of Project Change Orders</b>	<b>\$2,229,617.89</b>						<b>Total</b>	<b>\$ 2,229,617.89</b>
			<b>Original Contract Amount</b>	<b>\$15,086,745.64</b>							
			<b>Revised Contract Amount</b>	<b>\$12,857,127.75</b>							
				<b>% Change from Original Amount</b>							
				<b>17.34%</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:** \$98,660.80      Excavation Levee Slope and Crown Quantity Adjustment  
**Change Order #4:** \$66,693.00      Slurry Wall Quantity Settlement  
**Change Order #5:** \$0.00      Contract Time Extension to June 26, 2015  
**Change Order #6:** \$7,500.00      Site demolition and restoration as required by City of Alton  
**Change Order #7:** \$3,540.25      Clay Cap Volume Change  
**Total Change Order Amount:** \$299,141.55  
**Total Revised Contract Amount:** **\$3,375,350.25**

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
2	11/30/2014	12/8/2014	\$1,824,863.95	\$182,486.40	\$1,642,377.55	\$844,369.42	<a href="#">12/18/2014</a>	\$1,556,578.65
3	12/31/2015	1/9/2015	\$2,520,707.13	\$126,035.37	\$2,394,671.76	\$752,294.21	<a href="#">1/26/2015</a>	\$902,945.24
4	2/28/2015	3/10/2015	\$2,587,400.13	\$129,370.02	\$2,458,030.11	\$63,358.35	<a href="#">3/19/2015</a>	\$906,279.89
5	3/31/2015	4/10/2015	\$2,727,400.13	\$136,370.02	\$2,591,030.11	\$133,000.00	<a href="#">4/16/2015</a>	\$773,279.89
6	5/4/2015	5/10/2015	\$3,278,416.10	\$163,920.82	\$3,114,495.28	\$523,465.17	<a href="#">5/18/2015</a>	\$249,814.72
7	6/5/2015	6/12/2015	\$3,371,810.00	\$67,436.20	\$3,304,373.80	\$189,878.52	<a href="#">6/16/2015</a>	\$67,436.20
7	7/8/2015	7/8/2015	\$3,375,350.25	\$0.00	\$3,375,350.25	\$70,976.45	<a href="#">7/14/2015</a>	\$0.00

**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	Other	\$98,660.80	\$0.00	0009	\$ 89,503.20	110.23%	3.21%	12/17/2014	Approved	Excavation Levee Slope and Crown Quantity Adjustment. Board approval required (see memo for detail)
4	Slurry Trench Cutoff Wall Quantity Settlement	Other	\$66,693.00	\$0.00	0010 0011	\$669,584.00	9.96%	2.17%	3/10/2015	Approved	Slurry Trench Cutoff Wall Quantity Settlement
5	Contract Time Extension to June 26, 2015	Other	\$0.00	\$0.00	0	\$ -	0.00%	0.00%	3/10/2015	Approved	Contract Time Extension to June 26, 2015 due to weather needed for clay placement
6	Site demolition and restoration as required by City of Alton	Other	\$7,500.00	\$0.00	0007	\$315,818.00	2.37%	0.24%	5/15/2015	Approved	Crack fill, seal, and stripe the entire Alton Marina Parking lot, as required by the City of Alton.
7	Clay Cap Volume Change	Field	\$3,540.25	\$0.00	0013	\$860,370.00	0.41%	0.12%	7/9/2015	Approved	Clay Cap Volume Change
<b>Total of Project Change Orders</b>			\$299,141.55	\$0.00						Approved	\$ 299,141.55
		<b>Original Contract Amount</b>	<b>\$3,076,208.70</b>	<b>\$3,375,350.25</b>				<b>9.72%</b>			

\*Board approval required

## CONTRACT INVOICE LOG

**Contractor:** TREVIICOS South  
 38 Third Ave. 3rd Floor  
 Boston National Historic Park  
 Charlestown, MA 02129

**Project:** SWILCD  
**Construction Package:** BP7B (Re-Bid)

**Original Contract Amount:** \$13,991,000.00  
**Change Order #1:** \$0.00 Contract Time Extension  
**Change Order #2:**  
**Change Order #3:**  
**Total Change Order Amount:** \$0.00  
**Total Revised Contract Amount:** **\$13,991,000.00**

Payment Request No.	Pay Request Date (Period To:)	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	6/30/2015	7/16/2015	\$350,000.00	\$35,000.00	\$315,000.00	\$315,000.00	<a href="#">7/20/2015</a>	\$13,676,000.00
2	7/31/2015	8/12/2015	\$616,339.20	\$61,633.92	\$554,705.28	\$239,705.28	<a href="#">8/20/2015</a>	\$13,436,294.72
3	8/31/2015	9/11/2015	\$1,561,850.70	\$156,185.07	\$1,405,665.63	\$850,960.35	<a href="#">9/16/2015</a>	\$12,585,334.37
4	9/30/2015	10/13/2015	\$3,045,825.87	\$304,582.59	\$2,741,243.28	\$1,335,577.65	<a href="#">10/21/2015</a>	\$11,249,756.72
5	10/31/2015	11/13/2015	\$3,666,233.98	\$366,623.40	\$3,299,610.58	\$558,367.30	<a href="#">11/17/2015</a>	\$10,691,389.42
6	11/30/2015	12/4/2015	\$3,861,733.98	\$386,173.40	\$3,475,560.58	\$175,950.00	<a href="#">12/17/2015</a>	\$10,515,439.42
7	12/31/2016	1/8/2016	\$4,822,985.68	\$482,298.57	\$4,340,687.11	\$865,126.53		\$9,650,312.89

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

**CLIENT:** Southwestern Illinois Flood Prevention District Council  
**PROJECT:** Bid Package 7B (RE-BID)

**PROJECT NUMBER:** SIFDC-BP7B (Re-Bid)

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	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	NA	9/2/2015	Approved	34 additional calendar days to be added to Contract time due to high river levels
<b>Total of Project Change Orders</b>			<b>\$0.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ -</b>

Original Contract Amount      Revised Contract Amount      % Change from Original Amount  
**\$13,991,000.00**                      **13,991,000.00**                      **0.00%**

\*Board approval required





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Budget and Disbursement Report for December 2015  
Date: January 15, 2016

Current Budget Highlights

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

Accrued expenditures for the current fiscal year beginning on October 1, 2015 are \$11,185,499 while revenues amounted to \$2,933,102 resulting in a deficit of \$8,252,397. A total of approximately \$25,433,719 is held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for November 2015 (the latest month reported by the Illinois Department of Revenue) were up 2.54% from the previous year. In general, receipts are up 1.03% from last year, which was our highest year. Receipts for the last five months are the highest ever for each of those months, which is a good trend.

Monthly Disbursements

Attached is the list of bank transactions for December 2015. Total disbursements for the month were \$1,126,355.13. The largest payments were to Keller Construction for BP #3 and BP #5, TREVIICOS South for BP #7B, Lane Construction for BP #6, Amec Foster Wheeler, and Husch Blackwell.

Recommendation:

Accept the budget report and disbursements for December 2015.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**THREE MONTHS ENDING DECEMBER 31, 2015 AND 2014**





**CliftonLarsonAllen**

CliftonLarsonAllen LLP  
www.cliftonlarsonallen.com

Board Members  
Southwestern Illinois Flood Prevention District Council  
Collinsville, Illinois

Management is responsible for the accompanying General Fund Statement of Revenues and Expenditures of Southwestern Illinois Flood Prevention District Council (the "Council") for the three months ended December 31, 2015 and 2014, in accordance with accounting principles generally accepted in the United States of America. We have performed compilation engagements in accordance with Statements on Standards for Accounting and Review services promulgated by the Accounting and Review Services Committee of the American Institute of certified Public Accountants. We did not audit or review the financial statements nor were we required to perform any procedures to verify the accuracy or completeness of information provided by management. Accordingly, we do not express an opinion a conclusion, nor provide any form of assurances on these financial statements.

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, 2016 and 2015, 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 black ink that reads "Clifton Larson Allen LLP". The signature is written in a cursive, flowing style.

CliftonLarsonAllen LLP

St. Louis, Missouri  
January 11, 2016

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
THREE MONTHS ENDED DECEMBER 31, 2015 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2016 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,500,000	\$ 11,500,000	\$ 2,844,695	\$ 8,655,305
Interest Income	75,000	75,000	88,407	(13,407)
Other Contributions	-	-	-	-
Total Revenues	<u>11,575,000</u>	<u>11,575,000</u>	<u>2,933,102</u>	<u>8,641,898</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	13,939,900	13,939,900	1,041,190	12,898,710
Construction	26,597,316	26,597,316	6,200,641	20,396,675
Construction and design by US ACE	2,739,245	2,739,245	-	2,739,245
Total Design and Construction	<u>43,276,461</u>	<u>43,276,461</u>	<u>7,241,831</u>	<u>36,034,630</u>
Professional Services				
Legal & Legislative Consulting	391,000	391,000	155,517	235,483
Diversity Program Manager	25,130	25,130	12,565	12,565
Financial Advisor	83,200	83,200	51,113	32,087
Bond Underwriter/Conduit Issuer	10,000	10,000	1,744	8,256
Total Professional Services	<u>509,330</u>	<u>509,330</u>	<u>220,939</u>	<u>288,391</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,911,400	1,911,400	594,944	1,316,456
Monroe County	202,080	202,080	62,500	139,580
St. Clair County	1,886,520	1,886,520	600,041	1,286,479
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>1,257,485</u>	<u>2,742,515</u>
Debt Service				
Principal and Interest	7,103,089	7,103,089	2,411,790	4,691,299
Federal Interest Subsidy	(843,700)	(843,700)	-	(843,700)
Total Debt Service	<u>6,259,389</u>	<u>6,259,389</u>	<u>2,411,790</u>	<u>3,847,599</u>
Total Operating Expenses	<u>54,045,180</u>	<u>54,045,180</u>	<u>11,132,045</u>	<u>42,913,135</u>
General and Administrative Costs				
Salaries, Benefits	196,500	196,500	41,467	155,033
Bank Service Charges	1,500	1,500	358	1,142
Conference Registration	350	350	-	350
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	29,000	29,000	6,500	22,500
Audit Services	15,000	15,000	608	14,392
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	55	345
Printing/Photocopies	2,500	2,500	1,206	1,294
Professional Services	10,000	10,000	256	9,744
Publications/Subscriptions	250	250	3	247
Supplies	3,000	3,000	818	2,182
Telecommunications/Internet	3,000	3,000	1,241	1,759
Travel	5,000	5,000	-	5,000
Insurance	1,000	1,000	942	58
Total General & Administrative Costs	<u>270,500</u>	<u>270,500</u>	<u>53,454</u>	<u>217,046</u>
Total Expenditures	<u>54,315,680</u>	<u>54,315,680</u>	<u>11,185,499</u>	<u>43,130,181</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(42,740,680)	(42,740,680)	(8,252,397)	34,488,283
OTHER FINANCING SOURCES				
Proceeds From Borrowing	65,000,000	65,000,000	27,705,000	37,295,000
NET CHANGE IN FUND BALANCE	<u>\$ 22,259,320</u>	<u>\$ 22,259,320</u>	<u>\$ 19,452,603</u>	<u>\$ 2,806,717</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
THREE MONTHS ENDED DECEMBER 31, 2014 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2015 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 2,802,758	\$ 8,392,242
Interest Income	60,000	60,000	72,549	(12,549)
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>2,875,307</u>	<u>8,379,693</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	870,201	7,260,849
Construction	45,791,362	45,791,362	10,037,885	35,753,477
Construction and design by US ACE	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>10,908,086</u>	<u>43,014,326</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	49,456	166,544
Diversity Program Manager	64,140	64,140	24,890	39,250
Financial Advisor	120,000	120,000	1,800	118,200
Bond Underwriter/Conduit Issuer	-	-	6,704	(6,704)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>82,850</u>	<u>317,290</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	381,108	1,501,372
Monroe County	197,080	197,080	39,899	157,181
St. Clair County	1,920,440	1,920,440	388,792	1,531,648
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>809,799</u>	<u>3,190,201</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>14,048,855</u>	<u>50,530,326</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	54,308	151,692
Bank Service Charges	1,500	1,500	349	1,151
Conference Registration	500	500	-	500
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	26,500	26,500	6,300	20,200
Audit Services	15,000	15,000	-	15,000
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	66	334
Printing/Photocopies	2,500	2,500	658	1,842
Professional Services	20,000	20,000	192	19,808
Publications/Subscriptions	250	250	93	157
Supplies	1,500	1,500	639	861
Telecommunications/Internet	2,500	2,500	1,196	1,304
Travel	7,500	7,500	165	7,335
Insurance	1,000	1,000	968	32
Total General & Administrative Costs	<u>288,150</u>	<u>288,150</u>	<u>64,934</u>	<u>223,216</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>14,113,789</u>	<u>50,753,542</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(11,238,482)	42,373,849
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (11,238,482)</u>	<u>\$ 42,373,849</u>

# Flood Prevention District Sales Tax Trends 2009-2015

<b>2009</b>												County Share		
Jan	Feb	March	April	May	June	July	August	Sept	October	November	December		Total	
Madison	\$321,968	\$336,765	\$397,425	\$387,385	\$414,350	\$421,402	\$399,616	\$401,188	\$400,090	\$404,847	\$405,930	\$492,814	\$4,783,780	46.319%
St. Clair	\$337,979	\$362,696	\$424,556	\$398,395	\$419,126	\$438,230	\$411,968	\$410,484	\$429,852	\$412,637	\$446,806	\$581,721	\$5,074,450	49.134%
Monroe	\$31,641	\$32,903	\$37,830	\$38,757	\$41,326	\$40,847	\$37,817	\$37,497	\$38,652	\$42,270	\$40,332	\$49,755	\$469,627	4.547%
Total Month	\$691,588	\$732,364	\$859,811	\$824,537	\$874,802	\$900,479	\$849,401	\$849,169	\$868,594	\$859,754	\$893,068	\$1,124,290	\$10,327,857	
Cumulative Total	\$691,588	\$1,423,952	\$2,283,763	\$3,108,300	\$3,983,102	\$4,883,581	\$5,732,982	\$6,582,151	\$7,450,745	\$8,310,499	\$9,203,567	\$10,327,857		
<b>2010</b>														
Madison	\$353,146	\$374,416	\$456,795	\$462,697	\$440,815	\$452,308	\$427,329	\$433,047	\$419,455	430,210	\$442,904	\$529,069	\$5,222,191	47.272%
St. Clair	\$367,458	\$399,480	\$464,089	\$439,748	\$439,139	\$458,299	\$421,447	\$423,718	\$424,971	\$429,581	\$457,927	587067	\$5,312,924	48.094%
Monroe	\$36,770	\$34,324	\$39,884	\$43,769	\$44,358	\$43,102	\$46,499	\$41,816	\$42,207	\$42,746	\$45,411	\$51,004	\$511,890	4.634%
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Cumulative Total	\$757,374	\$1,565,594	\$2,526,362	\$3,472,576	\$4,396,888	\$5,350,597	\$6,245,872	\$7,144,453	\$8,031,086	\$8,933,623	\$9,879,865	\$11,047,005		
% change/month	9.51%	10.36%	11.74%	14.8%	5.7%	5.9%	5.4%	5.8%	2.1%	5.0%	6.0%	3.8%		
% change/total	9.51%	9.95%	10.62%	11.72%	10.39%	9.56%	8.95%	8.54%	7.79%	7.50%	7.35%	6.96%	6.96%	
<b>2011</b>														
Madison	\$380,021	\$383,976	\$460,129	\$454,562	\$466,904	\$477,396	\$436,637	\$473,303	\$448,256	\$444,204	\$455,842	\$538,000	\$5,419,230	48.108%
St. Clair	\$363,984	\$395,231	\$455,562	\$437,820	\$436,490	\$475,972	\$433,460	\$433,777	\$441,030	\$412,793	\$451,390	\$594,129	\$5,331,638	47.330%
Monroe	\$38,315	\$34,759	\$41,192	\$44,975	\$41,786	\$45,836	\$44,887	\$43,323	\$42,564	\$42,690	\$42,252	\$51,266	\$513,845	4.562%
Total Month	\$782,320	\$813,966	\$956,883	\$937,357	\$945,180	\$999,204	\$914,984	\$950,403	\$931,850	\$899,687	\$949,484	\$1,183,395	\$11,264,713	
Cumulative Total	\$782,320	\$1,596,286	\$2,553,169	\$3,490,526	\$4,435,706	\$5,434,910	\$6,349,894	\$7,300,297	\$8,232,147	\$9,131,834	\$10,081,318	\$11,264,713		
% change/month	3.29%	0.71%	-0.40%	-0.94%	2.26%	4.77%	2.20%	5.77%	5.10%	-0.32%	0.34%	1.39%		
% change/total	3.29%	1.96%	1.06%	0.52%	0.88%	1.58%	1.67%	2.18%	2.50%	2.22%	2.04%	1.97%	1.97%	
<b>2012</b>														
Madison	\$381,470	\$406,476	\$473,049	\$471,191	\$481,989	\$477,254	\$427,562	\$434,603	\$428,193	\$428,521	\$429,127	\$523,240	\$5,362,675	47.481%
St. Clair	\$361,727	\$415,491	\$468,490	\$432,173	\$468,782	\$473,567	\$425,923	\$441,838	\$438,184	\$424,289	\$454,916	\$589,183	\$5,394,563	47.763%
Monroe	\$37,471	\$38,904	\$46,086	\$46,051	\$46,231	\$45,671	\$43,063	\$45,307	\$45,641	\$46,230	\$45,429	\$51,062	\$537,146	4.756%
Total Month	\$780,668	\$860,871	\$987,625	\$949,415	\$997,002	\$996,492	\$896,548	\$921,748	\$912,018	\$899,040	\$929,472	\$1,163,485	\$11,294,384	
Cumulative Total	\$780,668	\$1,641,539	\$2,629,164	\$3,578,579	\$4,575,581	\$5,572,073	\$6,468,621	\$7,390,369	\$8,302,387	\$9,201,427	\$10,130,899	\$11,294,384		
% change/month	-0.21%	5.76%	3.21%	1.29%	5.48%	-0.27%	-2.01%	-3.02%	-2.13%	-0.07%	-2.11%	-1.68%		
% change/total	-0.21%	2.83%	2.98%	2.52%	3.15%	2.52%	1.87%	1.23%	0.85%	0.76%	0.49%	0.26%	0.26%	

# Flood Prevention District Sales Tax Trends 2009-2015

## 2013

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

## 2014

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$373,895	\$383,909	\$456,964	\$457,729	\$484,657	\$491,911	\$455,629	\$454,995	\$442,808	\$447,128	\$452,169	\$521,522	\$5,423,317
St. Clair	\$354,762	\$395,885	\$460,143	\$436,379	\$458,819	\$470,546	\$426,263	\$434,064	\$445,419	\$433,077	\$446,001	\$591,387	\$5,352,747
Monroe	\$42,321	\$39,665	\$47,587	\$47,796	\$52,206	\$49,022	\$47,357	\$46,167	\$50,056	\$48,920	\$49,552	\$52,714	\$573,362
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249	\$935,226	\$938,283	\$929,126	\$947,722	\$1,165,623	\$11,349,426
Cumulative Total	\$770,978	\$1,590,437	\$2,555,131	\$3,497,036	\$4,492,718	\$5,504,197	\$6,433,446	\$7,368,671	\$8,306,955	\$9,236,081	\$10,183,803	\$11,349,426	
% change/month	-3.01%	0.13%	4.90%	4.03%	3.35%	5.17%	2.99%	1.68%	3.64%	3.98%	2.16%	4.61%	
% change/total	-3.01%	-1.42%	0.88%	1.71%	2.07%	2.62%	2.68%	2.55%	2.67%	2.80%	2.74%	2.93%	2.93%

## 2015

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$399,500	\$390,593	\$446,269	\$464,703	\$481,304	\$486,423	\$453,262	\$461,408	\$460,379	\$462,462			\$4,506,303
St. Clair	\$379,901	\$383,206	\$462,400	\$425,254	\$455,740	\$483,020	\$432,378	\$448,558	\$448,981	\$443,474			\$4,362,910
Monroe	\$42,760	\$39,903	\$45,866	\$47,189	\$50,546	\$48,723	\$47,636	\$45,837	\$46,257	\$46,831			\$461,547
Total Month	\$822,161	\$813,702	\$954,534	\$937,146	\$987,590	\$1,018,166	\$933,276	\$955,803	\$955,617	\$952,766			\$9,330,760
Cumulative Total	\$822,161	\$1,635,863	\$2,590,397	\$3,527,543	\$4,515,133	\$5,533,299	\$6,466,575	\$7,422,377	\$8,377,994	\$9,330,760			
% change/month	6.64%	-0.70%	-1.05%	-0.51%	-0.81%	0.66%	0.43%	2.20%	1.85%	2.54%			
% change/total	6.64%	2.86%	1.38%	0.87%	0.50%	0.53%	0.51%	0.73%	0.86%	1.03%			



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

Beginning Bank Balance December 1		\$	<b>332,282.28</b>
Receipts			
UMB	12/15/2015 Funds Transfer/Admin	8,550.49	
UMB	12/17/2015 Funds Transfer/Construction	776,371.73	
UMB	12/30/2015 Funds Transfer/Construction	368,633.09	
The Bank of Edwardsville	12/31/2015 December Interest	68.57	<b>1,153,623.88</b>
Disbursements			
Sprague & Urban, Attorneys at Law	12/01/2015 Legal Construction Fees	787.50	
CDW Government	12/03/2015 Office Supplies	500.81	
Dorgan, McPike & Assoc, LTD	12/03/2015 Legal Construction Fees	3,000.00	
Smith Dawson & Andrews	12/03/2015 Professional Fees	5,000.00	
CliftonLarsonAllen LLP	12/03/2015 Fiscal Agent	2,812.30	
Walmart	12/07/2015 Office Supplies	28.80	
Microsoft Office	12/07/2015 Subscription	0.99	
Amec Foster Wheeler Environment & Infracore	12/08/2015 Design & Construction	262,956.33	
Columbia Capital	12/08/2015 Financial Advisor	600.00	
Husch Blackwell	12/08/2015 Special Council Representation	7,078.50	
Husch Blackwell	12/08/2015 Real Estate Acquisition	3,021.10	
Husch Blackwell	12/08/2015 Legal Construction Fees	47,698.80	
Husch Blackwell	12/08/2015 Bond Issuance	24,633.90	
Husch Blackwell	12/08/2015 Legal Construction Fees	618.75	
Columbia Capital	12/08/2015 Financial Advisor	24,181.53	
Marks & Associates	12/08/2015 Professional Fees	5,385.00	
Endicia	12/10/2015 Postage	50.00	
LogMeIn, Inc	12/10/2015 Internet subscription	256.78	
The Bank-Service Fees	12/10/2015 Wire Fee	15.00	
Arbitrage Compliance Specialists, Inc.	12/11/2015 Bond Counsel	5,000.00	
AT&T	12/15/2015 Telephone	96.98	
Cost Less Copy Center	12/15/2015 Board Member Materials	256.00	
The Bank-Service Fees	12/15/2015 Wire Fee	10.00	
Keller Construction Inc	12/17/2015 Construction	73,423.73	
The Lane Construction Corporation	12/17/2015 Construction	114,276.68	
TREVIIICOS South	12/17/2015 Construction	175,950.00	
The Bank-Service Fees	12/17/2015 Wire Fee	15.00	
The Bank-Service Fees	12/17/2015 Wire Fee	15.00	
The Bank-Service Fees	12/17/2015 Wire Fee	10.00	
Sprague & Urban, Attorneys at Law	12/23/2015 Legal & Legislative	300.00	
ABNA	12/30/2015 Design & Construction	4,085.10	
Juneau Associates	12/30/2015 Design & Construction	4,487.45	
The Bank-Service Fees	12/30/2015 Wire Fee	10.00	
Keller Construction Inc	12/31/2015 Construction	359,760.54	
The Bank-Service Fees	12/31/2015 Bank Service Charge	17.56	
The Bank-Service Fees	12/31/2015 Wire Fee	15.00	<b>\$ 1,126,355.13</b>
		<b>\$</b>	<b>359,551.03</b>





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Flood Event Activities  
Date: January 15, 2016

The flood event of recent weeks created the need for emergency operations to be put in place in three areas where the Council has construction activities in operation.

Amec Foster Wheeler will discuss each of these situations at the meeting.

**Bid Package 4 – Flood Event Emergency Pumping at Site 9 - \$13,660.00**

On January 1, 2016, the Phillips Reach pump station in MESD, which is a pump station that has been in operation for decades (i.e. not one that the FPD Council has constructed) unexpectedly shut down at the height of the winter 2015/2016 flood event. As a result, the area flooded due to the relief wells backing up water, which was approximately one foot below the top of concrete on the newly constructed (by the FPD Council) Site 9 pump station.

Amec Foster Wheeler came out to run the pump station and as an emergency measure, the Bid Package 4 contractor, Haier Plumbing, was asked to provide emergency pumping in an effort to keep the Site 9 pump station from flooding; had the flooding inundated the Site 9 pump station, the damage to the controls and other appurtenances would have been excessive. Haier Plumbing set up a backup pump and it ran for 6 days, until it was removed on January 6, 2016. It was later determined that the Phillips Reach pump station shut off due to a tripped breaker; MESD commented that the Phillips Reach pump station was “on its last leg”.

**Bid Package 5 – Flood Event Emergency Pumping at Pump Stations Sites 5 & 10 - \$316,936.89**

On December 29, 2015, it was observed that the relief wells surrounding the newly constructed Site 5 pump station were aggressively ponding the area. The Bid Package 5 contractor, Keller Construction, was asked to provide emergency pumping in an effort to keep the Site 5 pump

station from flooding. Had the flooding inundated the Site 5 pump station, the damage to the controls and other appurtenances would have been excessive. Keller Construction set up two backup pumps and started running them on December 29, 2015 and the pumps were operated (and manned) around the clock until January 11, 2016. Additionally, to further mitigate the potential for damage, a berm was built around the Site 5 pump station.

Similarly, on December 31, 2015, Keller Construction was asked to set up a pump near the Site 10 pump station. Keller Construction setup a backup pump and started running it on December 31, 2015; the pump will run until the Mississippi River drops below 20 feet on the St. Louis gage, which is anticipated to be on or around January 22, 2016; this estimate is based on that date. The cost will be charged based on the actual river stage, up to the requested \$316,936.89.

**Recommendation:** Authorize the Chief Supervisor to approve the requested funds for BP #4 for Flood Event Emergency Pumping at Site 9 for \$13,660.00 with Haier Plumbing; and for BP #5 for Flood Event Emergency pumping at Pump Stations Sites 5 & 10 for \$316,936.89 with Keller Construction; for a total not to exceed **\$330,596.89**.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #3 & BP #4

Date: January 15, 2016

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 applies to Bid Package #3 and #4.

We have two change orders on Bid Package #3, and one change order on Bid Package #4 which Amec Foster Wheeler will be explaining at the meeting.

**Bid Package 3 – Construction Obstruction Time & Materials - \$207,016.02**

After USACE input/approval, the 19 relief wells that are yet to be drilled in Bid Package 3 are now being drilled at an average of 15 feet deeper than originally designed, thereby necessitating the need for additional construction obstruction funds. Increasing the Bid Package 3 construction obstruction budget by \$207,016.02 to a total of \$707,016.02 is required in order to complete the relief well work associated with bid package 3. Relief well obstruction change orders were previously approved for Bid Packages 3, 5, and 6 at \$500,000, \$275,000, and \$500,000, respectively, in January and March of 2015. Of the \$1,275,000 approved for relief well obstructions thus far, \$84,787 is unexpended in Bid Package 5 and \$296,659 in Bid Package 6 with the unexpended funds totaling \$381,446. It is worth noting that although an additional \$207, 016.02 is being requested for Bid Package 3, the net result is anticipated to be \$174,446 less than the initial \$1,275,000 that the Board approved in early 2015.

**Bid Package 3 – “D”-Type Relief Wells Deduct – (\$41,539.23)**

Due to construction obstructions, 19 “D”-Type relief wells were shortened to decrease the quantity of construction obstructions time and material cost. A total of 83.28 LF was removed from the relief well makeup and will be deducted at the contract unit rate of \$498.79/LF, for a total credit of \$41,539.23.

**Bid Package 04 – Pipe Material Change - \$82,782.25**

This change order is related to the pipe material change for the relief well collection system from high-density polyethylene (HDPE) pipe to reinforced concrete pipe (RCP). The contractor's initial bid price (in September of 2015) was \$2,882,782.25; the board approved the change order for a slightly less amount, \$2,800,000, at the September 2015 board meeting with the assumption that the cost saving measures being discussed with the USACE at the time would reduce the project cost below \$2.8M. However, after discussing these items with USACE, some cost saving measures were approved, others were not, and some further restrictions and testing were added to the scope of work, thereby adding costs. The contractor has agreed to do the current scope of work for the price initially proposed, which was \$2,882,782.25 (\$82,782.25 higher than the board originally approved back in September of 2015).

Recommendation: Authorize the Chief Supervisor to approve requested change orders for BP #3 for Construction Obstruction Time & Materials in the amount of \$207,016.02 and credit for D"-Type Relief Wells Deduct in the amount of a (\$41,539.23) for a total amount of \$165,476.79 with Keller Construction; and for BP #4 for Pipe Material Change in the amount of \$82,782.25 with Haier Plumbing; for a total not to exceed **\$248,259.04**.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Amec Foster Wheeler Work Order #8 – Amendment 4  
Construction Management

Date: January 15, 2016

With the high river event earlier this year in July and the recent flood event the last few weeks, Amec Foster Wheeler has had personnel working additional time inspecting the Council's construction sites and determining necessary flood protection and operation. There were sufficient funds in the existing Construction Management Work Order to cover the summer event, however, there aren't for the recent flood event. Therefore, an additional \$29,000.00 is requested to cover these costs.

In addition, as the result of the Corps' reevaluation of the 100-year level of protection project, on Bid Packages 2B, 4, and 5, the High Density Polyethylene Pipe (HDPE) pipe is being replaced by Reinforced Concrete Pipe (RCP). Total cost of the change orders for the RCP pipe installation is approximately \$9.3 million. Providing oversight services on these bid packages for the installation of concrete pipe in accordance with the USACE Authorized Level improvements will require an additional \$215,000.00

**Recommendation:** Authorize the Chief Supervisor to execute Amendment 4 to Work Order #8 with Amec Foster Wheeler Environment & Infrastructure Inc. for additional construction management services due to the December/January flood event for \$29,000 and the installation of reinforced concrete pipe in accordance with the USACE Authorized Level improvements for \$215,000, for a total amendment cost of \$244,000.00.



**WORK ORDER NO: MSA01-WO08 AMENDMENT 4  
CONSTRUCTION PHASE SERVICES**

Issued Pursuant to Master Services Agreement Effective **January 20, 2016**,  
By and Between  
Amec Foster Wheeler, Environment & Infrastructure, Inc. (Amec Foster Wheeler)  
and  
**Southwestern Illinois Flood Prevention District Council (CLIENT)**

CLIENT Office:	<u><b>104 United Drive</b></u> <u><b>Collinsville, IL 62234</b></u>	Amec Foster Wheeler Project No:	<u><b>563170001</b></u>
CLIENT Contact:	<u><b>Charles Etwert</b></u>	Work Order Type: (Check One)	
Amec Foster Wheeler Office:	<u><b>15933 Clayton Road</b></u> <u><b>Suite 215</b></u> <u><b>Ballwin, MO 63011</b></u>	Time and Materials (rates attached)	<u><b>X</b></u>
		Fixed Price	<u>                    </u>
Amec Foster Wheeler Contact:	<u><b>Jon Omvig</b></u>	CLIENT Reference No:	<u><b>n/a</b></u>

1. SCOPE OF WORK: **See Attachment A (incorporated herein by reference)**
  
2. LOCATION/CLIENT FACILITY INVOLVED: **Metro - East Sanitary District, Prairie du Pont Drainage and Levee District**
  


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3. PERIOD OF PERFORMANCE: **March 1, 2012 through December 31, 2016**
  
4. AUTHORIZED FUNDING: **\$244,000**
  
5. SPECIAL PROVISIONS: **n/a**

**Southwestern Illinois Flood Prevention District Council**

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

By: \_\_\_\_\_  
Name: **Charles Etwert**  
Title: **Chief Supervisor of Construction and the Works**  
  
Date: \_\_\_\_\_  
Address: **104 United Drive**  
**Collinsville, IL 62234**

By: \_\_\_\_\_  
Name: **Jon Omvig**  
Title: **St. Louis Office Manager**  
  
Date: \_\_\_\_\_  
Address: **15933 Clayton Road, Suite 215**  
**Ballwin, MO 63011**



**Attachment A**  
**Scope of Work**

**WORK ORDER NO: MSA01-WO08**  
**CONSTRUCTION PHASE SERVICES**

**Amec Foster Wheeler Project No: 56317001**

**Scope per Work Order 08**

**AMENDMENT 4 – (01/20/2016)**

**CM for RCP**

Construction oversight services for Bid Packages 2B, 4, & 5 are being added for the installation of concrete pipe in accordance with the USACE Authorized Level improvements.

**Amount in CM for RCP = \$215,000**

**Flood Fighting**

Flood fighting for December 2015 and January 2016 are being added as part of this amendment.

**Amount in Flood Fighting = \$29,000**

**SUMMARY**

<b>Total for Original Agreement</b>	<b>=\$ 27,000</b>
<b>Total for Amendment 1</b>	<b>=\$ 271,000</b>
<b>Total for Amendment 2</b>	<b>=\$2,078,878</b>
<b>Total for Amendment 3</b>	<b>=\$2,806,122</b>
<i>CM For RCP</i>	<i>=\$ 215,000</i>
<i>Flood Fighting</i>	<i>=\$ 29,000</i>
<b>Total for Amendment 4</b>	<b><u>=\$ 244,000</u></b>
<b>Total for Work Order 8</b>	<b>=\$5,427,000</b>





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Resolution of Appreciation  
Date: January 15, 2016

As announced by Chairman Dunstan at the end of last month's meeting, Jim Pennekamp has been appointed to the Metro East Sanitary District Board and will no longer be able to serve on the Council.

Attached is a resolution expressing recognition and appreciation of his distinguished service to the Council.



# **Southwestern Illinois Flood Prevention District Council**

## **RESOLUTION Expressing Recognition and Appreciation to James R. Pennekamp for Distinguished Service In Restoring Flood Protection in the Metro-East**

WHEREAS, James R. Pennekamp has served as a Commissioner on the Madison County Flood Prevention District since its inception in 2008, with reappointments in 2009, 2012, and 2015; and

WHEREAS, he has served on the Board of Directors of the Southwestern Illinois Flood Prevention District Council since its inception in 2009; and

WHEREAS, he has provided outstanding leadership and guidance to the Southwestern Illinois Flood Prevention District Council; and

WHEREAS, he faithfully and with honor, integrity and great distinction served as Secretary/Treasurer, Vice President, and President of the Southwestern Illinois Flood Prevention District Council; and

WHEREAS, his efforts have demonstrated that Counties working together can achieve much; and

WHEREAS, he has always been mindful of the goal of the Southwestern Illinois Flood Prevention District Council of achieving Federal Emergency Management Agency accreditation certifying the Metro-East levees meet federal standards; and

WHEREAS, he has worked tirelessly to avert the threat to classify the area as prone to flooding along with the terrible economic consequences of such action; and

WHEREAS, he has encouraged workforce policies that ensure fair wages and working conditions for project workers, encouraging the use of local workers, and avoiding work stoppages that could delay project completion; and

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

WHEREAS, his leadership helped initiate the restoration of the federally authorized 500-year level of flood protection in the Metro-East providing the region with a higher level of flood protection and economic growth, while simultaneously completing the 100-year level projects.

NOW, THEREFORE, IT IS HEREBY RESOLVED, that the Board of Directors of Southwestern Illinois Flood Prevention District Council formally acknowledges and extends its recognition and appreciation to James R. Pennekamp for his many years of service to the Southwestern Illinois Flood Prevention District Council and his efforts to provide expeditious and cost-effective flood protection to the Metro-East.