



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
July 19, 2017 7:30 am**

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

1. Call to Order  
*Ron Motil, President*
2. Approval of Minutes of June 21, 2017
3. Public Comment on Pending Agenda Items
4. Program Status Report  
*Chuck Etwert, Chief Supervisor*
5. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
6. Design and Construction Update  
*Jay Martin, Amec Foster Wheeler*
7. Draft FY 2018 Flood Prevention District Council Budget  
*Chuck Etwert, Chief Supervisor*
8. Change Orders – BP #2B & BP #4  
*AMEC Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
9. Update from Corps of Engineers  
*Tracey Kelsey, U.S. Army Corps of Engineers*

**AGENDA**

10. Public Comment

Executive Session – (if necessary)

11. Other Business

12. Adjournment

**Next Meeting: August 16, 2017**

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING June 21, 2017

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 June 21, 2017.

#### Members in Attendance

Ron Motil, President (Chair, Madison County Flood Prevention District)  
John Conrad, Secretary/Treasurer (Chair, Monroe County Flood Prevention District)  
Bruce Brinkman, Monroe County Flood Prevention District  
Tom Long, Madison County Flood Prevention District  
Debra Moore, (Chair, St. Clair County Flood Prevention District)  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
Jeremy Plank, Madison County Flood Prevention District

#### Members Absent

Paul Bergkoetter, Vice President (St. Clair County Flood Prevention District)  
Ronald Polka, Monroe County Flood Prevention District

#### Others in Attendance

Robert Elmore, Monroe County Board Chair  
Kurt Prenzler, Madison County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
David Busse, U.S. Army Corps of Engineers  
Randy Cook, Amec Foster Wheeler Environment & Infrastructure  
Mike Feldmann, U.S. Army Corps of Engineers  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Phil Johnson, Phil Johnson Realtor  
Ronald S. Kaempfe, IUOE Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Kevin Koenigstein, Monroe County Treasurer  
Lance Lunte, Lochmueller Group  
Jay Martin, Amec Foster Wheeler Environment & Infrastructure  
Jack Norman, Illinois Groundwater Advisory Council  
David Oates, Oates Associates  
Jon Omvig, Amec Foster Wheeler Environment & Infrastructure

Brad Ruppert, Senator Dick Durbin  
Matt Vielhaber, U.S. Army Corps of Engineers

**Call to order**

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

Mr. Motil asked for a roll call to confirm that a quorum was present and the following indicated their attendance.

Mr. Polka - absent  
Mr. Brinkman – Present  
Mr. Bergkoetter - absent  
Mr. Conrad - Present  
Mr. Long – Present  
Dr. Moore – Present  
Mr. Motil – Present  
Mr. Parks – Present  
Mr. Plank - Present

A quorum was present.

**Approval of Minutes of May 17, 2017**

Mr. Motil asked for a motion to approve the minutes of the Board meeting held on May 17, 2017. A motion was made by Mr. Parks, seconded by Mr. Long, to approve the minutes of the Board meeting held on May 17, 2017. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

**Public Comment on Pending Agenda Items**

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

### **Program Status Report**

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

He indicated, approximately 95.6% of the \$74.4 million of construction, involved in all ten current construction bid packages, has been completed thru May. The amount of work completed during the month was only \$83,497. The total amount of construction completed is \$71.1 million. There is just under 3.3 million dollars' worth of 100-Year accreditation construction remaining to be completed.

The recent flooding has curtailed almost all construction, with contractors waiting for the river to recede to an acceptable working level. The current river elevation is 19.5 feet and an elevation of 12.0 feet is needed. Major items still needing to be completed are the East St. Louis 126 Inch Sewer Rehabilitation, the MESD clay cap, and the few remaining relief wells.

As you are aware, the Corps of Engineers received \$31.7 million of FY2017 Work Plan funds for Wood River and zero funds for East St. Louis. The Council continues to work with our congressional representatives seeking a better distribution of these funds. He indicated that there was a meeting schedule for later today between congressional leaders and the Corps of Engineers.

He indicated that he had heard that Senator Duckworth's office was concerned that the Council's request, was a request for additional funds. He stressed that the Council wasn't asking for more funds just a better allocation of the funds. Wood River wouldn't be able to use the total amount allocated in the next two years and the Corps has a project already designed in East St. Louis where the funds could be utilized.

In the Prairie Du Pont/Fish Lake area, where the Corps has no funding, the Corps is looking at utilizing a Section 214 agreement as allowed by the Federal Water Resources Development Act of 2000, as amended by Public Law 111-315, which would allow the Corps to accept and expend funds contributed by the Council for Section 408 review and oversight. Amec Foster Wheeler and Husch Blackwell are currently reviewing the agreement, which requires a thirty public notice.

He indicated that once the agreement had been finalized and the public notice completed, that he would be coming back to the Board for an authorization of funds for the Corps to provide review and oversight.

The Corps of Engineers has informed the Council that there will be a Change of Command Ceremony on June 30<sup>th</sup>, with Colonel Bryan K. Sizemore assuming command from Colonel Anthony P. Mitchell as Commander of the St. Louis Engineer District.

The Board was provided a copy of Amec Foster Wheeler's Monthly Progress Report for June.

Mr. Plank asked if Senator Duckworth had provided any other feedback on the Council's request. Mr. Etwert indicated none to his knowledge, and the concern of the request being for additional funds, was heard thru a third party. All congressional leaders were in receipt of the letter, and hopefully the Council will hear something soon.

Mr. Prenzler asked what the purpose was of the \$31 million dollars that was allocated to Wood River. Mr. Etwert explained that it was for the completion of all deficiencies currently known. The Corps currently has the next section of the Wood River Deep Cutoff Wall designed, which could utilize funds, however, no other projects can be built until the Risk Assessment and Supplemental Report are completed. The Risk Assessment and Supplemental Report were recently required when it was determined that the estimated costs in Wood River were increasing by more than twenty percent of the amount estimated in 2011. The process of completing both is expected to take 18 to 24 months.

The Corps will only be able to utilize \$15 to \$17 million on the deep cutoff wall, which leaves the remaining amount unable to be used for up to two years. At the same time the Corps has already designed the Cahokia Relief Wells Project, which is needed as part of the elimination of the East St. Louis deep cutoff wall as a result of the installation of the reinforced concrete pipe.

He confirmed that the Wood River Deep Cutoff Wall and the Cahokia Relief Wells are part of the Authorized Level of Protection. All projects needed for the 100-Year Level have either been completed or are under construction. The only construction left is the 126 Inch Sewer Repair in East St. Louis, the MESD Clay Cap, and a few relief wells in Wood River. Future funding requests will involve the Authorized Level.

Mr. Etwert's comments were confirmed by Ms. Kelsey.

Mr. Motil asked for a motion to accept the Program Status Report for June 2017. A motion was made by Mr. Brinkman to accept the Program Status Report for May 2017. Mr. Parks seconded the motion with an additional question.

He asked Mr. Etwert to explain the distribution of funds between Wood River and East St. Louis.

Mr. Etwert explained, based on the projects the Corps had designed and the estimated funds they could utilize in the next year, it was hoped that both Wood River and East St. Louis would each receive \$15 million dollars. Unfortunately, unknown to the Council and the St. Louis District, the Corps received \$31.7 million dollars in Wood River and \$0 dollars in East St. Louis. The Corps cannot utilize all \$31.7 million in Wood River in the next two years due to needing to complete the Risk Assessment and Supplemental Report. They will only be able to utilize about half of the funds on the Wood River Deep Cutoff Wall, which means that the rest of the funds will just sit and not be utilized for at least two years.

The Council has requested the areas' congressional representatives to request that \$15 million dollars be reallocated to East St. Louis, where it can be utilized within the next year. With Wood River receiving future funds, when it is determined what is actually needed for the Authorized Level. The Council isn't requesting any additional funds, only a reallocation of funds, which would allow for quicker utilization and construction of Authorized Level improvements.

Mr. Prenzler inquired about the performance of the levees during the last flood event. Mr. Etwert indicated that all of the Council's projects performed as designed and no problems were experienced.

Mr. Motil indicated the performance of the levees was discussed last month and the Council was pleased with the results. Mr. Etwert indicated that the flood event was a good test, since the event was the sixth highest on record.

Mr. Prenzler asked if Mr. Etwert had an opinion on climate change & rain events and the rivers being leveed up. Mr. Etwert indicated that he wasn't a climate expert, but it is a fact that more events have occurred, not just locally but throughout the country. Rain events are more concentrated in a shorter period of time.

Regarding recent newspaper articles concerning the raising of levees, Mr. Etwert stressed that the Council is stabilizing the levees against seepage either thru or underneath. The work the Council is doing along the sixty four mile of levees, does not involve the raising of any levee. The Council is not forcing the water to go somewhere else. The work being done either prevents seepage thru the levee or controls the flow that does manage to get thru or underneath the levees.

Unfortunately, the public thinks improving a levee means raising the height of a levee. This is not what the Council is doing, the Council is stabilizing the levees without increasing their height.

Lastly, the recent rain events on the Meramec River (the highest) and the Mississippi River (the 3<sup>rd</sup> and sixth highest) were discussed.

Mr. Motil stated that there was a motion with a second and asked for a roll call vote. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

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

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

Mr. Etwert noted that the financial statement for May 2017 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 May 31, 2017, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2016 are \$27,165,173 while revenues amounted to \$8,173,909 resulting in a deficit of \$18,991,264. A total of \$29,192,280 is now held by the counties in their respective FPD sales tax funds, is available for the Council's use on the project, and will be used once all bond issuance funds have been expended.

Monthly sales tax receipts of \$1,029,226 for March 2017 (the latest month reported by the Illinois Department of Revenue) were up 3.39% from last year. This is the highest amount ever collected in March and is the fifth month in a row with the highest receipts collected for that particular month. Receipts are up 2.63% from last year, which was our highest year.

The report included bank transactions for May 2017. Total disbursements for the month were \$1,009,043.06. The largest payments were to Haier Plumbing for BP #4, SAK Construction LLC for BP #5A, and Amec Foster Wheeler.

Also, for the Board's review and anyone else who was interested, Mr. Etwert provided copies of each requisition, which was represented on the May 2017 Bank Transaction Schedule prepared by CliftonLarsonAllen.

Mr. Etwert recommended that the Board accept the budget report and disbursements for May 2017.

Mr. Motil asked for a motion to accept Mr. Etwert's budget report and disbursements for May 2017. A motion was made by Dr. Moore, seconded by Mr. Parks, to accept the budget report and approve the disbursements for May 2017. Mr. Conrad called the roll and the following votes were made on the motion:

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



Mr. Parks – Aye  
Mr. Plank - Aye

The motion was approved unanimously.

### **Design and Construction Update**

Mr. Motil called on Jay Martin, Amec Foster Wheeler’s program manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. He mentioned recent high river levels had limited the amount of work completed during the last month. His presentation focused on the construction status of each bid package, FEMA Certification Update, and the Authorized Level (500-Year) Design as follows:

### **Construction Status**

**High river levels restricted work on all bid packages this month**

**This event was the 6<sup>th</sup> highest crest on record**

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

- Pipe Replacement work is Substantially Complete
- Work that remains to be completed:

Punch List

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

- Project is Substantially Complete.
- Replacement of the Hawthorne 24” Sluice Gate is Complete
- Work that remains to be completed:

Abandonment of 6 relief wells

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

- Pipe Replacement work is Substantially Complete
- Abandonment of 22 existing Relief Wells is complete

- Work that remains to be completed:
  - 8 New Piezometers
  - Abandonment of 4 Piezometers
  - Finish Grading & Turf Establishment
  - Punch List

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

- Pipe Replacement work is Substantially Complete
- Work that remains to be completed:
  - Punch List
  - Clay Cap – Will begin Spring/Summer 2017 as weather and river levels allow.

#### **Bid Package 5A – East St. Louis Sewer**

- The contractor will mobilize as river levels allow to complete the East St. Louis sewer liner.

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

- Project is Substantially Complete
- Four relief wells remain to be installed. The contractor will re-mobilize as river levels allow.

#### **Cost to Complete Remaining Work**

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

- Pump Station Sites: 05, 10, 12, 16 = \$4,406

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

- Hawthorne Sluice Gate & RW Abandonments = \$23,531

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

- RCP Replacement = \$91,030
- Base Scope (PZ's, RW Abandonments & Site Restoration) = \$144,826

**Bid Package 5 – MESD Seepage Improvements**

- Base Scope (Clay Cap & Site Restoration) = \$2,056,735

**Bid Package 5A – East St. Louis Sewer Liner**

- ESL Sewer Liner = \$499,355

**Bid Package 7B – Wood River Lower (Deep) Cut-off Wall**

- Relief Wells & Site Restoration = \$430,228

Next he presented the river level charts for Bid Packages 5A and 7B which reflected the continued high river elevations, as previously mentioned in Mr. Etwert's progress report.

**Construction Photos**

**Bid Package 3 – Wood River – Hawthorne Sluice Gate**

**Bid Package 4 – MESD – Existing Relief Well Abandonment**

**Bid Package 5 – MESD – Site 10 Collector System**

**Bid Package 5 – MESD – Site 16 Collector System**

**Bid Package 7B – Wood River – Backwater Preventing RW Install**

He next discussed the FEMA Certification packages.

**FEMA Certification Update**

**Upper Wood River**

- Submitted

### **Wood River East & West Forks**

- Submitted

### **Lower Wood River**

- Awaiting completion of 4 relief wells in bid package 7B
- Efforts are underway preparing the package

### **MESD**

- Pending completion of Bid Packages 2B, 4, 5, & 5 A
- Construction completion 3<sup>rd</sup> Quarter 2017
- Submit required documents to USACE by Dec 31, 2017

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

- Construction is complete
- Submit to FEMA 2nd Quarter of 2017
- Efforts are underway preparing the package

Lastly, Mr. Martin discussed the status of the Authorized Level (500-Year) Design.

### **Authorized Level (500-Year) Design**

#### **Wood River – Bid Packages 8, 9, and 10**

- Bid Package 8 (65% design) is underway, VE Study is forthcoming
- Bid Packages 9 & 10 on hold pending USACE risk review

- LWR Risk Assessment Meetings EOE Meetings scheduled for July 10-14 and Aug 14-18

**MESD – Bid Packages 11, 12/13, and 14**

- Bid Package 11 – On Hold, pending USACE risk informed solution
- Bid Packages 12/13 – On Hold, pending USACE risk informed solution
- Bid Package 14 – VE Study Complete, finishing up design

**PdP/FL**

- Drilling has restarted as June 12 after flood delay
- USACE re-evaluating remaining PdP. Estimated completion this month.
- USACE determined Section 214 Agreement is best way to continue reviewing PdP/FL designs.
- PdP/FL survey is underway

Mr. Motil asked if there were any questions of Mr. Martin. There were none.

Mr. Motil asked for a motion to accept Mr. Martin’s Design and Construction Update report. A motion was made by Mr. Parks, with a second by Mr. Long, to accept the Amec Foster Wheeler Design and Construction Update report. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

**Change Orders – BP #4 & BP #5**

Mr. Motil asked Mr. Randy Cook of Amec Foster Wheeler to explain the change orders.

Mr. Cook explained 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. He then explained the following two change orders for BP #4 (a credit) and BP #5 (a credit).

**Bid Package 04 – Relief Well Conversions Concrete Seals – (\$45,712.50)**

In March 2017 the Board approved a change order for “Bid Package 04 – Relief Well Conversions Concrete Seals” in the amount of \$51,807.50. As originally presented in the March 2017 board meeting, 17 relief wells may have required a concrete seal modification. As noted in March, the total amount requested assumed the worst-case scenario that all 17 relief wells required this modification. Construction of these relief wells is now complete and the contractor was only required to modify 2 of the 17 relief wells. The contractor has been issued a change order for the completed work in the amount of \$6,095.00, which is \$45,712.50 less than approved by the Board in March. The unused portion of the March 2017 change order is presented here as a credit in the amount of \$45,712.50.

DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
March 2017 RW Seal Modifications	17	EACH	\$3,047.50	\$51,807.50
Actual RW Seal Modifications	2	EACH	\$3,047.50	\$6,095.00
May 2017 Change Order total:				(\$45,712.50)

**Bid Package 05 – HDPE Balancing Quantities – (\$8,525.96)**

The installed length of 12” pipe was less than the design length. This change order balances the quantity.

BID ITEM	DESCRIPTION	UNIT PRICE	CONTRACT QTY	ACTUAL QTY	TOTAL
5.12	HDPE PIPE – 12 INCH	\$90.75/LF	2,696.00 LF	2,602.05 LF	(\$8,525.96)

Mr. Motil asked for a motion to approve the requested change orders for Bid Package 04 – Relief Well Conversions Concrete Seals in the credit amount of \$45,712.50 with Haier Plumbing for a total credit not to exceed \$45,712.50, and Bid Package 05 – HDPE Balancing Quantities in the credit of \$8,525.96 with Keller Construction for a total credit amount of \$54,238.46.

A motion was made by Mr. Long, with a second by Mr. Brinkman to approve the requested change orders, as recommended by the Chief Supervisor, for Bid Package 04 – Relief Well Conversions Concrete Seals in the credit amount of \$45,712.50 with Haier Plumbing for a total credit not to exceed \$45,712.50, and Bid Package 05 – HDPE Balancing Quantities in the credit of \$8,525.96 with Keller Construction for a total credit amount of \$54,238.46.

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

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

The motion was approved unanimously.

The following pending change orders were also provided to the Board.

Pending Change Orders:

**Bid Package 05 – Hybrid Clay Cap Topsoil (Cost unknown)**

A Change order may be needed to compensate for any additional topsoil that needs to be hauled in to cover a revised clay cap design. It is assumed that the material that is being excavated from the levee will be suitable for reuse as topsoil, but in the event that it is unsuitable, clean topsoil will need to be imported at a cost to the FPD Council. This is pending completion of the clay cap, and will be towards the end of the project. Estimated to be presented in 2017.

**Bid Package 7B – Relief Well 1038D Abandonment**

A change order may be necessary to abandon a failed relief well installation.

### **Risk Informed Design Process – East St. Louis Design Deficiency Project**

Mr. Motil gave the floor to Ms. Kelsey, at which time, Mr. Etwert volunteered to explain the issue.

He indicated, with the Council completing projects required for FEMA accreditation and designing Authorized Level projects, additional permeability and topographic data has been obtained allowing the Corps to reanalyze the solutions needed for the Authorized Level. This reanalysis has allowed for the elimination of a portion of the deep cutoff wall. In other areas, it has resulted in the increase of relief wells, seepage berms, collector systems, and cutoff walls.

With these additional solutions potentially offsetting the previously anticipated cost savings, the Corps wants to utilize what is known as a Risk Informed Process to determine which projects (based on vulnerability and effect) should be completed first, to achieve the most effective use of available funds. It has always been the Council charge to build the most cost effective projects first.

In the past the Corps looked at a system in general when accessing a risk factor, now they will be providing a risk factor for individual hazards or segments.

The determination of individual project risk factors could change project priorities and design responsibilities between the Corps and AMEC Foster Wheeler. Amec Foster Wheeler and I will be meeting with the Corps next Tuesday to discuss.

Since this is a change, which could result in the Corps and Amec Foster Wheeler designing different projects, Mr. Etwert felt it best that the Corps present this new process to the Council.

Mr. David Busse of the Corps of Engineers proceeded to explain the Risk Informed Design Process. First confirming what Mr. Etwert had said and then indicating that this is really what the Council and Amec Foster Wheeler had been asking the Corps to do all along, with the thought that the Corps was over designing everything by using the exact design standard everywhere. That there were other methods that could be utilized.

He referred to FEMA originally not certifying a levee if there were sand boils, where flood fighting would be required, which is a very exacting standard. The Corps knows a sand boil isn't the end of the world. Should money really be spent to eliminate all sand boils? Building a levee that never has any sand boils would be very expensive.

The Corps is now going to utilize a Risk Informed Decision, when designing and put the money where the risk is the greatest. A sand boil isn't the biggest risk, but having a pipe that is ready to collapse is. The intent is to put the money where it lowers the risk the most. There will never be a perfect levee. To be perfect, a levee would have to go down to bedrock, be concrete, and be fifty feet wide, all of which would make it unaffordable.



So the Corps is seeing an opportunity to put the money available in the parts of the levee where it reduces the risk the most. Where the most informed decision can be made.

He correlated a Risk Informed Decision regarding the repair of a daughter's automobile's cracked rearview mirror vs. bad brakes, where the brakes definitely are a safety issue needing to be fixed and the rearview mirror doesn't necessarily need to be fixed. Under the old standard, funds would be spent fixing both to exact original conditions. Under the Risk Informed Decision process only funds would spent fixing the bad brakes, thereby reducing the risk and allowing additional funds to be spent where needed.

With the old standards the Corps would design an agricultural levee to the same standard that a levee protecting East St. Louis would be designed. We need to build levees that protect people better than those that protect corn fields. Now the Corps will be looking at what the levee protects.

In many cases, that may lower the cost, but this isn't the driving factor. The driving factor is putting the money where it lowers the risk the most. The Corps is still driving towards the full 54- foot solution (Authorized Level), and nothing changes on that point. It is where we put the money to lower the risk.

Mr. Motil inquired how this new process squared with FEMA. Mr. Busse indicated that the Corps had met with FEMA, and as part of the overall plan of the Corps and FEMA working together as requested by Congress, FEMA has agreed on the new process and both organizations have agreed on the inclusion flood fighting.

Dr. Moore inquired if this was a system-wide approach or specific to East St. Louis. Mr. Busse indicated that this process would be utilized throughout the nation. It's the Corps' new way of doing business. The Corps, just like Counties, doesn't have unlimited funds, so it's trying to figure out where to best place the money it has, to lower the risk, especially where there is a large population behind the levee. More money will be spent on areas that protect people and less on areas that don't protect people.

Mr. Etwert indicated that the effect on the Council is that some current designs that are almost done will probably be completed, but others that are in the early stage of design will be reviewed for risk and determine if they or other projects are best to reduce risk. There could be changes to the bid packages currently under design or there may be new bid packages developed where funds would be spent.

Mr. Motil asked for a motion to accept the Risk Informed Design Process for the East St. Louis Design Deficiency Project. A motion was made by Mr. Parks, with a second by Mr. Long, to accept the Risk Informed Design Process for the East St. Louis Design Deficiency Project. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Polka - absent

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

The motion was approved unanimously.

**Accelerated Cost-Share Funds to the Corps of Engineers for the Design Deficiency Project Corrections for East St. Louis, Illinois Flood Protection Project Improvements for the Authorized Level of Flood Protection**

Mr. Motil asked Mr. Etwert to explain.

Mr. Etwert explained on February 15, 2017, the Council approved providing \$5,700,000 in cash cost share funds for the anticipated FY17 Work Plan and/or FY18 President's budget allocation for the East St. Louis Design Deficiency Project. Unfortunately, as previously mentioned today, the East St. Louis project did not receive an allocation of funds in either the Work Plan or the President's budget.

As you are aware, Wood River did receive an allocation in excess of what can be utilized in the next two years, and the Council has requested that the excess be reallocated to the East St. Louis project.

In the meantime, in order to keep the Authorized Level design process moving forward, the Corps per our existing Project Partnership Agreement is requesting the Council to provide accelerated cost share funds to continue design deficiency project activities.

The Corps is requesting \$1,297,000 of accelerated cost share funds to continue risk informed design and oversight of the Council's design and construction of Authorized Level Projects.

Authorization of these cost-share funds will allow the Authorized Level Projects to proceed in East St. Louis. None of these funds are needed for the completion of the 100-Year Level projects. The 100-Year projects are totally funded by the Council.

The accelerated cost-share funds provided to the Corps would be utilized on Corps labor for design or oversight of Council activities, not Corps construction contracts. The accelerated funds provided would go towards satisfying the Corps overall 5% cash requirement for the East St. Louis project.

Similar to the original request, half the funds would be paid now and the remaining half in September. The Council has requested and the Corps has agreed to provide the Council monthly

reports detailing the expenditure of Council funds. The September payment to the Corps will be dependent on receipt of the monthly reports, indicating funds are being spent as agreed upon.

This appropriation is required, if the Council wants to continue making progress on the Authorized Level. As previously indicated, the Corps controls the Authorized Level and anything done to achieve it requires their oversight. Without these funds, the Corps' oversight of the Council's design and construction would come to a halt. It is important that the authorization be approved to continue making progress towards the Authorized Level of Protection.

A copy of the Corps' request for funding was provided to the Board.

Dr. Moore asked if this request would be needed if there was a reallocation of some of the Wood River funds. Mr. Etwert explained the accelerated cost-share funds provided to the Corps would be utilized on Corps labor for design or oversight of Council activities, not Corps construction. The Wood River funds being requested to be allocated were for East St. Louis construction. These funds will go towards satisfying the Corps' overall 5% cash requirement for the East St. Louis project.

This authorization will allow the Council to continue designing projects which the Council could build even if the Corps doesn't receive additional funding.

Mr. Motil asked for a motion to authorize the Chief Supervisor to provide a total of \$1,297,000 as accelerated cost-share funds to the Corps of Engineers for design deficiency project activities in accordance with the existing Project Partnership Agreement for the East St. Louis Design Deficiency Project. A motion was made by Mr. Long, with a second by Mr. Parks, to authorize the Chief Supervisor to provide a total of \$1,297,000 as accelerated cost-share funds to the Corps of Engineers for design deficiency project activities in accordance with the existing Project Partnership Agreement for the East St. Louis Design Deficiency Project. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

## **Corps of Engineers Update**

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

Ms. Kelsey provided an update of the current activities of the Corps using a PowerPoint® presentation to illustrate her remarks. Her presentation focused on the status of the Metro East Projects as follows:

## **USACE UPDATE**

### **Project Status**

- Change of Command occurs June 30, 2017
  - COL Bryan Sizemore assuming command from COL Anthony Mitchell
- Washington, D.C. Visit June 21, 2017
- Wood River Upper Shallow Cutoff Wall
  - Wall is complete
  - Levee rebuild complete
  - Site restoration continues
  - Substantial Completion June 2017
- Prairie du Pont / Fish Lake
  - Met on May 18 to discuss scope of USACE participation in PdP/FL
  - Develop Draft 214 Agreement
  - Based on river levels, field exploration can resume
- FY17 Work Plan/ FY18 President's Budget

- Information released May 24, 2017

	FY17 Work Plan	FY18 President's Budget
Wood River	\$31,700,000	\$0
Mel Price	\$0	\$0
East St. Louis (MESD)	\$0	\$0
Prairie du Pont/Fish Lake	\$0	\$0

- Wood River

- FPD approved providing \$5,855,000 in cash cost share on February 15, 2017
- \$455,000 provided March, 2017
- Request balance, \$5,400,000 be provided by July 29, 2017
- Activities include construction of deep cutoff wall (Fed Funds), risk assessment/supplemental report, oversight of WIK activities
- Construction contract award targeted for late September 2017

- East St. Louis Risk Informed Design Process

- ESTL risk assessment completed January 2017
- Risk analysis allows better informed decisions
- Utilize risk informed process to determine investment

- East St. Louis Accelerated Funds

- No FY17 WP or FY PB funds provided
- Requesting Accelerated funds to continue project advancement

- FPD approved providing \$5,700,000 in cash cost share on February 15, 2017
- Requesting \$1,297,000 in accelerated funds
- Activities include continued risk informed design of underseepage controls and collaborative design activities on WIK efforts

- Mel Price

- FY17 design activities coming to a stop due to lack of funds
- Pending funding, could award construction contract in FY18
- Working to identify source of funds for future IOP execution

Mr. Etwert inquired if it was still a million dollars each time the IOP had to be utilized. Ms. Kelsey indicated that it varies depending the level of engagement. The last time airlift pumping wasn't necessary and the cost was about \$146,000.

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

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

The motion was approved unanimously.

**Public Comment**

Mr. Motil asked if there is any public comment.

Chairman Prenzler indicated he wanted to introduce the new Executive Director of MESD, Mr. Steve Adler and new MESD Board member Mr. Don Sawicki from Granite City. Mr. Motil welcomed both of them.

There were no other public comments.

Mr. Motil asked to adjourn the public session and convene an executive session regarding the review of executive minutes, which is done semi-annually, to determine which if any can be released to the public. He indicated that no action, other than the release of executive session minutes no longer requiring confidential treatment, would be taken upon reconvening the public session, and the public was welcomed to stay for when the public session was reconvened.

Dr. Moore made a motion at 8:19 a.m. to convene a closed session under Open Meetings Act 5 ILCS 120/2 (c) (21) for the purpose of performing the semi-annual review of executive session minutes for confidentiality as required by 5 ILCS 120/2.06(d). The motion was seconded by Mr. Parks. It was indicated that all Board members and County Board Chairs should be present, along with Husch Blackwell and Chuck Etwert. Mr. Conrad called the roll and the following votes were made on the motion:

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

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

Mr. Parks left the executive session at 8:26 a.m.

Mr. Motil asked for a motion to adjourn the executive session and reconvene the public session.

Dr. Moore made a motion to adjourn the executive session and reconvene the public session at 8:27 a.m. Mr. Conrad seconded the motion. Mr. Conrad called the roll and the following votes were made on the motion:

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

Mr. Conrad - Aye  
Mr. Long – Aye  
Dr. Moore – Aye  
Mr. Motil – Aye  
Mr. Parks – absent  
Mr. Plank – Aye

The motion was approved unanimously.

Mr. Motil called the meeting to order.

### **Semi-Annual Release of Executive Session Minutes**

Mr. Motil stated pursuant to 5 ILCS 120/2.06 (d) the Board of Directors of the Southwestern Illinois Flood Prevention District Council reviewed the subject matter and discussion of the following meetings and now report in open session that the minutes of these meetings no longer required confidential treatment and are available for public inspection at the Council’s office:

February 18, 2015*	November 18, 2015*	September 21, 2016*
March 18, 2015*	February 17, 2016*	October 14, 2016*
April 15, 2015*	June 15, 2016*	November 16, 2016*
May 20, 2015*	July 20, 2016*	December 21, 2016*
June 17, 2015*	August 17, 2016*	January 18, 2017
July 15, 2015		

\* Include redactions, where the necessity of keeping some information closed still exists.

Furthermore, the need for confidentiality still exists as to all or part of the following meeting minutes:

March 15, 2017	May 17, 2017
----------------	--------------

These minutes as stated, will be available in the Council’s office.

Mr. Motil asked for a motion to accept the public statement which identifies the minutes of the meetings which no longer require confidential treatment and can be released, and the meeting minutes where the need for confidentiality still exists as to all or part of the meeting minutes.



A motion was made by Dr. Moore, with a second by Mr. Brinkman to accept the public statement which identifies the minutes of the meetings which no longer require confidential treatment and can be released, and the meeting minutes where the need for confidentiality still exists as to all or part of the meeting minutes. Mr. Conrad called the roll and the following votes were made on the motion:

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

### **Other Business**

There was a brief summary regarding flooding by Mr. David Human.

### **Adjournment**

A motion was made by Mr. Long, seconded by Mr. Plank to adjourn the meeting. Mr. Conrad called the roll and the following votes were made on the motion:

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

Respectfully submitted,

John Conrad,  
Secretary/Treasurer, Board of Directors





## Progress Report June 21, 2017

### Southwestern Illinois Levee Systems

By Jay Martin



## Construction Status



- ▶ High river levels restricted work on all bid packages this month
- ▶ This event was the 6<sup>th</sup> highest crest on record
  
- ▶ Bid Package 2B – WR/MESD/PdP Pump Stations
  - ▶ Pipe Replacement work is Substantially Complete
  - ▶ Work that remains to be completed:
    - ▶ Punch List
  
- ▶ Bid Package 3 – Wood River Seepage Improvements
  - ▶ Project is Substantially Complete.
  - ▶ Replacement of the Hawthorne 24" Sluice Gate is Complete
  - ▶ Work that remains to be completed:
    - ▶ Abandonment of 6 relief well



## Construction Status

---

- ▶ Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)
    - ▶ Pipe Replacement work is Substantially Complete
    - ▶ Abandonment of 22 existing Relief Wells is complete
    - ▶ Work that remains to be completed:
      - ▶ 8 New Piezometers
      - ▶ Abandonment of 4 Piezometers
      - ▶ Finish Grading & Turf Establishment
      - ▶ Punch List
  
  - ▶ Bid Package 5 – MESD Seepage Improvements
    - ▶ Pipe Replacement work is Substantially Complete
    - ▶ Work that remains to be completed:
      - ▶ Punch List
      - ▶ Clay Cap – Will begin Spring/Summer 2017 as weather and river levels allow.
- 

3



## Construction Status

---

- ▶ Bid Package 5A – East St. Louis Sewer
    - ▶ The contractor will mobilize as river levels allow to complete the East St. Louis sewer liner.
  
  - ▶ Bid Package 7B – Wood River Lower (Deep) Cut-off Wall
    - ▶ Project is Substantially Complete.
    - ▶ Four relief wells remain to be installed. The contractor will re-mobilize as river levels allow.
- 

4

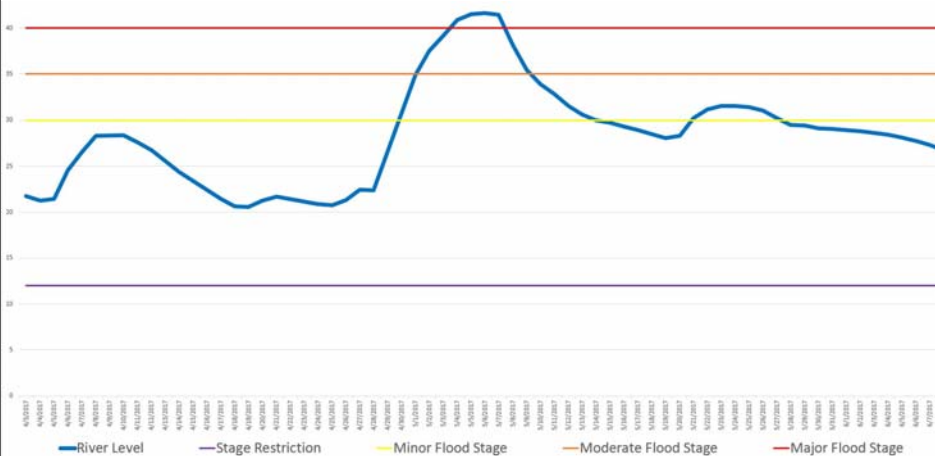


## Cost to Complete Remaining Work

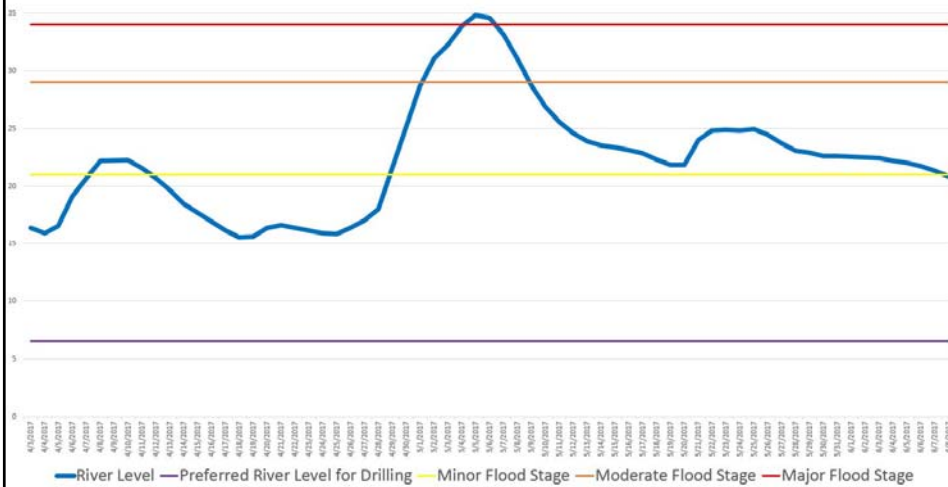
- ▶ Bid Package 2B – WR/MESD/PdP Pump Stations
  - ▶ Pump Station Sites: 05, 10, 12, 16 = **\$4,406**
- ▶ Bid Package 3 – Wood River Seepage Improvements
  - ▶ Hawthorne Sluice Gate & RW Abandonments = **\$23,531**
- ▶ Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)
  - ▶ RCP Replacement = **\$91,030**
  - ▶ Base Scope (PZ's, RW Abandonments & Site Restoration) = **\$144,826**
- ▶ Bid Package 5 – MESD Seepage Improvements
  - ▶ Base Scope (Clay Cap & Site Restoration) = **\$2,056,735**
- ▶ Bid Package 5A – East St. Louis Sewer Liner
  - ▶ ESTL Sewer Liner = **\$499,355**
- ▶ Bid Package 7B – Wood River Lower (Deep) Cut-off Wall
  - ▶ Relief Wells & Site Restoration = **\$430,228**



## Recent River Levels (Bid Package 5A)



## Recent River Levels (Bid Package 7B)



7

## Bid Package 3 – Wood River



Hawthorne Sluice Gate



8

## Bid Package 4 – MESD



Existing  
Relief Well  
Abandonment



9

## Bid Package 5 – MESD



Site 10  
Collector  
System



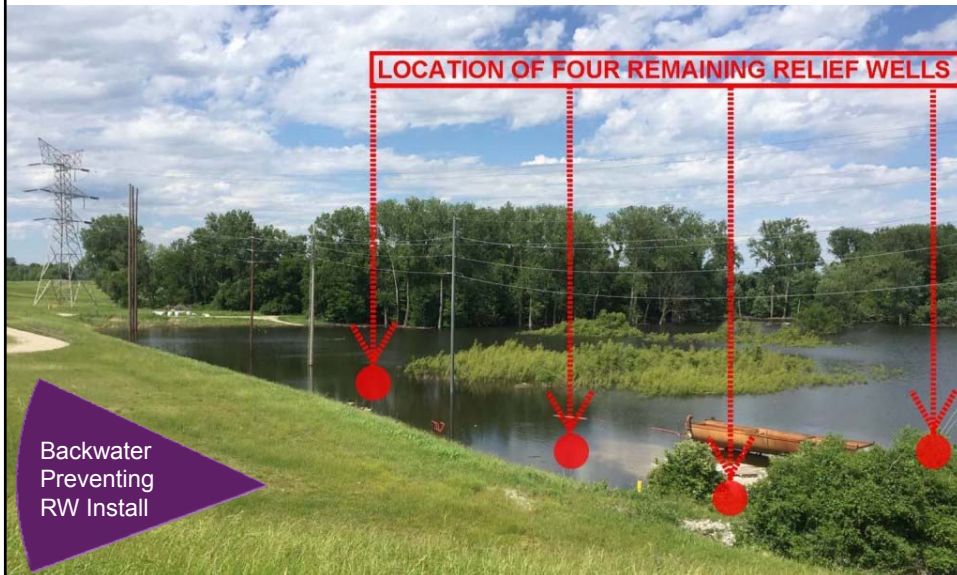
10

## Bid Package 5 – MESD



Site 16  
Collector  
System

## Bid Package 7b – Wood River



Backwater  
Preventing  
RW Install





## FEMA Certification Update

---

- ▶ Upper Wood River
  - ▶ Submitted
  
- ▶ Wood River East & West Forks
  - ▶ Submitted
  
- ▶ Lower Wood River
  - ▶ Awaiting completion of 4 relief wells in bid package 7B
  - ▶ Efforts are underway preparing the package



## FEMA Certification Update

---

- ▶ MESD
  - ▶ Pending completion of Bid Packages 2B, 4, 5, & 5A
  - ▶ Construction Completion 3<sup>rd</sup> Quarter 2017
  - ▶ Submit required documents to USACE by Dec 31, 2017.
  
- ▶ Prairie du Pont & Fish Lake
  - ▶ Construction is complete
  - ▶ Submit to FEMA 2<sup>nd</sup> Quarter of 2017
  - ▶ Efforts are underway preparing the package

## Authorized Level (500-Year) Design

### Wood River – Bid Packages 8, 9 and 10

- Bid Package 8 (65% design) is underway, VE Study is forthcoming
- Bid Packages 9 & 10 on hold pending USACE risk review
- LWR Risk Assessment Meetings EOE Meetings scheduled for July 10-14 and Aug 14-18.

### MESD – Bid Packages 11, 12/13 and 14

- Bid Package 11 - On Hold, pending USACE risk informed solution
- Bid Package 12/13 - On Hold, pending USACE risk informed solution
- Bid Package 14 - VE Study Complete, finishing up design

### PdP/FL

- Drilling has restarted as of June 12 after flood delay.
- USACE re-evaluating remaining PdP. Estimated completion this month.
- USACE determined Section 214 Agreement is best way to continue reviewing PdP/FL designs.
- PdP/FL survey is underway

Questions?

## Metro East Projects, IL

### Project Status

- Change of Command occurs June 30, 2017
  - COL Bryan Sizemore assuming command from COL Anthony Mitchell
- Washington, D.C. Visit June 21, 2017
- Wood River Upper Shallow Cutoff Wall
  - Wall is complete
  - Levee rebuild complete
  - Site restoration continues
  - Substantial Completion June 2017
- Prairie du Pont / Fish Lake
  - Met on May 18 to discuss scope of USACE participation in PdP/FL
  - Develop Draft 214 Agreement
  - Based on river levels, field exploration can resume



## Metro East Projects, IL

### Project Status

- FY17 Work Plan / FY18 President's Budget
  - Information released May 24, 2017

	FY17 Work Plan	FY18 President's Budget
Wood River	\$31,700,000	\$0
Mel Price	\$0	\$0
East St. Louis (MESD)	\$0	\$0
Prairie du Pont/Fish Lake	\$0	\$0

- Wood River
  - FPD approved providing \$5,855,000 in cash cost share on February 15, 2017
  - \$455,000 provided March, 2017
  - Request balance, \$5,400,000 be provided by July 29, 2017
  - Activities includes construction of deep cutoff wall (Fed Funds), risk assessment/supplemental report, oversight of WIK activities
  - Construction contract award targeted for late September, 2017



## Metro East Projects, IL

### Project Status

- East St. Louis Risk Informed Design Process
  - ESTL risk assessment completed January 2017
  - Risk analysis allows better informed decisions
  - Utilize risk informed process to determine investment
  
- East St. Louis Accelerated Funds
  - No FY17 WP or FY18 PB funds provided
  - Requesting Accelerated funds to continue project advancement
  - FPD approved providing \$5,700,000 in cash cost share on February 15, 2017
  - Requesting \$1,297,000 in accelerated funds
  - Activities include continued risk informed design of underseepage controls and collaborative design activities on WIK efforts



## Metro East Projects, IL

### Project Status

- Mel Price
  - FY17 design activities coming to a stop due to lack of funds
  - Pending funding, could award construction contract in FY18
  - Working to identify source of funds for future IOP execution





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for July 2017  
Date: July 17, 2017

Approximately 95.8% of the \$74.4 million of construction, involved in all ten current construction bid packages, has been completed thru June. The amount of work completed during the month was only \$95,915. The total amount of construction completed is \$71.2 million. There is just under 3.2 million dollars' worth of 100-Year accreditation construction remaining to be completed.

Contractors continue to wait for the river to recede to an acceptable working level. The current river elevation is around 15.0 feet and is predicted to recede to around 8.0 feet by the end of the month. Major items still needing to be completed are the East St. Louis 126 Inch Sewer Rehabilitation, the MESD clay cap (where construction has begun), and the four remaining relief wells in the Wood River area.

It appears, the Corps of Engineers is in agreement with the Council regarding the reallocation of funds from the Wood River area to the East St. Louis area. I have attached a letter from Congressman Bost to the Assistant Secretary of the Army for Civil Works supporting our request and the Corps' proposal to reallocate funds. Since this is in the pre-decisional determination stage, the Corps cannot inform the Council on the amount of funds the Corps has requested to be reallocated. It is anticipated the reallocation process, if successful, will take about six months.

In the Prairie Du Pont/Fish Lake area the Corps of Engineers has identified the Phase II solutions required for the Authorized Level. Amec Foster Wheeler is reviewing the re-analysis information and will provide an updated Authorized Level Report at the August Board meeting.

As discussed at last month's meeting, the Corps of Engineers will now be utilizing a Risk Informed Designed Process, resulting in changes to project priorities and design responsibilities. Therefore, also at the August Board meeting, Amec Foster Wheeler will have Work Order Amendments reflecting these changes.

On June 27, 2017, a new implementation guidance for Section 408 was issued which authorizes

district and division commanders to accept and expend funds from non-federal public or private entities to expedite the evaluation of Section 408 requests. Therefore, it appears that utilization of a Section 214 agreement, which would allow the Corps to accept and expend funds contributed by the Council for Section 408 review and oversight and requires a thirty day public notice, will not need to be pursued. The Corps of Engineers has provided a template for an Agreement for Acceptance of Contributed Funds for a Section 408 Evaluation, which Husch Blackwell is currently reviewing.

I have included in your Board packet, a copy of Amec Foster Wheeler's Monthly Progress Report for July and a recent article in the Republic-Times regarding a presentation to the Columbia Chamber of Commerce.

MIKE BOST  
12TH DISTRICT, ILLINOIS

AGRICULTURE COMMITTEE  
TRANSPORTATION &  
INFRASTRUCTURE COMMITTEE  
VETERANS' AFFAIRS COMMITTEE

Congress of the United States  
House of Representatives  
Washington, DC 20515-1312

1440 LONGWORTH HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-5661

302 W. STATE ST.  
O'FALLON, IL 62269  
(618) 622-0766

300 EAST MAIN STREET, SUITE 4  
CARBONDALE, IL 62901  
(618) 457-5787

July 10, 2017

Mr. Douglas W. Lamont  
Acting Assistant Secretary of the Army for Civil Works  
108 Army Pentagon  
Washington, DC 20310

Dear Mr. Lamont:

I am writing regarding a proposal by the United States Army Corps of Engineers (USACE) St. Louis District to reprogram funds to conduct levee work on the East St. Louis Project. Your attention to this matter is appreciated.

The East St. Louis levee system is located in St. Clair and Madison counties, Illinois, along the Mississippi River. The system was designed for a 500-year event and provides flood protection to approximately 250,000 residents and over \$4.5 billion in economic value.

However, the system is not providing protection at authorized levels and is at a significant risk of failure during a high water event. Issues contributing to potential levee failure include underseepage design deficiency and through-seepage problems.

A levee failure would have catastrophic life, economic and environmental consequences. These include the risk of a significant loss of life, damages to commercial and industrial development, environmental damages – including the spread of hazardous and toxic wastes – and agriculture losses.

Given these concerns and the increased frequency of extremely high water events along this segment of the Mississippi River, it is imperative that repairs to the system be made to prevent a potential failure. The USACE St. Louis District is requesting the reprogramming of funds necessary to undertake these tasks. I encourage you to give this request the consideration it is due.

Once again, your attention to this matter is appreciated. If you have any questions, please do not hesitate to contact me anytime.

Sincerely,



Mike Bost  
Member of Congress







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

---

## **Monthly Project Progress Report July 2017**

---

AMEC FOSTER WHEELER Project No. 563170001  
Period Ending Date: July 10, 2017

*Date of Issue: July 14, 2017*

# 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 .....	5
<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 .....	6
3.1.5 Submittals .....	6
3.1.6 Change Orders .....	6
3.1.7 QC/QA Activities .....	6
3.1.8 Considerations.....	6
3.1.9 Payment Progress .....	6
3.2 BID PACKAGE 2B .....	7
3.2.1 Calendar .....	7
3.2.2 Progress - Piping Change Order .....	7
3.2.3 Property Acquisition.....	7
3.2.4 Levee Board Considerations .....	7
3.2.5 Submittals .....	7
3.2.6 Change Orders .....	7
3.2.7 QC/QA Activities .....	7
3.2.8 Considerations.....	7
3.2.9 Payment Progress .....	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 .....	8
3.3.6 Change Orders .....	8
3.3.7 QC/QA Activities .....	8
3.3.8 Payment Progress .....	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 .....	9
3.4.5 Submittals .....	9
3.4.6 Change Orders .....	9
3.4.7 QC/QA Activities .....	9
3.4.8 Considerations.....	9
3.4.9 Payment Progress .....	9
3.5 BID PACKAGE 4.....	10
3.5.1 Calendar .....	10
3.5.2 Progress .....	10
3.5.3 Property Acquisition.....	10
3.5.4 Levee Board Considerations .....	10
3.5.5 Submittals .....	10
3.5.6 Change Orders .....	10
3.5.7 QC/QA Activities .....	10
3.5.8 Considerations.....	10

3.5.9	Payment Progress .....	10
3.6	BID PACKAGE 5.....	11
3.6.1	Calendar .....	11
3.6.2	Progress .....	11
3.6.3	Property Acquisition.....	11
3.6.4	Levee Board Considerations .....	11
3.6.5	Submittals .....	11
3.6.6	Change Orders .....	11
3.6.7	QC/QA Activities .....	11
3.6.8	Considerations.....	11
3.6.9	Payment Progress .....	11
3.7	BID PACKAGE 5A .....	12
3.7.1	Calendar .....	12
3.7.2	Progress .....	12
3.7.3	Property Acquisition.....	12
3.7.4	Levee Board Considerations .....	12
3.7.5	Submittals .....	12
3.7.6	Change Orders .....	12
3.7.7	QC/QA Activities .....	12
3.7.8	Considerations.....	12
3.7.9	Payment Progress .....	12
3.8	BID PACKAGE 6.....	13
3.8.1	Calendar .....	13
3.8.2	Progress .....	13
3.8.3	Property Acquisition.....	13
3.8.4	Levee Board Considerations .....	13
3.8.5	Submittals .....	13
3.8.6	Change Orders .....	13
3.8.7	QC/QA Activities .....	13
3.8.8	Considerations.....	13
3.8.9	Payment Progress .....	13
3.9	BID PACKAGE 7A .....	14
3.9.1	Calendar .....	14
3.9.2	Progress .....	14
3.9.3	Property Acquisition.....	14
3.9.4	Levee Board Considerations .....	14
3.9.5	Submittals .....	14
3.9.6	Change Orders .....	14
3.9.7	QC/QA Activities .....	14
3.9.8	Considerations.....	14
3.9.9	Payment Progress .....	14
3.10	BID PACKAGE 7B .....	15
3.10.1	Calendar .....	15
3.10.2	Progress .....	15
3.10.3	Property Acquisition .....	15
3.10.4	Levee Board Considerations .....	15
3.10.5	Submittals.....	15
3.10.6	Change Orders.....	15
3.10.7	QC/QA Activities.....	15
3.10.8	Considerations .....	15
3.10.9	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 5A** is composed of the rehabilitation of approximately 245 linear feet of 126-inch round concrete sewer and the replacement of two sluice gates.

**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>
Engineer of Record (Civil)	Randy Cook Jr., PE, 636.200.5125 <a href="mailto:randy.cook@amecfw.com">randy.cook@amecfw.com</a>
Engineer of Record (Geotechnical)	Jo C. Tucker, PE, 502.442.4317 <a href="mailto:jo.tucker@amecfw.com">jo.tucker@amecfw.com</a>
Resident Project Representative	Kevin Williams, PMP, 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 continue to conduct weekly toolbox safety talks.		
<b>Security</b>		
Nothing to report this month		
<b>Environment (SWPPP)</b>		
Forms submitted as required		
<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
5A	12.0	391.94
6	25.0	404.94
7A	21.52	417.0 (Mel Price)
7B	21.52	417.0 (Mel Price)

### 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
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

- Complete

##### 3.1.3 Property Acquisition

- Complete

##### 3.1.4 Levee Board Considerations

- Complete

##### 3.1.5 Submittals

- Complete

##### 3.1.6 Change Orders

- Complete

##### 3.1.7 QC/QA Activities

- Complete

##### 3.1.8 Considerations

- Complete

##### 3.1.9 Payment Progress

- Complete

### 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	March 2016
Contract completion date	Extend completion date beyond 12/31/16 with no set date. Time extension for Site 10 and 12 contingent upon Keller Construction completing their work first and allowing K&L at least 15 working days (M-F) per site to complete pipe replacement per Change Order 11 of Bid Package 2B. This is also contingent upon weather delays and river levels above 10 feet.
Final Walk Through	
Final Acceptance	

#### 3.2.2 Progress

- All Sites Substantially Complete
- Punch List work ongoing as weather and river levels allow

#### 3.2.3 Property Acquisition

- None

#### 3.2.4 Levee Board Considerations

- None

#### 3.2.5 Submittals

- Complete

#### 3.2.6 Change Orders

- None

#### 3.2.7 QC/QA Activities

- None

#### 3.2.8 Considerations

- None

#### 3.2.9 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
Contract completion date	April 29, 2016
Final Walk Through	September 1, 2016
Final Acceptance	September 16, 2016

#### 3.3.2 Progress

- Complete

#### 3.3.3 Property Acquisition

- Complete

#### 3.3.4 Levee Board Considerations

- Complete

#### 3.3.5 Submittals

- Complete

#### 3.3.6 Change Orders

- Complete

#### 3.3.7 QC/QA Activities

- Complete

#### 3.3.8 Payment Progress

- Complete



### 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
Contract completion date	<ul style="list-style-type: none"><li>• Upper Wood River is substantially complete.</li><li>• Lower Wood River – December 27, 2016 (final completion dependent on the BP 7B RW installation).</li><li>• Hawthorne Manhole Change Order – February 28, 2017</li></ul>
Final Walk Through	October 6, 2016 (Final inspection excluded RW ABD)
Final Acceptance	

#### 3.4.2 Progress

- Project is Substantially Complete
- Work that remains to be completed:
  - Abandonment of 6 Relief Wells

#### 3.4.3 Property Acquisition

- Complete

#### 3.4.4 Levee Board Considerations

- Complete

#### 3.4.5 Submittals

- Complete

#### 3.4.6 Change Orders

- Complete

#### 3.4.7 QC/QA Activities

- Complete

#### 3.4.8 Considerations

- Complete

#### 3.4.9 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
Contract completion date	September 21, 2017
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

- Pipe Replacement work is Substantially Complete
- Work that remains to be completed:
  - Installation of 8 new Piezometers
  - Abandonment of 4 existing Piezometers
  - Finish Grading & Turf Establishment
  - Punch List

#### 3.5.3 Property Acquisition

- Complete.

#### 3.5.4 Levee Board Considerations

- None

#### 3.5.5 Submittals

- Complete

#### 3.5.6 Change Orders

- Complete

#### 3.5.7 QC/QA Activities

- None

#### 3.5.8 Considerations

- None

#### 3.5.9 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
Contract completion date	November 15, 2017
Final Walk Through	
Final Acceptance	

#### 3.6.2 Progress

- Pipe Replacement work is Substantially Complete
- Work that remains to be completed:
  - Punch List
  - Clay Cap – Will begin Spring/Summer 2017 as weather and river levels allow

#### 3.6.3 Property Acquisition

- Complete

#### 3.6.4 Levee Board Considerations

- None.

#### 3.6.5 Submittals

- Complete

#### 3.6.6 Change Orders

- Complete

#### 3.6.7 QC/QA Activities

- Ongoing

#### 3.6.8 Considerations

- None

#### 3.6.9 Payment Progress

- See Contract Invoice Log attached.

### 3.7 Bid Package 5A

#### 3.7.1 Calendar

Bid Date:	November 08, 2016
Contract executed	December 08, 2016
Schedule received	January 09, 2017
Anticipated start of field activities	February 20, 2017
Start of field activities	March 21, 2017
Contract completion date	August 14, 2017
Final Walk Through	
Final Acceptance	

#### 3.7.2 Progress

- The contractor will mobilize as river levels allow to complete the East St. Louis sewer liner

#### 3.7.3 Property Acquisition

- None

#### 3.7.4 Levee Board Considerations

- None

#### 3.7.5 Submittals

- Submittal process on-going

#### 3.7.6 Change Orders

- None

#### 3.7.7 QC/QA Activities

- None

#### 3.7.8 Considerations

- None

#### 3.7.9 Payment Progress

- None

### 3.8 Bid Package 6

#### 3.8.1 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
Contract completion date	<i>Substantial completion: July 26, 2016;</i> <i>Final completion: September 6, 2016</i>
Final Walk Through	September 6, 2016
Final Acceptance	

#### 3.8.2 Progress

- All project work is complete

#### 3.8.3 Property Acquisition

- None

#### 3.8.4 Levee Board Considerations

- None.

#### 3.8.5 Submittals

- Complete

#### 3.8.6 Change Orders

- Complete

#### 3.8.7 QC/QA Activities

- Complete

#### 3.8.8 Considerations

- None

#### 3.8.9 Payment Progress

- See Contract Invoice Log attached.

### 3.9 Bid Package 7A

#### 3.9.1 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	June 26, 2015 (contract completion date).
Final Walk Through	July 10, 2015
Final Acceptance	The project is complete.

#### 3.9.2 Progress

- This project is complete.

#### 3.9.3 Property Acquisition

- Complete

#### 3.9.4 Levee Board Considerations

- None.

#### 3.9.5 Submittals

- Complete

#### 3.9.6 Change Orders

- Complete

#### 3.9.7 QC/QA Activities

- Complete

#### 3.9.8 Considerations

- None.

#### 3.9.9 Payment Progress

- Complete

### 3.10 Bid Package 7B

#### 3.10.1 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	July 2015
Contract completion date	<i>Substantial completion June 26, 2016; Final completion September 23, 2016.</i>
Final Walk Through	9/20/16 Final Inspection (with exception of Relief Well work)
Final Acceptance	

#### 3.10.2 Progress

- Project is Substantially Complete with the exception of relief well work.
- Work that remains to be completed:
  - Installation of 4 relief wells.
  - Final grading around relief wells.

#### 3.10.3 Property Acquisition

- Complete

#### 3.10.4 Levee Board Considerations

- None

#### 3.10.5 Submittals

- Complete

#### 3.10.6 Change Orders

- Complete

#### 3.10.7 QC/QA Activities

- Complete

#### 3.10.8 Considerations

- None.

#### 3.10.9 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      Limatorque 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



TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP2A

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Limitorque Actuator	Spec	\$2,245.00	\$0.00	2A.8	\$ 28,700.00	7.82%	0.30%	2/10/2014	Approved	Specification change due to MESD levee district negative experience with spec'd material; spec change to alleviate possible future problems and for consistency with other bid packages
2	Additional Roadway Aggregate	Field	\$7,730.00	\$0.00	2A.3	\$ 141,200.00	5.47%	1.03%	3/18/2014	Approved	Required by Monroe County
3	Building Permit	Field	\$434.00	\$0.00	2A.1	\$ 36,200.00	1.20%	0.06%	3/4/2014	Approved	Required by Monroe County
4	Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	3/31/2014	Approved	Contract extended 90 days due to material fabrication delay
5	2nd Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	7/24/2014	Approved	Time extension request due to abnormal weather and high river level days that impeded construction
6	3rd Contract Time Extension	Field	\$0.00	\$0.00	NA	NA	NA	0.00%	8/21/2014	Approved	Time extension request due to abnormal weather and high river level days that impeded construction
7	Additional Rock instead Pump Station and Pipe Testing T&M	Field	\$5,189.21	\$0.00	NA	NA	NA	0.69%	9/2/2014	Approved	Additional rock installed for maintenance purposes; Time and material for pipe testing needed
8	Pipe Extension on Stump Property	Field	\$34,501.32	\$0.00	NA	NA	NA	4.62%	9/29/2014	Approved	To enable property owner equipment access to property
<b>Total of Project Change Orders</b>			<b>\$50,099.53</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 50,099.53</b>

Original Contract Amount \$747,500.00      Revised Contract Amount \$797,599.53      % Change from Original Amount 6.70%

\*Board approval required

**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  
**Change Order #12:** \$8,700.00 Fence Repair Site 5  
**Total Change Order Amount:** \$1,480,105.92  
**Total Revised Contract Amount:** **\$5,345,510.92**

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	2/18/2014	\$3,818,830.00
2	3/6/2014	3/13/2014	\$132,450.00	\$13,245.00	\$119,205.00	\$72,630.00	3/25/2014	\$3,746,634.00
3	3/31/2014	4/15/2014	\$504,300.00	\$50,430.00	\$453,870.00	\$334,665.00	4/22/2014	\$3,419,934.00
4	4/30/2014	5/13/2014	\$846,000.00	\$84,600.00	\$761,400.00	\$307,530.00	5/22/2014	\$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	6/19/2014	\$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	7/17/2014	\$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	8/19/2014	\$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	9/15/2014	\$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	10/16/2014	\$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	11/18/2014	\$787,058.00
11	11/30/2014	12/12/2014	\$3,648,600.00	\$282,764.00	\$3,365,836.00	\$215,160.00	12/18/2014	\$646,098.00
12	12/31/2014	1/12/2015	\$3,840,000.00	\$292,334.00	\$3,547,666.00	\$181,830.00	1/26/2015	\$464,268.00
13	1/31/2015	2/9/2015	\$3,897,320.00	\$295,200.00	\$3,602,120.00	\$54,454.00	2/18/2015	\$409,814.00
14	2/28/2015	3/10/2015	\$3,968,238.00	\$298,710.00	\$3,669,528.00	\$67,408.00	3/19/2015	\$342,406.00
15	3/31/2015	4/10/2015	\$4,011,934.00	\$200,596.00	\$3,811,338.00	\$141,810.00	4/16/2015	\$200,596.00
16	4/30/2015	5/12/2015	\$4,011,934.00	\$10,000.00	\$4,001,934.00	\$190,596.00	5/18/2015	\$20,276.92
17	7/31/2015	8/11/2015	\$4,022,210.92	\$10,000.00	\$4,012,210.92	\$10,276.92	8/20/2015	\$1,324,600.00
18	1/31/2016	2/11/2016	\$4,063,110.92	\$12,045.00	\$4,051,065.92	\$38,855.00	2/17/2016	\$1,285,745.00
19	2/29/2016	3/11/2016	\$4,078,810.92	\$12,830.00	\$4,065,980.92	\$14,915.00	3/17/2016	\$1,270,830.00
20	3/31/2016	4/14/2016	\$4,253,410.92	\$21,560.00	\$4,231,850.92	\$165,870.00	4/20/2016	\$1,113,660.00
21	7/31/2016	8/5/2016	\$4,443,410.92	\$31,060.00	\$4,412,350.92	\$180,500.00	8/15/2016	\$933,160.00
22	11/30/2016	12/13/2016	\$4,861,410.92	\$50,198.81	\$4,809,450.92	\$397,100.00	12/23/2016	\$536,060.00
23	12/31/2016	1/6/2017	\$4,954,638.29	\$56,186.37	\$4,898,451.92	\$89,001.00	1/19/2017	\$447,059.00
24	1/31/2017	2/3/2017	\$5,102,796.18	\$63,594.26	\$5,039,201.92	\$140,750.00	2/15/2017	\$306,309.00
25	2/28/2017	3/6/2017	\$5,182,817.24	\$67,595.32	\$5,115,221.92	\$76,020.00	3/14/2017	\$230,289.00
26	3/31/2017	4/10/2017	\$5,330,650.92	\$74,987.00	\$5,255,663.92	\$140,442.00	4/19/2017	\$89,847.00
27	4/30/2017	5/8/2017	\$5,341,104.94	\$65,509.02	\$5,275,595.92	\$19,932.00	5/15/2017	\$69,915.00

**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
12*	Fence Repair Site 5	Field	\$8,700.00	\$0.00	NA	NA	NA	0.23%	3/17/2016	Approved	Fence Repair Site 5
<b>Total of Project Change Orders</b>			<b>\$1,471,535.92</b>	<b>\$8,570.00</b>						<b>Total</b>	<b>\$ 1,480,105.92</b>
<b>Original Contract Amount</b>			<b>Revised Contract Amount</b>	<b>% Change from Original Amount</b>							
<b>\$3,865,405.00</b>			<b>5,345,510.92</b>	<b>38.29%</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:** \$3,390.00 Flood Damages  
**Change Order #2:** \$26,670.00 Clay Fill Material Overage  
**Change Order #3:**  
**Total Change Order Amount:** \$30,060.00  
**Total Revised Contract Amount:** **\$311,692.00**

<b>Payment Request No.</b>	<b>Pay Request Date</b>	<b>Pay Request Recommended Approval Date</b>	<b>Total Completed to Date (\$)</b>	<b>Amount Retained (10% to 50%) then (5% to 95%)</b>	<b>Total Earned Less Retained (\$)</b>	<b>Amount Invoiced (\$)</b>	<b>Date Paid by FPD</b>	<b>Estimate to Complete Including Retainage (\$)</b>
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>	\$118,865.80
2	1/8/2016	1/11/2016	\$281,632.00	\$14,081.60	\$267,550.40	\$101,394.20	<a href="#">1/12/2016</a>	\$44,141.60
3	9/7/2016	9/8/2016	\$311,692.00	\$0.00	\$311,692.00	\$44,141.60	<a href="#">9/15/2016</a>	\$0.00

**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	Flood Damages	Other	\$3,390.00	\$0.00	NA	NA	NA	1.20%	6/7/2016	Approved	December 2015 flood event
2	Clay Fill Material Overage	Field	\$26,670.00	\$0.00	2C.26	\$ 10,800.00	246.94%	9.47%	8/17/2016	Approved	Clay Fill Material Overage; Board approval required
3											
4											
5											
6											
7											
8											
9											
10											
<b>Total of Project Change Orders</b>			<b>\$30,060.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 30,060.00</b>
<b>Original Contract Amount</b>			<b>\$281,632.00</b>								
<b>Revised Contract Amount</b>			<b>311,692.00</b>								
				<b>% Change from Original Amount</b>							
					<b>10.67%</b>						Approved

\*Board approval required

**CONTRACT INVOICE LOG**

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

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

<b>Original Contract Amount:</b>	\$ 10,082,345.00	
<b>Change Order 1</b>	\$ 1,000.00	IDOT Permit
<b>Change Order 2</b>	\$ 16,600.00	PZ 39 Relocate
<b>Change Order 3</b>	\$ 11,361.00	Russell Commons Fence R&R
<b>Change Order 4</b>	\$ 2,245.60	Hydro Excavating
<b>Change Order 5</b>	\$ 3,071.25	Additional RW Permits
<b>Change Order 6</b>	\$ 278,694.99	RR3 for Blanket Drains
<b>Change Order 7</b>	\$ 57,436.00	Indian Creek Extra Rip Rap
<b>Change Order 8</b>	\$ (5,820.00)	Credit to Remove Vacuum Testing of Manholes
<b>Change Order 9</b>	\$ 558,086.80	Hawthorne Changes North & South including Ameren
<b>Change Order 10</b>	\$ 477,917.72	Blanket Drain 2 Revisions
<b>Change Order 11</b>	\$ (59.97)	Credit for Blanket Drain 1 Revisions
<b>Change Order 12</b>	\$ 60,362.00	Toe Wall and Handrails Wiers 2, 3, and 4
<b>Change Order 13</b>	\$ 6,825.00	Additional Pollution Coverage UPRR
<b>Change Order 14</b>	\$ 28,950.00	Pilot Hole Drilling
<b>Change Order 15</b>	\$ (9,729.58)	Hawthorne Pipe Changes
<b>Change Order 16</b>	\$ 132,710.00	Russell Commons Buried Waste Part A & B
<b>Change Order 17</b>	\$ 257,694.47	Relief Well Construction Obstructions
<b>Change Order 18</b>	\$ 17,403.75	Tree Mitigation
<b>Change Order 19</b>	\$ 15,620.78	Relief Well 1016 1064 1065 Modifications
<b>Change Order 20</b>	\$ 111,256.88	Relief Well Construction Obstructions
<b>Change Order 21</b>	\$ 108,620.79	Relief Well Construction Obstructions
<b>Change Order 22</b>	\$ 40,618.82	Russell Commons Buried Waste Part A Deduct & Part C
<b>Change Order 23</b>	\$ (35,779.00)	Credit for Delete PZs_Add Bollards
<b>Change Order 24</b>	\$ 103,824.76	Relief Well Construction Obstructions RW 1069-1073 Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line;
<b>Change Order 25</b>	\$ 113,188.00	Hawthorne impacted material near Weir 3
<b>Change Order 26</b>	\$ (135,402.86)	Credit Farm Ditch Revision and Random Fill 1
<b>Change Order 27</b>	\$ 493,474.58	Blanket Drain 4 Revisions
<b>Change Order 28</b>	\$ 125,536.21	Relief Well Construction Obstruction RW 1069-1073
<b>Change Order 29</b>	\$ (29,887.27)	Wagon Wheel Bore
<b>Change Order 30</b>	\$ (8,793.84)	Credit Relief Well Floor Drain Elimination/Plugging
<b>Change Order 31</b>	\$ 149,482.00	Hartford Sluice Gate and Manhole Replacement
<b>Change Order 32</b>	\$ 11,268.24	Flood Prevention Efforts June 2015; Russell Commons Park Imported Fill
<b>Change Order 33</b>	\$ (11,273.20)	Blanket Drain 4 End Section Credit
<b>Change Order 34</b>	\$ (138,005.38)	Credit Relief Well Quantity Adjustments
<b>Change Order 35</b>	\$ -	Time Extension for weather/river delay & Hawthorne Manhole
<b>Change Order 36</b>	\$ 12,140.80	Additional Grading Work - Losch Farm
<b>Change Order 37</b>	\$ (7,776.02)	Credit Balancing Quantities Pilot Holes, PZ, 12in CMP
<b>Change Order 38</b>	\$ 88,962.12	Random Fill #2 Ditch; Losch Pond Ditch Imported Clay
<b>Change Order 39</b>	\$ (61,266.50)	Balancing Quantities; HDPE Pipe – 12 Inch; Relief Well - Abandonment
<b>Total Change Order Amount:</b>	\$2,840,558.94	
<b>Total Revised Contract Amount:</b>	<b>\$12,922,903.94</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 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

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 (\$)
20	11/30/2015	12/28/2015	\$8,778,734.65	\$489,987.55	\$8,288,747.10	\$359,760.54	<a href="#">12/31/2016</a>	\$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	<a href="#">1/20/2016</a>	\$3,827,600.43
22	1/31/2016	2/8/2016	\$9,002,576.95	\$508,695.88	\$8,493,881.07	\$104,049.20	<a href="#">2/17/2016</a>	\$3,723,551.23
23	2/29/2016	3/10/2016	\$9,690,470.24	\$502,088.79	\$9,188,381.45	\$694,500.38	<a href="#">3/17/2016</a>	\$3,132,875.61
24	3/31/2016	4/14/2016	\$10,753,362.39	\$554,699.89	\$10,198,662.50	\$1,010,281.05	<a href="#">4/20/2016</a>	\$2,719,390.49
25	4/30/2016	5/12/2016	\$11,194,941.66	\$570,893.11	\$10,624,048.55	\$425,386.05	<a href="#">5/17/2016</a>	\$2,294,004.44
26	5/31/2016	6/10/2016	\$11,448,599.71	\$591,271.28	\$10,857,328.43	\$233,279.88	<a href="#">6/16/2016</a>	\$2,030,837.29
27	6/30/2016	7/7/2016	\$12,210,826.40	\$611,843.66	\$11,598,982.74	\$741,654.31	<a href="#">7/15/2016</a>	\$1,280,389.14
28	7/31/2016	8/2/2016	\$12,293,289.38	\$615,296.07	\$11,677,993.31	\$79,010.57	<a href="#">8/15/2016</a>	\$1,350,855.61
29	8/31/2016	9/9/2016	\$12,602,657.72	\$630,132.87	\$11,972,524.85	\$294,531.54	<a href="#">9/20/2016</a>	\$918,318.69
30	9/30/2016	10/6/2016	\$12,624,277.76	\$631,213.87	\$11,993,063.89	\$20,539.04	<a href="#">10/11/2016</a>	\$909,920.45
31	10/31/2016	11/9/2016	\$12,644,262.82	\$19,191.40	\$12,625,071.42	\$632,007.53	<a href="#">11/16/2016</a>	\$270,136.90
32	1/31/2017	2/1/2017	\$12,674,950.86	\$21,653.16	\$12,653,297.70	\$28,226.28	<a href="#">2/15/2017</a>	\$330,872.74
33	2/28/2017	3/3/2017	\$12,899,373.38	\$31,766.18	\$12,867,607.20	\$214,309.50	<a href="#">3/14/2017</a>	\$116,563.24
34	2/28/2017	3/3/2017	\$12,899,373.38	\$10,911.97	\$12,888,461.41	\$20,854.21	<a href="#">6/14/2017</a>	\$34,442.53
35	6/30/2017	7/7/2017	\$12,905,599.94	\$11,223.30	\$12,894,376.64	\$5,915.23		\$28,527.30

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	IDOT Permit	Other	\$1,000.00	\$0.00	3.01	\$ 498,000.00	0.20%	0.01%	5/21/2014	Approved	IDOT Required Permit
2	Piezometer 39 Relocate	Field	\$16,600.00	\$0.00	3.30	\$ 307,224.00	5.40%	0.16%	9/18/2014	Approved	Post bid design change to enable more effective operability
3	Russell Commons Fence Remove and Replace	Field	\$11,361.00	\$0.00	NA	NA	NA	0.11%	10/2/2014	Approved	Remove and replace fence installed by property owner post bid
4	Additional Hydro Excavating	Field	\$2,245.60	\$0.00	3.39	\$ 1,884,009.24	0.12%	0.02%	10/8/2014	Approved	Due to the relocation of RW's 1077 to 1080, added costs for hydro excavation
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$3,071.25	\$0.00	3.37	\$ 82,812.00	3.71%	0.03%	10/22/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept
6*	RR3 Material for Blanket Drains-pending verifying material	Field	\$278,694.99	\$0.00	3.08-3.14	\$ 2,034,478.00	13.70%	2.76%	11/19/2014	Approved	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval
7*	Indian Creek Rip Rap	Field	\$57,436.00	\$0.00	3.40	\$ 193,713.36	29.65%	0.57%	11/19/2014	Approved	Due to the extreme scour of the banks and creek bed since the time of the original design, in order for the per plan design to be constructed, it is going to require a substantial amount of additional rip rap RR4 to be placed. Board approval required
8	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,820.00)	\$0.00	3.29	\$ 37,896.00	-15.36%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
9*	Hawthorne Changes North & South including Ameren	Other	\$558,086.80	\$0.00	3.04 3.06 3.07 3.02	\$ 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	3.09 3.16 3.23 3.25			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
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	\$ 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	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	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	Other	\$108,620.79	\$0.00	3.38 3.39	\$ 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



**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
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
24	Relief Well Construction Obstruction RW 1069-1073	Other	\$ 103,824.76	\$0.00	3.38 3.39	\$ 3,507,073.90	2.96%	1.03%	3/4/2016	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 1/20/16 Board approved budget
25*	Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line; Hawthorne impacted material near Weir 3	Field	\$ 113,188.00	\$0.00	NA	NA	NA	1.12%	3/16/2016	Approved	Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line; Hawthorne impacted material near Weir 3; Contract Time Extended to 9/30/16
26*	Farm Ditch Revision and Random Fill 1	Field	\$ (135,402.86)	\$0.00	3.33	\$ 433,434.89	-31.24%	-1.34%	3/16/2016	Approved	Farm Ditch Revision and Random Fill 1
27*	Blanket Drain 4 revisions	Other	\$ 493,474.58	\$0.00	3.44	\$ 350,747.77	140.69%	4.89%	3/16/2016	Approved	Blanket Drain 4 revisions
28	Relief Well Construction Obstruction RW 1069-1073	Field	\$ 125,536.21	\$0.00	3.38 3.39	\$ 3,507,073.90	3.58%	1.25%	3/31/2016	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 1/20/16 Board approved budget
29	Wagon Wheel Road Tunnel	Field	\$ (29,887.27)	\$0.00	3.16 3.24 3.25 3.28	\$ 107,253.77	-27.87%	-0.30%	4/1/2016	Approved	Credit for Wagon Wheel Road Tunnel revisions
30	Credit Relief Well Floor Drain Elimination/Plugging	Field	\$ (8,793.84)	\$0.00	3.38 3.39	\$ 3,507,073.90	-0.25%	-0.09%	6/15/2016	Approved	Credit for deletion of relief well floor drains
31*	Hartford Sluice Gate and Manhole Replacement	Other	\$ 149,482.00	\$0.00	NA	NA	NA	1.48%	7/20/2016	Approved	Hartford Sluice Gate and Manhole Replacement; Board approval required
32*	Flood Prevention Efforts June 2015; Russell Commons Park Imported Fill	Field	\$ 11,268.24	\$0.00	NA	NA	NA	0.11%	7/20/2016	Approved	Flood Prevention Efforts June 2015; Russell Commons Park Imported Fill; Board approval required
33*	Blanket Drain 4 End Section Credit	Field	\$ (11,273.20)	\$0.00	3.11	\$ 94,800.00	-11.89%	-0.11%	7/20/2016	Approved	Blanket Drain 4 End Section Credit
34*	Credit Relief Well Quantity Adjustments	Field	\$ (138,005.38)	\$0.00	3.38 3.39	\$ 3,507,073.90	-3.94%	-1.37%	8/17/2016	Approved	Credit Relief Well Quantity Adjustments
35	Time Extension for weather/river delay & Hawthorne Manhole	Other	\$ -	-\$0.00	NA	NA	NA	0.00%	9/9/2016	Approved	Time Extension to 12/31/16 for weather/river delay & Hawthorne Manhole time extension to 2/28/17
36*	Additional Grading Work - Losch Farm	Field	\$ 12,140.80	\$0.00	NA	NA	NA	0.12%	9/21/2016	Approved	Additional Grading Work - Losch Farm
37	Credit Balancing Quantities Pilot Holes, PZ, 12in CMP	Other	\$ (7,776.02)	\$0.00	NA	NA	NA	-0.08%	10/26/2016	Approved	Credit Balancing Quantities Pilot Holes, PZ, 12in CMP
38	Random Fill #2 Ditch; Losch Pond Ditch Imported Clay	Other	\$ 88,962.12	\$0.00	3.34	\$ 295,589.25	30.10%	0.88%	1/18/2017	Approved	Random Fill #2 Ditch; Losch Pond Ditch Imported Clay
39	Balancing Quantities	Other	\$ (61,266.50)	\$0.00	3.23 3.36	\$ 267,432.00	-22.91%	-0.61%	4/19/2017	Approved	Balancing Quantities; HDPE Pipe - 12 Inch; Relief Well - Abandonment
<b>Total</b>											<b>\$ 2,840,558.94</b>

**Total of Project Change Orders** \$2,840,558.94 **\$0.00**  
**Original Contract Amount** \$10,082,345.00  
**Revised Contract Amount** 12,922,903.94  
**% Change from Original Amount** 28.17%

\*Board approval required

## CONTRACT INVOICE LOG

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

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

<b>Original Contract Amount:</b>	\$3,190,232.45	
<b>Change Order #1:</b>	\$8,196.30	Flyght Pump & Locking Sewer Lids per MESD
<b>Change Order #2:</b>	\$949.90	Fence Polycarbonate
<b>Change Order #3:</b>	\$10,488.00	Fence Grounding per Ameren
<b>Change Order #4:</b>	\$1,533.00	2 Additional Posts in Concrete per Phillips 66 Request
<b>Change Order #5:</b>	\$2,127.35	Time and material for new fence grounding
<b>Change Order #6:</b>	\$2,402.40	Per MESD Request
<b>Change Order #7:</b>	\$0.00	Contract Time Extension
<b>Change Order #8:</b>	\$1,656.00	2" Well Point SS Pipe
<b>Change Order #9:</b>	\$54,680.20	Site 9 Electrical Changes
<b>Change Order #10:</b>	\$35,602.21	Work Stoppage due to Soil Testing
<b>Change Order #11:</b>	\$80,046.18	Relief Well Construction Obstruction due to Cobble
<b>Change Order #12:</b>	\$0.00	Contract Time Extension to June 30, 2015
<b>Change Order #13:</b>	\$8,981.67	Relief Well 141XB Re-Design
<b>Change Order #14:</b>	\$948.75	Offset Outfall Line of RW 153X
<b>Change Order #15:</b>	\$79,051.00	Clay Cap Benching and Key Volume (3,437 CY)
<b>Change Order #17:</b>	\$2,882,782.25	Pipe Material Change
<b>Change Order #18:</b>	\$13,660.00	Flood Event Emergency Pumping at Site 9
<b>Change Order #19:</b>	-\$29,295.61	Relief Well Quantity Rectification Credit
<b>Change Order #20:</b>	\$23,943.00	CA06 Rock Placement; Clay Cap Blanket and Loss Time
<b>Change Order #21:</b>	\$108,620.00	Clay Cap Bridge; Contract Time Extension to 3/31/17
<b>Change Order #22:</b>	-\$10,656.00	Relief Well Floor Drains and Casing Pipe Supports Credit
<b>Change Order #23:</b>	-\$2,400.00	Credit PZ Abandonments & Time Extension to 7/31/17
<b>Change Order #24:</b>	\$11,235.00	Relief Well Conversions Concrete Seals; Conduit Replacement
<b>Total Change Order Amount:</b>	\$3,284,551.60	
<b>Total Revised Contract Amount:</b>	<b>\$6,474,784.05</b>	

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	4/11/2014	4/15/2014	\$259,243.33	\$25,924.33	\$233,319.00	\$233,319.00	4/22/2014	\$2,965,109.75
2	6/11/2014	6/12/2014	\$269,731.33	\$26,973.13	\$242,758.20	\$9,439.20	6/19/2014	\$2,967,108.45
3	8/5/2014	8/11/2014	\$325,641.68	\$32,564.17	\$293,077.51	\$50,319.32	8/14/2014	\$2,920,449.49
4	10/1/2014	10/9/2014	\$970,413.05	\$97,041.31	\$873,371.75	\$580,294.24	10/13/2014	\$2,344,213.65
5	11/10/2014	11/11/2014	\$1,576,916.93	\$157,691.69	\$1,419,225.24	\$545,853.49	11/14/2014	\$1,798,360.16
6	12/9/2014	12/11/2014	\$1,805,617.83	\$180,561.78	\$1,625,056.05	\$205,830.81	12/18/2014	\$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	1/26/2015	\$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	2/13/2015	\$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	3/19/2015	\$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	4/16/2015	\$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	5/18/2015	\$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	7/9/2015	\$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	9/14/2015	\$942,925.83
14	2/5/2016	2/11/2016	\$2,928,221.76	\$292,822.18	\$2,635,399.58	\$101,430.00	2/17/2016	\$3,737,938.08
15	4/30/2016	5/12/2016	\$3,111,701.76	\$301,996.18	\$2,809,705.58	\$174,306.00	5/16/2016	\$3,563,632.08
16	8/2/2016	8/9/2016	\$3,135,644.76	\$160,867.24	\$2,974,777.52	\$165,071.94	8/10/2016	\$3,393,207.53
17	11/4/2016	11/8/2016	\$3,397,154.76	\$174,192.74	\$3,222,962.02	\$248,184.50	11/16/2016	\$3,253,643.03
18	12/2/2016	12/7/2016	\$3,427,154.76	\$177,192.74	\$3,249,962.02	\$27,000.00	12/12/2016	\$3,226,643.03
19	1/6/2017	1/10/2017	\$3,640,688.76	\$195,800.64	\$3,444,888.12	\$194,926.10	1/12/2017	\$3,031,716.93
20	2/3/2017	2/7/2017	\$3,945,234.71	\$206,565.74	\$3,738,668.97	\$293,780.85	2/7/2017	\$2,727,280.08
21	3/5/2017	3/6/2017	\$4,750,460.01	\$246,836.12	\$4,503,623.89	\$764,954.92	3/6/2017	\$1,962,325.16
22	3/31/2017	4/6/2017	\$5,773,126.96	\$300,471.64	\$5,472,655.32	\$969,031.43	4/11/2017	\$1,002,128.73
23	4/28/2017	5/8/2017	\$6,238,928.00	\$314,148.96	\$5,924,779.04	\$452,123.72	5/9/2017	\$550,005.01
24	6/30/2017	7/7/2017	\$6,301,768.00	\$317,290.96	\$5,984,477.04	\$59,698.00		\$490,307.01

**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
17*	Pipe Material Change	Other	\$2,882,782.25	\$0.00	NA	NA	NA	90.36%	12/3/2015	Approved	Pipe material change to meet the Authorized Level flood event design
18*	Flood Event Emergency Pumping at Site 9	Other	\$13,660.00	\$0.00	NA	NA	NA	0.43%	1/20/2016	Approved	Flood Event Emergency Pumping at Site 9

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
19*	Relief Well Quantity Rectification Credit	Other	-\$29,295.61	\$0.00	4.16	\$ 878,900.00	-3.33%	-0.92%	5/18/2016	Approved	Relief Well Quantity Rectification Credit
20*	CA06 Rock Placement; Clay Cap Blanket and Loss Time	Field	\$23,943.00	\$0.00	NA	NA	NA	0.75%	5/18/2016	Approved	CA06 Rock Placement (\$9,553); Clay Cap Blanket and Loss Time (\$14,390)
21*	Clay Cap Bridge; Contract Time Extension to 3/31/17	Field	\$108,620.00	\$0.00	NA	NA	NA	3.40%	8/17/2016	Approved	Clay Cap Bridge; Contract Time Extension to 3/31/17
22*	Relief Well Floor Drains and Casing Pipe Supports Credit	Field	-\$10,656.00	\$0.00	4.16	\$ 878,900.00	-1.21%	-0.33%	8/18/2016	Approved	Plug 18 Relief Well Floor Drains - \$2,214.00; Elimination of 18 casing pipe supports - (\$12,870.00)
23*	Credit PZ Abandonments & Time Extension to 7/31/17	Field	-\$2,400.00	\$0.00	4.2		#DIV/0!	#DIV/0!	3/15/2017	Approved	Credit PZ Abandonments & Time Extension to 7/31/17
24*	Relief Well Conversions Concrete Seals; Siphon Breaker Conduit Replacement	Field	\$11,235.00	\$0.00	4.16	\$ 878,900.00	1.28%	0.35%	3/15/2017	Approved	Relief Well Conversions Concrete Seals; Siphon Breaker Conduit Replacement
25	Contract Time Extension to September 21, 2017 due to high river	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	6/12/2017		Contract Time Extension to September 21, 2017 due to high river
<b>Total of Project Change Orders</b>										<b>Total</b>	<b>\$ 3,284,551.60</b>

Original Contract Amount Revised Contract Amount % Change from Original Amount

\$3,190,232.45 6,474,784.05 102.96%

\*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>Change Order #19:</b>	\$ 310,153.93	Flood Event Emergency Pumping at Pump Stations Site 5 & 10
<b>Change Order #20:</b>	\$ 23,178.10	RW Rehab Clean & Test; PZ 875 L
<b>Change Order #21:</b>	\$ (17,715.53)	Credit MOPAC Gates
<b>Change Order #22:</b>	\$ 3,850.10	RW Floor Drain Plugging & Deletion
<b>Change Order #23:</b>	\$ (207,274.33)	Credit Relief Well Quantity Adjustments
<b>Change Order #24:</b>	\$ (714.50)	Credit Delete Casing Pipe Supports
<b>Change Order #25:</b>	\$ 137,693.68	Clay Cap Keyway Subsurface Conditions
<b>Change Order #26:</b>	\$ (8,525.96)	Balancing Quantities Credit HDPE Pipe – 12 Inch
<b>Total Change Order Amount:</b>	\$5,972,591.28	
<b>Total Revised Contract Amount:</b>	<b>\$14,229,073.12</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	3/25/2014	\$8,017,033.24
2	3/31/2014	4/16/2014	\$883,107.43	\$88,310.74	\$794,796.69	\$555,348.09	4/22/2014	\$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	5/22/2014	\$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	6/19/2014	\$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	7/17/2014	\$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	9/15/2014	\$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	10/16/2014	\$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	11/18/2014	\$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	12/18/2014	\$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	1/26/2015	\$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	2/18/2015	\$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	3/19/2015	\$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	4/16/2015	\$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	5/18/2015	\$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	6/16/2015	\$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	7/14/2015	\$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	8/20/2015	\$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	9/16/2015	\$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	10/21/2015	\$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	11/17/2015	\$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 Retension-Apply to Req 22	
22	12/1/2015	1/8/2016	\$6,212,507.17	\$314,408.19	\$5,898,098.98	\$21,018.10	1/20/2016	\$8,090,328.65
23	1/30/2016	2/5/2016	\$6,588,304.41	\$332,344.71	\$6,255,959.70	\$357,860.72	2/17/2016	\$8,042,621.86

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 (\$)
24	2/29/2016	3/8/2016	\$6,598,658.81	\$333,380.15	\$6,265,278.66	\$9,318.96	<a href="#">3/17/2016</a>	\$8,033,302.90
25	3/31/2016	4/4/2016	\$6,697,823.07	\$338,187.33	\$6,359,635.74	\$94,357.08	<a href="#">4/20/2016</a>	\$7,962,123.92
26	4/30/2016	5/11/2016	\$6,744,735.45	\$342,695.08	\$6,402,040.37	\$42,404.63	<a href="#">5/17/2016</a>	\$7,902,003.76
27	5/31/2016	6/10/2016	\$6,749,705.45	\$342,943.58	\$6,406,761.87	\$4,721.50	<a href="#">6/16/2016</a>	\$7,897,282.26
28	7/31/2016	8/2/2016	\$6,762,439.93	\$343,580.30	\$6,418,859.63	\$12,097.76	<a href="#">8/15/2016</a>	\$7,889,034.60
29	8/31/2016	9/9/2016	\$6,805,013.50	\$342,120.96	\$6,462,892.54	\$44,032.91	<a href="#">9/20/2016</a>	\$7,637,727.36
30	9/30/2016	10/6/2016	\$6,918,376.86	\$347,789.14	\$6,570,587.72	\$107,695.18	<a href="#">10/11/2016</a>	\$7,530,032.18
31	10/31/2016	11/9/2016	\$7,426,077.72	\$398,134.94	\$7,027,942.78	\$457,355.06	<a href="#">11/16/2016</a>	\$7,071,962.62
32	11/30/2016	12/5/2016	\$8,356,329.18	\$490,688.02	\$7,865,641.16	\$837,698.38	<a href="#">12/23/2016</a>	\$6,234,264.24
33	12/31/2016	1/5/2017	\$9,064,873.28	\$342,820.60	\$8,722,052.68	\$856,411.52	<a href="#">1/19/2017</a>	\$5,377,852.72
34	1/31/2017	2/3/2017	\$10,476,583.85	\$347,842.61	\$10,128,741.24	\$1,406,688.56	<a href="#">2/15/2017</a>	\$3,971,164.16
35	2/28/2017	3/3/2017	\$11,660,319.35	\$398,802.86	\$11,261,516.49	\$1,132,775.25	<a href="#">3/14/2017</a>	\$2,838,388.91
36	3/31/2017	4/7/2017	\$12,141,797.34	\$422,785.46	\$11,719,011.88	\$457,495.39	<a href="#">4/19/2017</a>	\$2,380,893.52
37	4/30/2017	5/8/2017	\$12,163,132.74	\$423,852.23	\$11,739,280.51	\$20,268.63	<a href="#">5/15/2017</a>	\$2,498,318.57
38	4/30/2017	5/8/2017	\$12,172,337.94	\$317,063.24	\$11,855,274.70	\$115,994.19	<a href="#">6/14/2017</a>	\$2,373,798.42
39	6/30/2017	7/7/2017	\$12,199,186.44	\$317,446.80	\$11,881,739.64	\$26,464.94		\$2,347,333.48

**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 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 approval
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
19*	Flood Event Emergency Pumping at Pump Stations Site 5 & 10	Other	\$310,153.93	\$0.00	NA	NA	NA	3.76%	1/20/2016	Approved	Flood Event Emergency Pumping at Pump Stations Site 5 & 10
20*	RW Rehab Clean & Test; PZ 875 L	Other	\$23,178.10	\$0.00	5.22 5.23 NA	\$ 181,620.00	0.28%	0.16%	3/18/2016	Approved	RW Rehab Clean & Test; PZ 875 L
21	Credit change Mopac Sluice Gate	Other	-\$17,715.53	\$0.00	5.30 5.32	\$ 157,587.00	-11.24%	-0.21%	3/31/2016	Approved	Credit change Mopac Sluice Gate
22*	RW Floor Drain Plugging & Deletion	Field	\$3,850.10	\$0.00	NA	NA	NA	0.05%	7/20/2016	Approved	RW Floor Drain Plugging & Deletion
23*	Credit Relief Well Quantity Adjustments	Field	-\$207,274.33	\$0.00	5.27 5.28	\$ 3,204,234.48	-6.47%	-2.51%	8/17/2016	Approved	Credit Relief Well Quantity Adjustments
24	Credit Delete Casing Pipe Supports	Other	-\$714.50	\$0.00	5.27 5.28	\$ 3,204,234.48	-0.02%	-0.01%	11/1/2016	Approved	Credit Delete Casing Pipe Supports
25*	Clay Cap Keyway Subsurface Conditions Time Ext to 11/15/17	Field	\$137,693.68	\$0.00	5.08	\$ 1,882,247.68	7.32%	1.67%	4/19/2017	Approved	Clay Cap Keyway Subsurface Conditions; Time Ext to 11/15/17
26	Balancing Quantities Credit HDPE Pipe - 12 Inch	Other	-\$8,525.96	\$0.00	5.12	\$ 244,662.00	-3.48%	-0.10%	6/8/2017		Balancing Quantities Credit HDPE Pipe - 12 Inch
<b>Total of Project Change Orders</b>			<b>\$5,952,892.50</b>	<b>\$19,698.78</b>							<b>\$5,972,591.28</b>
Original Contract Amount			\$8,256,481.84								
Revised Contract Amount			14,229,073.12								
											% Change from Original Amount
											72.34%

\*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

<b>Change Order #1:</b>	\$0.00	Spiral Wound Slip Lining
<b>Change Order #2:</b>	\$1,870.00	Bronze Survey Markers
<b>Change Order #3:</b>	\$132,809.60	Red Flint Filter Pack Material
<b>Change Order #4:</b>	\$12,040.40	Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"
<b>Change Order #5:</b>	\$29,566.29	SaniTite pipe upgrade and air testing on 30"-42" pipe
<b>Change Order #6:</b>	\$26,950.00	Vacuum testing manholes
<b>Change Order #7:</b>	\$205,863.75	Additional Pilot Hole Drilling & Additional Pilot Hole Sampling
<b>Change Order #8:</b>	\$4,210.00	Raise to Grade Piezometer
<b>Change Order #9:</b>	\$9,504.00	Modify Piezometer
<b>Change Order #10:</b>	\$18,339.63	12" Surface Aggregate
<b>Change Order #11:</b>	\$1,282,932.15	Relief Well Quantity Changes
<b>Change Order #12:</b>	\$37,935.66	Various Changes for Board Approval
<b>Change Order #13:</b>	\$43,664.49	Various Changes for Board Approval
<b>Change Order #14:</b>	\$177,854.69	Relief Well Construction Obstruction
<b>Change Order #15:</b>	\$0.00	Contract Time Extension to September 30, 2015
<b>Change Order #16:</b>	\$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
<b>Change Order #17:</b>	(\$10,106.25)	Credit-Remove Vacuum Testing of Manholes
<b>Change Order #18:</b>	\$63,230.97	60 Slot Relief Well Redesign
<b>Change Order #19:</b>	\$20,923.32	Relief Well Construction Obstruction
<b>Change Order #20:</b>	\$17,910.08	Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ
<b>Change Order #21:</b>	\$4,562.64	Relief Well Construction Obstruction
<b>Change Order #22:</b>	\$83,071.89	RCP at Pulcher's Driveway and Increase in Relief Well Quantities
<b>Change Order #23:</b>	\$38,213.76	Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L
<b>Change Order #24:</b>	\$14,496.25	Collection Pipe P 145X
<b>Change Order #25:</b>	\$0.00	Contract Time Extension to December 31, 2015
<b>Change Order #26:</b>	\$3,770.53	Right of Way Monuments Resetting @ stations 338+00 and 533+00
<b>Change Order #27:</b>	\$0.00	Contract Time Extension
<b>Change Order #28:</b>	\$123,507.94	Pipeline Repair
<b>Change Order #29:</b>	\$0.00	Contract Time Extension to September 8, 2016
<b>Change Order #30:</b>	\$218,282.42	Remob for RWs; Quantity Adjustments for Berms and Clay Cap
<b>Change Order #31:</b>	\$79,992.22	Pulcher Drainage Improvements
<b>Change Order #32:</b>	-\$72,271.08	Credit Various Work Items Pipe Casing, Pipe Repair, Fernco, Pulcher
<b>Total Change Order Amount:</b>	<b>\$2,579,129.39</b>	
<b>otal Revised Contract Amount:</b>	<b>\$15,436,257.14</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 Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	12/1/2013	12/9/2013	\$85,500.00	\$8,550.00	\$76,950.00	\$76,950.00	<a href="#">12/20/2013</a>	\$12,780,177.75
2	1/1/2014	2/10/2014	\$302,624.00	\$30,262.40	\$272,361.60	\$195,411.60	<a href="#">2/20/2014</a>	\$12,584,766.15
3	2/3/2014	2/10/2014	\$1,082,723.00	\$108,272.30	\$974,450.70	\$702,089.10	<a href="#">2/20/2014</a>	\$11,882,677.05
4	3/1/2014	3/14/2014	\$1,486,548.00	\$148,654.80	\$1,337,893.20	\$363,442.50	<a href="#">3/25/2014</a>	\$11,519,234.55
5	4/1/2014	4/16/2014	\$2,819,792.90	\$281,979.29	\$2,537,813.61	\$1,199,920.41	<a href="#">4/22/2014</a>	\$10,321,184.14
6	5/1/2014	5/13/2014	\$3,912,098.90	\$391,209.89	\$3,520,889.01	\$983,075.40	<a href="#">5/22/2014</a>	\$9,338,108.74
7	6/1/2014	6/10/2014	\$4,741,611.90	\$474,161.19	\$4,267,450.71	\$746,561.70	<a href="#">6/19/2014</a>	\$8,591,547.04
8	7/1/2014	7/14/2014	\$5,406,637.90	\$540,663.79	\$4,865,974.11	\$598,523.40	<a href="#">7/17/2014</a>	\$8,125,833.24
9	8/1/2014	8/8/2014	\$5,785,001.65	\$578,500.17	\$5,206,501.49	\$340,527.38	<a href="#">8/19/2014</a>	\$8,073,440.31
10	9/3/2014	9/5/2014	\$6,053,869.33	\$605,386.93	\$5,448,482.40	\$241,980.91	<a href="#">9/15/2014</a>	\$7,849,799.02
11	10/1/2014	10/3/2014	\$6,752,179.87	\$675,217.99	\$6,076,961.88	\$628,479.49	<a href="#">10/16/2014</a>	\$8,504,251.69
12	11/1/2014	11/10/2014	\$7,466,202.56	\$746,620.26	\$6,719,582.30	\$642,620.41	<a href="#">11/18/2014</a>	\$7,899,566.94
13	12/1/2014	12/8/2014	\$8,071,969.19	\$807,196.92	\$7,264,772.27	\$545,189.97	<a href="#">12/18/2014</a>	\$7,398,041.46
14	1/1/2015	1/13/2015	\$9,086,036.15	\$454,301.81	\$8,631,734.33	\$1,366,962.07	<a href="#">1/26/2015</a>	\$6,031,079.39
15	2/1/2015	2/6/2015	\$10,631,046.43	\$531,552.32	\$10,099,494.11	\$1,467,759.77	<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

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 (\$)
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	<a href="#">1/20/2016</a>	\$1,093,085.14
27	2/1/2016	2/5/2016	\$14,690,989.09	\$679,041.09	\$14,011,948.00	\$18,287.50	<a href="#">2/17/2016</a>	\$1,074,797.64
28	3/31/2016	4/14/2016	\$14,734,532.27	\$420,767.79	\$14,313,764.48	\$301,816.49	<a href="#">4/20/2016</a>	\$772,981.15
29	4/30/2016	5/12/2016	\$14,890,787.97	\$429,290.09	\$14,461,497.88	\$147,733.40	<a href="#">5/17/2016</a>	\$748,755.70
30	5/31/2016	6/10/2016	\$15,014,310.95	\$486,735.97	\$14,527,574.98	\$66,077.10	<a href="#">6/16/2016</a>	\$682,678.60
31	6/30/2016	7/7/2016	\$15,070,725.18	\$371,548.01	\$14,699,177.17	\$171,602.19	<a href="#">7/15/2016</a>	\$511,076.41
32	7/31/2016	8/2/2016	\$15,295,183.00	\$373,143.70	\$14,922,039.30	\$222,862.13	<a href="#">8/15/2016</a>	\$506,496.70
33	8/31/2016	9/9/2016	\$15,319,884.59	\$373,143.70	\$14,946,740.89	\$24,701.59	<a href="#">9/20/2016</a>	\$481,795.11
34	10/31/2016	11/9/2016	\$15,383,878.36	\$373,143.69	\$15,010,734.67	\$63,993.78	<a href="#">11/16/2016</a>	\$497,793.55
35	11/30/2016	12/5/2016	\$15,427,757.16	\$366,735.97	\$15,061,021.19	\$50,286.52	<a href="#">12/23/2016</a>	\$375,235.95
36	1/31/2017	2/2/2017	\$15,436,257.14	\$366,735.97	\$15,069,521.17	\$8,499.98	<a href="#">2/15/2017</a>	\$366,735.97

\* \$366,735.97 submitted to Monroe County Circuit Court for the lien from MSI

**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
27*	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	5/6/2016	Approved	94 additional working days to be added to the contract time due to weather/river delays. New contract dates to be 7/26/16 substantial and 8/26/16 final.
28*	Pipeline Repair	Field	\$123,507.94	\$0.00	NA	NA	NA	0.96%	3/18/2016	Approved	Village of East Carondelet Pipeline Repair; approved in March Board meeting. (This change order includes \$29,950 approved by Board in Sept. 2015 and \$93,557.94 approved by Board in March 2016.)
29	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	7/5/2016	Approved	7 additional working days to be added to the contract time due to weather/river delays. New contract final completion date to become 9/8/16.

**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
30*	Remobilization Charge for RW 70A, 70B, and 70C; Quantity rectification for Seepage Berms and Clay Caps	Other	\$218,282.42	\$0.00	NA	NA	NA	1.70%	7/20/2016	Approved	Remobilization Charge for RW 70A, 70B, and 70C; Quantity rectification for Seepage Berms and Clay Caps ; Board approval required.
31*	Pulcher Drainage Improvements	Field	\$79,992.22	\$0.00	NA	NA	NA	0.62%	9/30/2016	Approved	Pulcher Drainage Improvements approved by Board May 18, 2016
32	Credit Various Work Items	Other	-\$72,271.08	\$0.00	NA	NA	NA	-0.56%	11/16/2016	Approved	Credit Various Work Items Pipe Casing, Pipe Repair, Fernco, Pulcher
<b>Total</b>			<b>\$2,579,129.39</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 2,579,129.39</b>
<b>Original Contract Amount</b>			<b>\$12,857,127.75</b>								
<b>Revised Contract Amount</b>			<b>\$15,436,257.14</b>	<b>20.06%</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:** \$150,900.00 Verification Coring and Extra Rock  
**Change Order #3:** \$81,471.82 Panel 78 Bite P2 Replacement  
**Change Order #4:** \$35,123.82 Slurry Cutoff Wall Overage  
**Change Order #5:** \$125,189.36 Bike Trail Revisions  
**Change Order #6:** \$428,578.26 Flood Event Damage Dec 2015 and Jan 2016  
**Total Change Order Amount:** \$821,263.26  
**Total Revised Contract Amount:** \$14,812,263.26

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	12/31/2015	1/8/2016	\$4,822,985.68	\$482,298.57	\$4,340,687.11	\$865,126.53	<a href="#">1/20/2016</a>	\$9,650,312.89
8	1/31/2016	2/8/2016	\$6,161,020.23	\$616,102.02	\$5,544,918.21	\$1,204,231.10	<a href="#">2/17/2016</a>	\$8,446,081.79
9	2/29/2016	3/9/2016	\$8,353,561.13	\$766,225.51	\$7,587,335.62	\$2,042,417.41	<a href="#">3/17/2016</a>	\$6,403,664.38
10	3/31/2016	4/12/2016	\$11,312,150.77	\$914,155.00	\$10,397,995.77	\$2,810,660.15	<a href="#">4/20/2016</a>	\$3,593,004.23
11	4/30/2016	5/12/2016	\$12,233,884.46	\$960,241.68	\$11,273,642.78	\$875,647.01	<a href="#">5/17/2016</a>	\$2,984,852.86
12	5/31/2016	6/10/2016	\$12,667,851.08	\$981,940.01	\$11,685,911.07	\$412,268.28	<a href="#">6/16/2016</a>	\$2,572,584.57
13	6/30/2016	7/6/2016	\$13,147,536.91	\$657,376.85	\$12,490,160.07	\$804,249.00	<a href="#">7/15/2016</a>	\$1,893,524.93
14	7/31/2016	8/3/2016	\$13,901,247.73	\$695,062.39	\$13,206,185.34	\$716,025.27	<a href="#">8/15/2016</a>	\$1,606,077.92
15	8/31/2016	8/31/2016	\$14,200,035.60	\$46,578.61	\$14,153,456.99	\$947,271.65	<a href="#">9/20/2016</a>	\$658,806.27
16	9/30/2016	10/6/2016	\$14,297,251.87	\$9,939.42	\$14,287,312.45	\$133,855.46	<a href="#">10/11/2016</a>	\$524,950.81
17	10/31/2016	11/10/2016	\$14,307,743.77	\$10,464.02	\$14,297,279.75	\$9,967.31	<a href="#">11/16/2016</a>	\$514,983.50
18	5/31/2017	6/9/2017	\$14,382,035.77	\$14,178.62	\$14,367,857.15	\$70,577.40	<a href="#">6/14/2017</a>	\$444,406.11





# Republic-Times

Volume 131, No. 26

Wednesday, June 28, 2017

75¢ copy • \$30/year • \$35 out-of-county

## Levee project has goal in its sight

By ALAN DOOLEY  
For the Republic-Times

A regional effort 10 years in the making to strengthen river levees protecting the metro-east should achieve a major goal by next year, attendees at last Wednesday's Columbia Chamber of Commerce lunch meeting were told.

Featured speaker Chuck Elwert, chief supervisor of Construction and Works for the Southwestern Illinois Flood Prevention District, said the 65-mile system of levees along the Illinois side of the Mississippi River has nearly reached its key goal of 100-year protection.

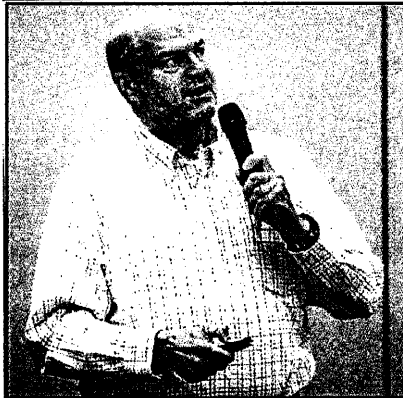
"Our target date to achieve FEMA accreditation of the three-county system is 2018," Elwert affirmed.

The next effort will be 300-year protection.

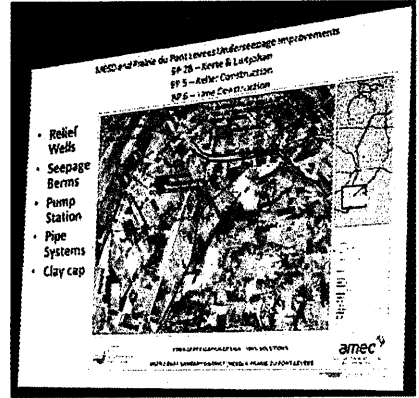
Local work has focused on limiting underseepage in the Prairie du Pont and Fish Lake levee districts. Elwert noted that the work in Monroe County is being submitted to FEMA this month.

Elwert pointed out that the work did not include raising the levees.

See LEVEES 2A



Chuck Elwert, Chief Supervisor of Construction and Works for the Southwestern Illinois Flood Prevention District, provides an update on levee work last Wednesday in Columbia. (Alan Dooley photos)



"Not an inch," he stressed. He said the levees, built by the U.S. Army Corps of Engineers in the 1940s and 50s, were the correct height. The issue was, and remains, guaranteeing stability and strength to resist flooding.

Elwert reviewed the history of events leading to this project. In 2007, the Corps of Engineers raised questions about the strength of the levees, which

were then certified to provide so-called 500-year protection. But questions emerged following flooding caused by Hurricane Katrina in New Orleans in August 2005 and subsequent studies of area levees.

The Federal Emergency Management Agency — the budget of which had been virtually eliminated by Katrina — moved swiftly to say it intended to de-accredit the 100-year protection

level of the levees, and map protected land as now being in a flood zone.

Considering the levees had served well in the 1993 flood, 300-year level event, that seemed unimportant. But FEMA administers the National Flood Insurance Program, and flood insurance required for all federally insured loan properties would skyrocket up to 10 times.

Elwert said that would cost area citizens and businesses an estimated \$50 million a year. This, in turn, would drive property values in the newly designated flood area down drastically.

State Senator Bill Haine pushed through legislation allowing Madison, St. Clair and Monroe counties to levy a quarter percent sales tax to finance rebuilding the levees.

By 2008, the three counties had entered into an intergovernmental agreement, joining to focus the estimated \$11.5 million in annual receipts on the entire project and issuing bonds to get the work started and accelerated. Their new "face" in this crisis countered FEMA's threat with a federal lawsuit.

In the meantime, Elwert said, the Corps of Engineers estimated this work would take until 2044 to complete.

By 2010, the flood protection group had brought the international firm of AMEC Foster Wheeler on board to manage the project. Each county was represented by three individuals, forming a board of directors, which Elwert praised as the "best he has ever worked with" in his long career.

FEMA also backed off when it saw the seriousness and commitment of the region, and said it would not re-map the region until at least 2019.

The 100-year protection level was determined to require some \$117 million to achieve. Elwert said. As of today, only \$3.2 million in contract work remains to be finished.

The completion date is weather dependent. Elwert said, noting flood events in June-July 2015, January 2016 and April-

May 2017 that stalled work.

The levees were initially built high enough to provide 500-year protection. Their elevation is 52.5 feet — plus two feet of freeboard to halt wave action.

"We want to restore this 'gold standard' that has protected the bottoms for more than half a century," Elwert said.

And with money left from tax receipts and bonds for the 100-year project, plus remaining bonding authority — if the Corps of Engineers comes through with its share on time — it is believed 500-year protection level could be reached by as early as 2024.

"We are working with the Corps to make final determinations of what's required to reach the 500-year protection milestone," Elwert said.

Turning to the nine-person board that has focused hundreds of hours of work on the project, Elwert said it should be viewed as a model for other similar intergovernmental efforts nationwide.

The project has been of special benefit to Monroe County levee districts — a total of \$16.2 million has been spent for clay caps, seepage berms, piping, relief wells, sluice gates and one new pump station for the Fish Lake Levee District. That is balanced against just \$4.3 million collected in taxes, to date.

Also during the meeting, Columbia City Engineer Chris Smith briefly updated ongoing work with FEMA in the re-mapping of city properties that may be affected by three creeks that drain the area. He noted that work remains to confirm creek elevation contours, and he is waiting to hear back from FEMA on questions posed to its regional office.

He said the issue in Columbia is not part of the Flood Prevention District's project, because that is focused on Mississippi River flood management and not interior issues.

Those interested in following progress on the levees can visit [www.floodpreventiondistrict.org](http://www.floodpreventiondistrict.org).





Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Budget and Disbursement Report for June 2017  
Date: July 17, 2017

Current Budget Highlights

Attached is the financial statement for June 2017 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending June 30, 2017, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2016 are \$31,088,450 while revenues amounted to \$9,252,097 resulting in a deficit of \$21,836,353. A total of \$29,192,280 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 of \$985,112 for April 2017 (the latest month reported by the Illinois Department of Revenue) were up 6.14% from last year. This is the highest amount ever collected in April and is the sixth month in a row with the highest receipts collected for that particular month. Receipts are up 3.54% from last year, which was our highest year.

Monthly Disbursements

Attached is the list of bank transactions for June 2017. Total disbursements for the month were \$3,923,113.11. The largest payments were to Corps of Engineers, Keller Construction for BP #5, TREVIICOS South for BP #7B, and Amec Foster Wheeler.

Recommendation:

Accept the budget report and disbursements for June 2017.







**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**NINE MONTHS ENDED JUNE 30, 2017 AND 2016**





**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 nine months ended June 30, 2017 and 2016, 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 or a conclusion, nor provide any form of assurance 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, 2017 and 2016, 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  
July 10, 2017

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
NINE MONTHS ENDED JUNE 30, 2017 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2017 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET
	ORIGINAL	FINAL		POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,750,000	\$ 11,750,000	\$ 8,697,075	\$ 3,052,925
Interest Income	640,000	640,000	555,022	84,978
Other Contributions	-	-	-	-
Total Revenues	<u>12,390,000</u>	<u>12,390,000</u>	<u>9,252,097</u>	<u>3,137,903</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	9,197,055	9,197,055	3,396,573	5,800,482
Construction	22,840,515	22,840,515	11,584,012	11,256,503
Construction and design by US ACE	5,760,115	5,760,115	3,803,500	1,956,615
Total Design and Construction	<u>37,797,685</u>	<u>37,797,685</u>	<u>18,784,085</u>	<u>19,013,600</u>
Professional Services				
Legal & Legislative Consulting	458,500	458,500	236,575	221,925
Diversity Program Manager	25,000	25,000	-	25,000
Financial Advisor	65,000	65,000	12,820	52,180
Bond Underwriter/Conduit Issuer	12,000	12,000	6,031	5,969
Total Professional Services	<u>560,500</u>	<u>560,500</u>	<u>255,426</u>	<u>305,074</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,911,400	1,911,400	741,819	1,169,581
Monroe County	202,080	202,080	76,732	125,348
St. Clair County	1,886,520	1,886,520	731,121	1,155,399
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>1,549,672</u>	<u>2,450,328</u>
Debt Service				
Principal and Interest	10,725,020	10,725,020	10,725,020	-
Federal Interest Subsidy	(848,250)	(848,250)	(423,670)	(424,580)
Total Debt Service	<u>9,876,770</u>	<u>9,876,770</u>	<u>10,301,350</u>	<u>(424,580)</u>
Total Operating Expenses	<u>52,234,955</u>	<u>52,234,955</u>	<u>30,890,533</u>	<u>21,344,422</u>
General and Administrative Costs				
Salaries, Benefits	203,000	203,000	151,729	51,271
Bank Service Charges	1,500	1,500	793	707
Conference Registration	350	350	307	43
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	30,000	30,000	22,240	7,760
Audit Services	15,500	15,500	15,500	-
Meeting Expenses	1,000	1,000	638	362
Postage/Delivery	400	400	673	(273)
Printing/Photocopies	3,500	3,500	1,822	1,678
Professional Services	10,000	10,000	-	10,000
Publications/Subscriptions	250	250	-	250
Supplies	3,300	3,300	1,732	1,568
Telecommunications/Internet	3,000	3,000	1,680	1,320
Travel	5,000	5,000	318	4,682
Insurance	1,000	1,000	485	515
Total General & Administrative Costs	<u>279,800</u>	<u>279,800</u>	<u>197,917</u>	<u>81,883</u>
Total Expenditures	<u>52,514,755</u>	<u>52,514,755</u>	<u>31,088,450</u>	<u>21,426,305</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(40,124,755)	(40,124,755)	(21,836,353)	18,288,402
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (40,124,755)</u>	<u>\$ (40,124,755)</u>	<u>\$ (21,836,353)</u>	<u>\$ 18,288,402</u>

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

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET
	ORIGINAL	FINAL		POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,500,000	\$ 11,500,000	\$ 8,606,054	\$ 2,893,946
Interest Income	75,000	75,000	439,682	(364,682)
Other Contributions	-	-	5	(5)
Total Revenues	<u>11,575,000</u>	<u>11,575,000</u>	<u>9,045,741</u>	<u>2,529,259</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	13,939,900	14,933,787	3,498,508	11,435,279
Construction	26,597,316	44,674,432	19,176,694	25,497,738
Construction and design by US ACE	2,739,245	2,739,245	2,439,618	299,627
Total Design and Construction	<u>43,276,461</u>	<u>62,347,464</u>	<u>25,114,820</u>	<u>37,232,644</u>
Professional Services				
Legal & Legislative Consulting	391,000	391,000	344,506	46,494
Diversity Program Manager	25,130	25,130	16,155	8,975
Financial Advisor	83,200	83,200	92,849	(9,649)
Bond Underwriter/Conduit Issuer	10,000	10,000	3,627	6,373
Total Professional Services	<u>509,330</u>	<u>509,330</u>	<u>457,137</u>	<u>52,193</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,911,400	1,911,400	1,597,538	313,862
Monroe County	202,080	202,080	168,498	33,582
St. Clair County	1,886,520	1,886,520	1,589,585	296,935
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>3,355,621</u>	<u>644,379</u>
Debt Service				
Principal and Interest	7,103,089	7,103,089	9,483,278	(2,380,189)
Federal Interest Subsidy	(843,700)	(843,700)	(424,125)	(419,575)
Total Debt Service	<u>6,259,389</u>	<u>6,259,389</u>	<u>9,059,153</u>	<u>(2,799,764)</u>
Total Operating Expenses	<u>54,045,180</u>	<u>73,116,183</u>	<u>37,986,731</u>	<u>35,129,452</u>
General and Administrative Costs				
Salaries, Benefits	196,500	196,500	144,262	52,238
Bank Service Charges	1,500	1,500	1,025	475
Conference Registration	350	350	307	43
Equipment and Software	2,000	2,000	433	1,567
Fiscal Agency Services	29,000	29,000	21,800	7,200
Audit Services	15,000	15,000	15,000	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	244	156
Printing/Photocopies	2,500	2,500	2,599	(99)
Professional Services	10,000	10,000	257	9,743
Publications/Subscriptions	250	250	115	135
Supplies	3,000	3,000	2,241	759
Telecommunications/Internet	3,000	3,000	1,891	1,109
Travel	5,000	5,000	399	4,601
Insurance	1,000	1,000	942	58
Total General & Administrative Costs	<u>270,500</u>	<u>270,500</u>	<u>191,515</u>	<u>78,985</u>
Total Expenditures	<u>54,315,680</u>	<u>73,386,683</u>	<u>38,178,246</u>	<u>35,208,437</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(42,740,680)	(61,811,683)	(29,132,505)	32,679,178
OTHER FINANCING SOURCES				
Proceeds From Borrowing	65,000,000	77,545,236	83,835,000	(6,289,764)
NET CHANGE IN FUND BALANCE	<u>\$ 22,259,320</u>	<u>\$ 15,733,553</u>	<u>\$ 54,702,495</u>	<u>\$ (38,968,942)</u>

# Flood Prevention District Sales Tax Trends 2009-2017

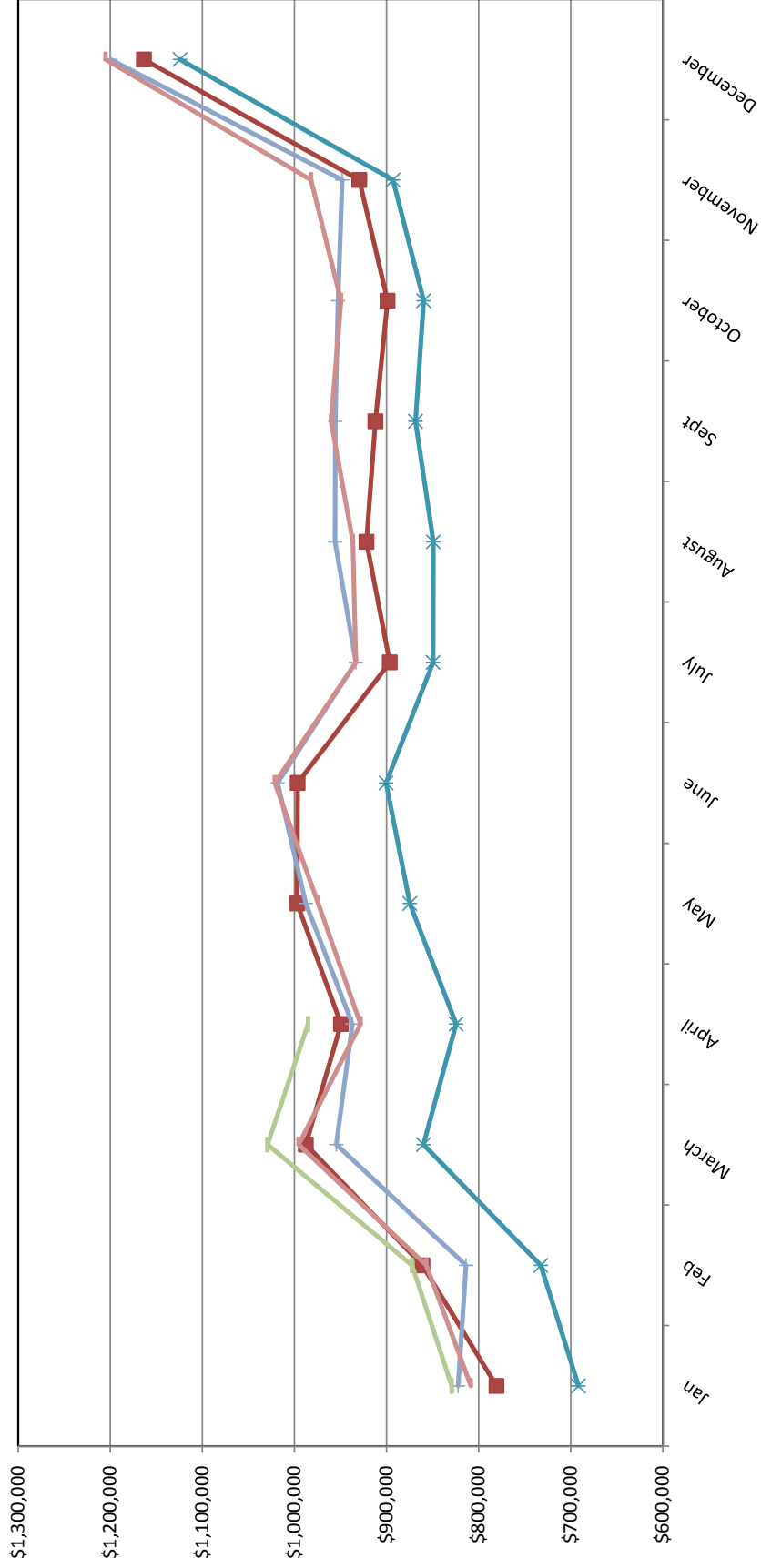
2009												County Share		
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total	
Madison	\$321,968	\$336,765	\$397,425	\$387,385	\$414,350	\$421,402	\$399,616	\$401,188	\$400,090	\$404,847	\$405,930	\$492,814	\$4,783,780	46.319%
St. Clair	\$337,979	\$362,696	\$424,556	\$398,395	\$419,126	\$438,230	\$411,968	\$410,484	\$429,852	\$412,637	\$446,806	\$581,721	\$5,074,450	49.134%
Monroe	\$31,641	\$32,903	\$37,830	\$38,757	\$41,326	\$40,847	\$37,817	\$37,497	\$38,652	\$42,270	\$40,332	\$49,755	\$469,627	4.547%
Total Month	\$691,588	\$732,364	\$859,811	\$824,537	\$874,802	\$900,479	\$849,401	\$849,169	\$868,594	\$859,754	\$893,068	\$1,124,290	\$10,327,857	
Cumulative Total	\$691,588	\$1,423,952	\$2,283,763	\$3,108,300	\$3,983,102	\$4,883,581	\$5,732,982	\$6,582,151	\$7,450,745	\$8,310,499	\$9,203,567	\$10,327,857		
<b>2010</b>														
Madison	\$353,146	\$374,416	\$456,795	\$462,697	\$440,815	\$452,308	\$427,329	\$433,047	\$419,455	430,210	\$442,904	\$529,069	\$5,222,191	47.272%
St. Clair	\$367,458	\$399,480	\$464,089	\$439,748	\$439,139	\$458,299	\$421,447	\$423,718	\$424,971	\$429,581	\$457,927	587,067	\$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		
<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		
<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		
<b>2013</b>														
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	47.062%
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	48.011%
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	4.927%
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%		





# Flood Prevention District Sales Tax Trends 2009-2017

## Monthly Receipts 2009-2012-2015-2016-2017



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL**  
**SUPPLEMENTARY SUPPORTING SCHEDULE**  
**BANK TRANSACTIONS**  
**June 30, 2017**

Beginning Bank Balance June 1,		\$	<b>853,323.52</b>
Receipts			
UMB	06/15/2017 Funds Transfer - Construction		3,268,067.06
UMB	06/15/2017 Funds Transfer - Admin		36,031.48
The Bank of Edwardsville	06/30/2017 Interest		1,386.25
		\$	<b>3,305,484.79</b>
Disbursements			
AT&T	06/01/2017 Tablet Service		32.32
Dorgan, McPike & Assoc, LTD	06/01/2017 Legal & Legislative		3,000.00
Juneau Associates	06/01/2017 Design and Construction		4,080.01
Microsoft Office	06/02/2017 Subcription		0.99
Smith Dawson & Andrews	06/07/2017 Government Relations		5,000.00
Sprague and Urban	06/07/2017 Legal & Legislative		75.00
CliftonLarsonAllen LLP	06/07/2017 Fiscal Agent		2,321.01
East-West Gateway Council fo Governments	06/14/2017 Supervisor Mgt Services		17,554.42
Amec Foster Wheeler Environment & Infracore	06/14/2017 Design & Construcion		303,821.99
FAO, USAED, St Louis	06/14/2017 Construction		2,700,000.00
Husch Blackwell	06/14/2017 Legal & Legislative		14,522.26
The Bank of Edwardsville	06/14/2017 Wire Fees		15.00
The Bank of Edwardsville	06/14/2017 Wire Fees		15.00
The Bank of Edwardsville	06/14/2017 Wire Fees		15.00
Keller Construction Inc	06/15/2017 Construction		20,854.21
Keller Construction Inc	06/15/2017 Construction		115,994.19
TREVICOS South	06/15/2017 Construction		70,577.40
The Bank of Edwardsville	06/15/2017 Wire Fees		10.00
The Bank of Edwardsville	06/15/2017 Wire Fees		10.00
Columbia Capital	06/19/2017 Financial Advisor		900.00
FAO, USAED, St Louis	06/19/2017 Construction		648,500.00
ScheffelBoyle	06/19/2017 Audit fee		15,500.00
Cost Less Copy Center	06/20/2017 Board Meeting Expense		206.00
AT&T	06/26/2017 Telephone		72.65
Office Depot	06/26/2017 Office Supplies		18.10
The Bank of Edwardsville	06/30/2017 Bank Charges		17.56
		\$	<b>3,923,113.11</b>
		\$	<b>235,695.20</b>



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: FY 2018 Annual Budget  
Date: July 17, 2017

As is our custom, the Board first reviews the draft budget for the coming fiscal year at our July Board meeting, with final adoption at the August meeting. By law, the Council's budget must be adopted by August 31 of each year for the fiscal year beginning October 1. The budget must be submitted to the county boards for approval after which they have 30 days to act on it.

The FY 2018 budget focuses on the completion of all construction needed to achieve FEMA accreditation. Unfortunately, during FY2017 as in FY2016, delays were experienced due to high river conditions. The flood event in April/May of this year was the sixth highest elevation ever recorded. This event has pushed back the completion of a large clay cap in MESD, the lining of the East St. Louis 126-inch Sewer, and the construction of four remaining relief wells in the Wood River area. This has pushed the accreditation schedule back to December 2018.

We will enter FY 2018 with the ten current construction contract packages being over ninety-six percent complete, and all of them being completed by November 2017.

Three certification reports have been submitted to FEMA to date. Amec Foster Wheeler submitted the Wood River East & West Forks Package in December 2016 and the Prairie Du Pont/Fish Lake Package two weeks ago. They will be submitting the Lower Wood River Package in September, subject to the river receding allowing for the construction of the remaining four relief wells.

The Corps of Engineers submitted the Upper Wood River Package in March and will submit the MESD Package in early 2018. FEMA has indicated that their review will take anywhere from three to twelve months. Since it has be

The FEMA accreditation is anticipated to be achieved by the end of 2018.

The construction of the project did not progress as fast as expected in the FY2017. After completing \$14.5 million of construction FY 2014, \$26.8 million in FY2015, and \$19.9 million in FY 2016, it appears that approximately \$11.5 million will be completed in FY 2017, leaving a balance of \$1.7 million to be completed in FY 2017. Construction of all of the 100-Year

Projects will be completed in FY 2018. Administrative expenditures, which are a relatively small portion of our costs, remain virtually unchanged for the next year.

In general, expenditures for next year's budget are based on completion of the 100 Year Level of Protection Projects, and the continuation of the 500-Year Authorized Level Projects. I have continued the past practice of making conservative revenue and expenditure assumptions.

A draft FY 2018 budget is shown in Table 1.

Key assumptions are:

1. All 100-Year Level project construction will be completed by November 30, 2017 and FEMA certification will be achieved by the end of 2018.
2. The level of Council staffing does not change in FY 2018, and general and administrative costs continue to remain a very small portion of the project expenditures (less than 1%). Staff resources continue to be supplemented by the significant use of consulting and professional services.
3. In accordance with the bond indenture, all sales tax receipts are intercepted by the Trustee and any surpluses after payment of debt service and Council administrative costs will be transferred back to the county FPD funds for use in future project financing. These transfers are shown as expenditures in the budget.
4. A 10% construction cost contingency is included for all construction on all projects currently being built or to be built.
5. Sales tax revenue is estimated to increase by 2.00% over the estimated receipts for the current year. Our current increase level thru July of this year is 3.54%. Interest income is based on information received from our financial advisor
6. Funding for Corps of Engineers' oversight on FPD design and construction has been included. These funds will satisfy the Corps of Engineers' five percent cash requirement on future projects constructed by the Corps and may in some instances satisfy a small portion of the Work In-Kind requirement.
7. The Council will continue to work with levee districts in establishing funding sources, where and if needed, for the maintenance and operations of the 100-Year Improvements and Authorized Level Improvements being built.
8. County FPD sales tax funds will be used for the 500-Year Authorized Level Projects, after all of the Council's funds have been utilized.
9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers, now utilizing the Risk Informed Process, to determine individual project risk

factors, which could change project priorities and design responsibilities between the Corps and Amec Foster Wheeler.

Table 2 provides more details on the project expenditures for design, construction management, and construction.

Table 3 compares expenses to revenues between 7/1/2017 and 9/30/2018. The table illustrates, all 2010 Bond Issue construction funds have been spent, the amount of available 2015 Bond Issue construction funds is \$45,097,276, and total amount of individual County FPD funds is \$29,192,280.

Table 4 illustrates potential Authorized Level funding is approximately \$91. million.

These tables and the draft budget illustrate that the Council will meet its goal of achieving FEMA certification with the revenue available from the dedicated FPD sales tax and have sufficient funds available for Authorized Level improvements. Easements, high river stages, and construction delays have push accreditation back the last two years, but the Council is well on the way to achieving accreditation in 2018.

After considering any comments or suggestions over the next month, a final FY 2018 budget will be presented at the August Board meeting for adoption and forwarding to the county boards for their approval.



Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
PROPOSED BUDGET  
OCTOBER 1, 2017 THRU SEPTEMBER 30, 2018**

	ACTUAL EXPENDITURES OCTOBER 1, 2015 THRU SEPTEMBER 30, 2016	ADOPTED BUDGET OCTOBER 1, 2016 THRU SEPTEMBER 30, 2017	PROJECTED EXPENDITURES OCTOBER 1, 2016 THRU SEPTEMBER 30, 2017	PROPOSED BUDGET OCTOBER 1, 2017 THRU SEPTEMBER 30, 2018
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,529,755	\$ 11,750,000	\$ 11,679,251	\$ 11,835,000
Interest Income	595,947	640,000	725,059	225,000
Other Contributions	5	-	-	-
Total Revenues	<u>\$ 12,125,707</u>	<u>\$ 12,390,000</u>	<u>\$ 12,404,310</u>	<u>\$ 12,060,000</u>
<b>EXPENDITURES</b>				
Design and Construction				
Engineering Design & Construction Management	4,999,805	9,197,055	5,025,720	5,688,038
Construction	24,396,727	22,840,515	12,512,243	7,330,945
USACE Authorized Level Costs	2,439,618	5,760,115	7,652,000	6,157,291
Total Design and Construction	<u>\$ 31,836,150</u>	<u>\$ 37,797,685</u>	<u>\$ 25,189,963</u>	<u>\$ 19,176,274</u>
Professional Services				
Legal & Legislative Consulting	424,845	458,500	352,682	486,000
Diversity Program Manager	16,155	25,000	-	11,525
Financial Advisor	95,549	65,000	31,420	65,000
Bond Trustee Fee	12,351	12,000	15,000	16,000
Total Professional Services	<u>\$ 548,900</u>	<u>\$ 560,500</u>	<u>\$ 399,102</u>	<u>\$ 578,525</u>
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	<u>\$ 3,355,621</u>	<u>\$ 4,000,000</u>	<u>\$ 2,194,051</u>	<u>\$ 3,000,000</u>
Debt Service				
Principal and Interest	9,483,278	10,725,020	10,725,020	10,798,620
Federal Interest Subsidy	(848,250)	(848,250)	(847,340)	(847,340)
Total Debt Service	<u>\$ 8,635,028</u>	<u>\$ 9,876,770</u>	<u>\$ 9,877,680</u>	<u>\$ 9,951,280</u>
Total Design & Construction Expenses	<u>\$ 44,375,699</u>	<u>\$ 52,234,955</u>	<u>\$ 37,660,796</u>	<u>\$ 32,706,079</u>
General and Administrative Costs				
Salaries, Benefits	194,666	203,000	202,892	203,000
Bank Service Charges	1,348	1,500	1,210	1,500
Annual IL Lobbyist Registration	358	350	307	350
Equipment and Software	433	2,000	-	2,000
Fiscal Agency Services	28,400	30,000	29,050	31,000
Audit Services	15,000	15,500	15,500	16,000
Meeting Expenses	197	1,000	638	1,000
Postage/Delivery	433	400	990	1,000
Printing/Photocopies	3,442	3,500	3,016	3,500
Professional Services	257	10,000	-	10,000
Publications/Subscriptions	118	250	-	250
Supplies	2,993	3,300	3,115	3,300
Telecommunications/Internet	2,978	3,000	2,230	3,000
Travel	708	5,000	718	5,000
Insurance	942	1,000	485	1,000
Total General & Administrative Costs	<u>\$ 252,273</u>	<u>\$ 279,800</u>	<u>\$ 260,151</u>	<u>\$ 281,900</u>
Total Expenditures	<u>\$ 44,627,972</u>	<u>\$ 52,514,755</u>	<u>\$ 37,920,947</u>	<u>\$ 32,987,979</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(32,502,265)	\$ (40,124,755)	\$ (25,516,637)	\$ (20,927,979)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	83,835,000	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ 51,332,735</u>	<u>\$ (40,124,755)</u>	<u>\$ (25,516,637)</u>	<u>\$ (20,927,979)</u>





Table 2  
**Estimated Project Expenditures 10.1.2017 -9.30.2018**

<b>Design &amp; Construction Management</b>	<b>FY 2018</b>
<b>Engineering Design</b>	
<i>W. O. #1 Program Mgmt.</i>	\$200,000
<i>W. O. #3 Preconstruction Activities</i>	\$100,000
<i>W.O. #5 COR Investigation</i>	\$1,000
<i>W. O. #9 Wood River Cutoff Walls</i>	\$5,000
<b>Authorized Level Work Orders</b>	
<i>W.O. #13 Wood River Field &amp; Design BP #8, BP #9, &amp; BP #10</i>	\$300,000
<i>W.O. #14 MESD Field &amp; Design</i>	\$2,100,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field &amp; Design PH I</i>	\$2,500,000
<b>Construction Management.</b>	
<i>W. O. #8 Construction Management BP #1 - #6 &amp; Amendment #4</i>	\$276,934
<i>W. O. #10 Construction Management BP #7A &amp; #7B</i>	\$15,000
<i>Construction Management BP #8 &amp; BP #14</i>	\$50,000
<i>QC/Materials Testing</i>	\$140,104
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION MGMT.</b>	<b>\$5,688,038</b>
<b>Construction</b>	
<i>Bid Package #3</i>	\$24,443
<i>Bid Package #4</i>	\$350,005
<i>Bid Package #5</i>	\$1,500,798
<i>Bid Package #5A</i>	\$319,410
<i>Bid Package #7B</i>	\$444,412
<i>Bid Package #8</i>	\$400,000
<i>Bid Package #14</i>	\$400,000
<i>Contingency (10% FPD Construction)</i>	\$343,907
<i>Utilities</i>	\$200,000
<i>Property Acquisition Authorized Level - Wood River</i>	\$500,000
<i>Property Acquisition Authorized Level - East St. Louis</i>	\$500,000
<i>Property Acquisition Authorized Level - Prairie Du Pont/Fish Lake</i>	\$500,000
<i>Wetland Mitigation</i>	\$27,970
<i>HazMat Mitigation</i>	\$1,500,000
<i>Legal</i>	\$320,000
<i>Corps of Engineers Authorized Level Costs</i>	\$6,157,291
<b>TOTAL CONSTRUCTION</b>	<b>\$13,488,236</b>
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION</b>	<b>\$19,176,274</b>
<b>REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS</b>	<b>\$3,000,000</b>

<b>Operations &amp; Financing</b>	
<i>General &amp; Administrative</i>	\$281,900
<i>Debt Service</i>	\$10,798,620
<i>Interest Rate Subsidy</i>	(\$847,340)
<b>Professional Services</b>	
<i>Legal</i>	\$410,000
<i>Legislative</i>	\$76,000
<i>Financial Advisor</i>	\$65,000
<i>Diversity Program Mgr.</i>	\$11,525
<i>Bond Trustee</i>	\$16,000
<b>TOTAL OPERATIONS</b>	\$10,811,705
<b>TOTAL EXPENSES</b>	\$32,987,979

Table 3

***Estimated Revenues 7.1.2017 - 9.30.2018***

<b>Fund Sources</b>	
<i>Cash on hand (6/30/2017)</i>	\$235,695
<i>2010 Bond Project Funds (6/30/2017)</i>	\$0
<i>2015 Bond Project Funds (6/30/2017)</i>	\$45,097,276
<i>County FPD Tax Bal. (6/30/2017)</i>	\$29,192,280
<i>Sales Tax Revenue (7/1/2017-9/30/2017)</i>	\$2,982,176
<i>Interest Income (7/1/2017-9/30/2017)</i>	\$170,037
<i>Federal Interest Subsidy (September 2017)</i>	\$423,670
<i>Sales Tax Revenue (10/1/2017-9/30/2018)</i>	\$11,835,000
<i>Interest Income (10/1/2017-9/30/2018)</i>	\$225,000
<b>Total Available Funds</b>	\$90,161,134

***Estimated Expenditures 7.1.2017 - 9.30.2018***

<b>Expenditures</b>	
<i>Engineering Design and Construction Mgmt. (7/1/2017-9/30/2017)</i>	\$1,629,147
<i>Construction (7/1/2017-9/30/2017)</i>	\$4,776,731
<i>Professional Services (7/1/2017-9/30/2017)</i>	\$143,676
<i>General &amp; Administrative (7/1/2017-9/30/2017)</i>	\$62,234
<i>Engineering Design and Construction Mgmt. (10/1/2017-9/30/2018)</i>	\$5,688,038
<i>Construction (10/1/2017-9/30/2018)</i>	\$13,488,236
<i>Professional Services (10/1/2017-9/30/2018)</i>	\$578,525
<i>Refund of Surplus Funds to County FPD Accounts</i>	\$3,000,000
<i>Debt Service (10/1/2017-9/30/2018)</i>	\$9,951,280
<i>General &amp; Administrative (10/1/2017-9/30/2018)</i>	\$281,900
<b>Estimated Expenditures</b>	\$39,599,767

**Net Estimated Available Funds on 9/30/2018** \$50,561,367

Table 4

***Potential Authorized Level Funding***

<i>Design FY2016</i>	\$1,785,889
<i>Design FY 2017</i>	\$3,532,761
<i>Design &amp; CM FY 2018 Budgeted</i>	\$4,950,000
<i>Concrete Pipe Change Orders</i>	\$9,446,022
<i>FPD Construction FY2018 Budgeted</i>	\$4,400,000
<i>Corps of Engineers Funding FY 2016</i>	\$2,439,618
<i>Corps of Engineers Funding FY 2017</i>	\$7,652,000
<i>Corps of Engineers Funding FY 2018 Budgeted</i>	\$6,157,291
<i>Net Available Funds (9/30/2018)</i>	\$50,561,367
<b>Total Potential Authorized Level Funding</b>	<b>\$90,924,948</b>





Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #2B & BP #4

Date: June 19, 2017

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.

We have one change order involving Bid Package #2B and one change order involving Bid Package #4, which Amec Foster Wheeler will be explaining at the meeting.

**Bid Package 2B – Repair Vandalism Damage to Grounding System - \$1,200.00**

The Site 12 Pump Station (G.C.D.E. #1X) was deemed substantially complete in March of 2015. In April of 2017, the HDPE pipe was upgraded to RCP pipe. During construction, the existing concrete vault, pumps, controls, fencing, and associated components were protected and not damaged. In a joint inspection with MESD staff in June of 2017, it was noted that the grounding system connections to the existing fence were damaged. Vandalism is suspected due to the nature and locations of the cut wires. The grounding system is an integral component to the pump station design that prevents electric shock and mitigates over-voltages that can damage equipment and should be repaired immediately.

**Bid Package 04 – RCP Balancing Quantities – (\$75,949.65)**

During the initial bidding of the pipe replacement change order, the contractor over-bid the quantities of 12", 18", and 24" reinforced concrete pipe. Per the specifications, the contractor is only paid for the linear feet of installed pipe in the accepted work. This change order balances the quantity from as-bid to as-built.

Item NO.	Description	QTY Deduct	Unit	Unit Price	Total Price
17.6	12" RCP	-109	LF	\$437.30	(\$47,665.70)
17.7	18" RCP	-19	LF	\$398.25	(\$7,566.75)
17.8	24" RCP	-49	LF	\$422.80	(\$20,717.20)
<b>Total Deductive Change Order</b>					<b>(\$75,949.65)</b>

Recommendation:

Authorize the Chief Supervisor to approve the requested change orders for Bid Package 2B – Repair Vandalism Damage to Grounding System in the amount of \$1,200.00 with Korte & Luitjohan, and Bid Package 4 – RCP Balancing Quantities credit in the amount of \$75,949.65 with Haier Plumbing for a total credit of \$74,749.65.

The board has asked to stay informed of upcoming change orders that may be presented; the following list summarizes change orders that are being negotiated, being finalized, awaiting additional information from the contractor, or awaiting completion of a construction item:

Pending Change Orders:

**Bid Package 05 – Hybrid Clay Cap Topsoil (Cost unknown)**

A Change order may be needed to compensate for any additional topsoil that needs to be hauled in to cover a revised clay cap design. It is assumed that the material that is being excavated from the levee will be suitable for reuse as topsoil, but in the event that it is unsuitable, clean topsoil will need to be imported at a cost to the FPD Council. This is pending completion of the clay cap, and will be towards the end of the project. Estimated to be presented in 2017.

**Bid Package 7B – Relief Well 1038D Abandonment**

A change order may be necessary to abandon a failed relief well installation.