



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
February 17, 2016 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 January 20, 2016
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. Amendment of FY2016 Flood Prevention District Budget
Chuck Etwert, Chief Supervisor
8. Flood Event Update
Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor
9. Authorized Level Update
Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor

AGENDA

10. BP #2B – Site 5 Pump Station Ameren Illinois Agreement
AmeC Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor
11. Update from Corps of Engineers
John Peukert, U.S. Army Corps of Engineers
12. Public Comment
13. Executive Session - Litigation
14. Other Business
15. Adjournment

Next Meeting: March 16, 2015

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING January 20, 2016

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday January 20, 2016.

Members in Attendance

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

Members Absent

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

Others in Attendance

Alan Dunstan, Madison County Board Chair
Terry Liefer, Monroe County Board Chair
Chuck Etwert, SW Illinois FPD Council
Randy Bolle, Prairie Du Pont Levee and Sanitary District
Rich Conner, Levee Issues Alliance
Tim Eagleton, FM Global
Mike Feldmann, U.S. Army Corps of Engineers
Walter Greathouse, Metro-East Sanitary District
David Human, Husch Blackwell LLP
Tracey Kelsey, U.S. Army Corps of Engineers
Jay Martin, Amec Foster Wheeler Environment & Infrastructure
David Oates, Oates Associates
Jon Omvig, Amec Foster Wheeler Environment & Infrastructure
Joe Parente, Madison County
Mike Sullivan, Prairie Du Pont Levee and Sanitary District

Call to order

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

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

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

Approval of Minutes of December 16, 2015

A motion was made by Tom Long, seconded by Bruce Brinkman, to approve the minutes of the Board meeting held on December 16, 2015. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Public Comment on Pending Agenda Items

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

Election of President for Remainder of 2015-2016

With the appointment of Jim Pennekamp to the Metro East Sanitary District Board, therefore, preventing him from continuing to serve as President, Mr. Conrad asked for a motion for Mr. Ron Motil to fill the unexpired term of Mr. Pennekamp’s presidency, thus continuing the annual rotation of the presidency among the three county flood prevention districts.

A motion was made by Mr. Long, seconded by Dr. Moore, to have Mr. Motil serve as President of the Council for the remainder of the 2015– 016 Fiscal Year. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Mr. Motil thanked everyone for their support.

Program Status Report

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

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

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

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

He attached his letter responding to Tracey Kelsey’s December 9th letter (provided at the last Board meeting) regarding insufficient federal funds. He indicated that responses to questions raised would need to be provided prior any recommendations to the Council regarding funding to the Corps.

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

construction. Funding requests, cash balances, and where funds could be spent are being reviewed.

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

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

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

A motion was made by Dr. Moore, seconded by Mr. Conrad, to accept the Program Status Report for January 2016. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Budget Update and Approval of Disbursements

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

Mr. Etwert noted that financial statement for December 2015 prepared by our fiscal agent, CliftonLarsonAllen was included in the materials sent for the meeting. The report included an accounting of revenues and expenditures for the month ending December 31, 2016, as compared to the fiscal year budget.

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

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

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

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

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

A motion was made by Mr. Polka, seconded by Mr. Brinkman, to accept the budget report and approve the disbursements for December 2015. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Design and Construction Update

Mr. Pennekamp called on Jay Martin, Amec Foster Wheeler's project manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. His presentation, including a few site photos, focused on the construction status of each bid package, FEMA Certification Update, and the Authorized Level (500-Year) Design as follows:

Construction Status

River Level – From November 30, 2015 through last week, work has been restricted on all Bid Packages by high river levels. The river is now receding and work will resume in late January.

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

The final walk-through held January 14, 2016
Record documentation is currently being compiled
- Bid Package 3 – Wood River Seepage Improvements

Design revisions to Blanket Drain 4 are pending
- Bid Package 4 – MESD Seepage Improvements (CONOCO Phillips)

Change Order before the Board today.
Notice to Proceed ready to be issued for replacement of HDPE pipe with concrete
Management of water levels to minimize damage
- Bid Package 5 – MESD Seepage Improvements

Notice to Proceed issued for replacement of HDPE pipe with concrete
Management of water levels to minimize damage
- Bid package 7B – Wood River lower (Deep) Cut-off Wall

Protection measures

Construction Photos

Bid Package 7B – Wood River – Protecting Work in Progress

Bid Package 7B – Wood River – Protecting Work in Progress

He next discussed the FEMA Certification packages.

FEMA Certification Update

Upper Wood River

- Construction is substantially complete

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

Wood River East & West Forks

- INDR Approval of Interior Drainage Analysis

MESD

- Pending completion of Bid Packages 2B, 4, & 5.
- 10.5' diameter sewer rehabilitation design underway.
- Critical path is clay cap construction & 10.5' sewer
- Construction Completion 3rd Quarter 2016
- Submittal to Corps 4th Quarter 2016
- On January 14th Amec Foster Wheeler and Husch Blackwell attended QCC review in Denver for Levee Risk Assessment being conducted by USACE

Prairie du Pont & Fish Lake

- Pending completion of Bid Packages 2B & 6.
- Construction Completion 1st Quarter 2016, but still assess impacts from recent high water
- Submit to FEMA by 2nd Quarter of 2016.

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

Wood River

- Analysis of Council improvements by USACE on going and could modify the approved plan.
- Because of weather completion of initial field work pushed to February 2016.
- Access agreement in process

MESD

- Drilling Plan submitted to USACE

PdP/FL

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

Mr. Sullivan of Prairie Du Pont (PDP) inquired if the February completion date for PDP included the replacement of all the plastic pipe, to which, Mr. Omvig responded that the only pipe being replaced in PDP was from the triple wall SaniTite collection to the pump station. Different pipe was installed in the PDP District than the HDPE pipe being replaced in other bid packages.

Mr. Sullivan asked if the pump station at site 5 was going to be raised since flooding occurred around the area in the last event. Mr. Omvig indicated no, that the pump station wasn't turned on and water was ponding around it. Once the pump station and system is complete, water will not pond around it. The berm was installed to protect the pump from damage.

Next was a discussion regarding the relief wells which had risers installed in them and had water coming out of them. The berms functioned properly, however, Amec will be discussing the relief well with risers situation with the Corps.

Chairman Dustan mentioned a slide area next to Hartford, on the Cahokia Diversion Canal between Route 3 and Route 111 that has had problems for a third time. Mr. Feldmann indicated that this was an area that should be eligible for repairs through the 499 recovery process.

There was additional discussion regarding the operation of the relief wells with the risers and relief wells in general.

Lastly, Mr. Sullivan inquired about a power bill that PDP has received from Ameren and should Amec be paying this monthly charge until the pump station had been accepted. Mr. Omvig indicated that Amec wouldn't be responsible for any Ameren power bills. Mr. Sullivan indicated that PDP is being charged if the pump station runs or not.

Mr. Motil requested that Mr. Etwert meet with PDP and report back to the Board at the next meeting.

Mr. Etwert indicated that if the pump station was running the charge would go to the Levee District. The Council's charge is the construction of capital improvements to achieve FEMA accreditation for the 100-Year Level of Protection first and then work towards the Authorized Level (500-Year) of protection.

Operation and maintenance of all improvements completed by the Council will be the responsibility of the Levee District in which the improvement is constructed, as indicated in the Project Partnerships Agreements with the Corps of Engineers.

He did indicate that the Council is having Husch Blackwell work with each levee district to determine how they might be able to increase revenue to cover increased operational costs.

He also indicated that he would be glad to meet with PDP to discuss this issue, at which point, Mr. Greathouse of MESD indicated that they have also experienced increased Ameren costs and would also like to be contacted to meet.

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

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

The motion was approved unanimously.

Flood Event Activities

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

Mr. Omvig explained that the flood event of recent weeks created the need for emergency operations to be put in place in three areas where the Council has construction activities in operation. He then explained each of the situations.

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

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

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

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

On December 29, 2015, it was observed that the relief wells surrounding the newly constructed Site 5 pump station were aggressively ponding the area. The Bid Package 5 contractor, Keller Construction, was asked to provide emergency pumping in an effort to keep the Site 5 pump station from flooding. Had the flooding inundated the Site 5 pump station, the damage to the controls and other appurtenances would have been excessive. Keller Construction set up two backup pumps and started running them on December 29, 2015 and the pumps were operated (and manned) around the clock until January 11, 2016. Additionally, to further mitigate the potential for damage, a berm was built around the Site 5 pump station.

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

These were two different scenarios which were outside of the contractors' bids, and were taken to avoid damage to the pump stations involved.

Dr. Moore questioned why this type of anticipated flood event wasn't included as a contingency in the bidding process. Mr. Omvig indicated, that in terms of the contingency, this is a cost that is not normally considered part of the construction in the contractors' bid. He indicated that timing wise, had the original construction schedule been followed, the project would have been already constructed and we wouldn't be in this situation. The phasing was to build the pump station followed by the relief wells and the collector system connected to it, thus eliminating the need for interior pumping. For a multitude of reasons, such as land acquisition for the relief wells and collection system, we are not on schedule.

Mr. Human indicated that all these costs are emergency protective measures and that Mr. Etwert should look into public assistance for entitled eighty-five percent reimbursement (seventy-five federal and ten percent state). Mr. Etwert acknowledged that he had already started that process.

Including this type of an event as a contingency, as the schedule was extended, was briefly discussed again.

Mr. Long inquired of the value of what was being protected by the pumping. Mr. Omvig indicated the cost of each pump station built was \$1.0 to \$1.5 million, with the electrical controls including the motor and transformer being a significant portion. Mr. Omvig didn't have the exact costs, but indicated that the cost of \$317,000 was significantly less than anticipated costs, had the two pump stations been allowed to flood. In addition, by protecting the pump stations, the sites are dry and the contractor is able to proceed with work immediately saving time.

Dr. Moore inquired what was being done in anticipation of spring high river levels to prevent a similar situation. Mr. Omvig indicated that the collection system will not be place by spring,

Amec Foster Wheeler will work with Mr. Etwert to modify or ensure that the pump stations don't go under. One pump station has had an earth berm installed around it, to isolate it. Not all pump stations will be turned on by spring and now is the time to develop some type of flood proofing.

The reimbursement process was briefly discussed again with Mr. Etwert indicating that he would be working with Amec Foster Wheeler to gather the costs and that he would be submitting to the each county.

There was a discussion if any fault had been determined regarding pump station #5, the pump station which previously experienced relief collection pipe penetration last summer and had the berm placed around it during this event. Mr. Omvig indicated that it was thought that the HDPE pipe wasn't compacted correctly, however until it is excavated, a determination cannot be made.

It was asked if the Council would go after the party responsible, to which Mr. Etwert responded possibly. Mr. Omvig indicated that it could be the design engineer, the construction manager or the contractor, in which case, everyone can be at fault. Amec Foster Wheeler is the prime on the design and the construction management, with sub consultants doing the pump station design and construction management.

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

Mr. Long made the motion to authorize the Chief Supervisor to approve the requested funds for BP #4 for Flood Event Emergency Pumping at Site 9 for \$13,660.00 with Haier Plumbing; and for BP #5 for Flood Event Emergency pumping at Pump Stations Sites 5 & 10 for \$316,936.89 with Keller Construction; for a total not to exceed \$330,596.89, with the amendment that the Chief Supervisor report back to the Council on whether or not the required flood fighting was the result of someone's failure to appropriately install what they were supposed to have installed. Mr. Brinkman seconded the amended motion. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Change Orders – BP #3 & BP #4

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

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

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

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

Mr. Etwert indicated that the previous appropriations were all done individually, and therefore a separate appropriation was needed now, but with this appropriation of \$207,016.02, the total expended for construction obstruction will be \$1,100,570.02, which is less than the \$1,275,000 originally estimated and appropriated. There was a brief discussion confirming the initial appropriations of \$1,275,000 and confirming the net savings of approximately \$175,000.

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

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

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

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

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

Mr. Motil asked for a motion to accept the recommendation on the change orders discussed. A motion was made by Mr. Conrad, with a second by Mr. Motil, to authorize the Chief Supervisor to approve requested change orders for BP #3 for Construction Obstruction Time & Materials in the amount of \$207,016.02 and credit for D"-Type Relief Wells Deduct in the amount of a (\$41,539.23) for a total amount of \$165,476.79 with Keller Construction; and for BP #4 for Pipe Material Change in the amount of \$82,782.25 with Haier Plumbing; for a total not to exceed \$248,259.04. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Amec Foster Wheeler Work Order #8 – Amendment 4

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

Mr. Omvig indicated that with the recent flood event and the Corps' reevaluation of the 100-year level of protection involving the High Density Polyethylene Pipe (HDPE) pipe is being replaced with Reinforced Concrete Pipe (RCP), Amec Foster Wheeler's Construction Management Task Order requires an amendment.

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

In addition, as the result of the Corps' reevaluation of the 100-year level of protection project, on Bid Packages 2B, 4, and 5, the High Density Polyethylene Pipe (HDPE) pipe is being replaced by Reinforced Concrete Pipe (RCP). Total cost of the change orders for the RCP pipe

installation is approximately \$9.5 million. Providing oversight services on these bid packages for the installation of concrete pipe in accordance with the USACE Authorized Level improvements will require an additional \$215,000.00

Mr. Long questioned the cost of the additional construction management work required for the RCP installation. Mr. Etwert responded that he had reviewed the request and felt it was justified. since Amec Foster Wheeler had already spent time inspecting the original installation which was now being removed, would have to inspect the RCP pipe now being installed, and make adjustments to the design of manholes.

This is additional work that is the result of the Corps' recent reevaluation of the 100-year level effort, which now replaces the HDPE pipe with RCP pipe and eliminates 14,400 feet of deep cutoff wall costing \$62,000,000 (\$29,500,000 Council share) and will provide the Authorized Level of protection for this area of the levee system.

It's unfortunate that the Corps didn't determine and offer this alternative solution during their 408 review and approval. The installation now of the RCP pipe after the plastic pipe has been installed and has to be removed, can be considered an additional task, not originally planned. However, in the long run it will save the Council millions.

He indicated that it was a proper request for additional funds for the construction management task order. It was noted that it hadn't been submitted earlier with the appropriations for the RCP pipe, because the overall cost increases hadn't been finalized and Amec Foster Wheeler was still determining what existing appropriated funds could be utilized. Funds requested today are not the total cost needed if this was a stand-alone item, but only the additional funds needed since some funds were available in the existing work order.

There was a discussion explaining that the \$215,000 was for all of the bid packages which involved the installation of the reinforced concrete pipe.

Next was a discussion of the original intent and approval of the installation of the plastic pipe and the Corps' recent review of the system. The plastic pipe was being installed for the 100-year level of protection, with the Corps originally requiring a deep cutoff wall for the Authorized Level of protection. The installation process for both the HDPE pipe and RCP pipe was explained. Now that the deep cutoff wall is being eliminated, the Corps is requiring the concrete pipe to provide a level of confidence that they are comfortable with.

Mr. Parks arrived during the presentation.

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

A motion was made by Mr. Brinkman, with a second by Mr. Parks, to authorize the Chief Supervisor to execute Amendment 4 to Work Order #8 with Amec Foster Wheeler Environment & Infrastructure Inc. for additional construction management services due to the December/January flood event for \$29,000 and the installation of reinforced concrete pipe in accordance with the USACE Authorized Level improvements for \$215,000, for a total amendment cost of \$244,000.00. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Corps of Engineers Update

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

Mr. Feldmann used a PowerPoint® presentation to highlight some of the activities that took place during the Winter 2015 Flood Event.

He pointed out a picture of the slide near Hartford which discussed earlier in the meeting.

He indicated the significant rain that occurred, produced a thirty year flood event here. Further south past where the Meramec River comes into the Mississippi, the event was much greater, as much as a 200 year event.

He stressed that public safety is the Corps of Engineers top priority, and highlighted the following activities that the Corps provided:

Technical support to the levee district regarding the Wood River Slide

Implemented the Interim Operating measures (IOP) in the Mel Price area in Wood River

Technical support in operating the newly reconstructed flood gates upper Wood River

Flood fight and geo-tech support teams integrated with the local levee districts

He indicated that the Corps of Engineers will continue to work with the Levee Districts in the assessment and recovery phase of this event, and with Amec Foster Wheeler on the status of the 408 construction projects going into the flood season.

The Corps will be sending out letters to levee districts requesting identification of damages that they feel would be eligible funding under the recovery program. Priority will be given to areas where breaches or overtopping has occurred.

There were no additional questions for Mr. Feldmann.

A Mr. Motil asked for a motion to accept the Corps report. A motion was made by Mr. Polka, 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 - Aye
Mr. Brinkman – Aye
Mr. Bergkoetter - absent
Mr. Conrad - Aye
Mr. Long – Aye
Dr. Moore - Aye
Mr. Motil – Aye
Mr. Parks – Aye

The motion was approved unanimously.

Resolution of Appreciation for James R. Pennekamp

Mr. Motil indicated, prior to public comments, that he would read the following resolution expressing recognition and appreciation to James R. Pennekamp for distinguished service in restoring flood protection in the Metro-East.

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

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

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

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

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

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

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

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

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

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

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

A motion was made by Dr. Moore seconded by Mr. Long, to approve the Resolution of Appreciation for James R. Pennekamp. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Public Comment

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

Other Business

There was no other business.

Adjournment

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

Respectfully submitted,

John Conrad,
Secretary/Treasurer, Board of Directors



Progress Report January 20, 2016

Southwestern Illinois Levee Systems

By Jay Martin



Construction Status



- ▶ **River Level** – From November 30, 2015 through last week, work has been restricted on all Bid Packages by high river levels. The river is now receding and work will resume in late January.

- ▶ Bid Package 2C – Site 12 Pump Station Force Mains (MESD)
 - ▶ The final walk-through held January 14, 2016.
 - ▶ Record documentation is currently being compiled.
- ▶ Bid Package 3 – Wood River Seepage Improvements
 - ▶ Design revisions to Blanket Drain 4 are pending.
- ▶ Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)
 - ▶ Change Order before the Board today.
 - ▶ Notice to Proceed ready to be issued for replacement of HDPE pipe with concrete.
 - ▶ Management of water levels to minimize damage
- ▶ Bid Package 5 – MESD Seepage Improvements
 - ▶ Notice to Proceed issued for replacement of HDPE pipe with concrete.
 - ▶ Management of water levels to minimize damage
- ▶ Bid Package 7B – Wood River Lower (Deep) Cut-off Wall
 - ▶ Protection measures

Bid Package 7B – Wood River



Protecting Work
in Progress



Bid Package 7B – Wood River



Protecting Work
in Progress





FEMA Certification Update

► Upper Wood River

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

► Wood River East & West Forks

- ▶ IDNR Approved of Interior Drainage Analysis

5



FEMA Certification Update

► MESD

- ▶ Pending completion of Bid Packages 2B, 4, & 5.
- ▶ 10.5' diameter sewer rehabilitation design underway.
- ▶ Critical path is clay cap construction and 10.5' sewer
- ▶ Construction Completion 3rd Quarter 2016
- ▶ Submittal to Corps 4th Quarter 2016
- ▶ On January 14th Amec Foster Wheeler and Husch Blackwell attended QCC review in Denver for Levee Risk Assessment being conducted by USACE.

► Prairie du Pont & Fish Lake

- ▶ Pending completion of Bid Packages 2B & 6.
- ▶ Construction Completion 1st Quarter 2016, but still assess impacts from recent high water
- ▶ Submit to FEMA by 2nd Quarter of 2016.

6

Authorized Level (500-Year) Design

Wood River

- Analysis of Council improvements by USACE ongoing and could modify the approved plan
- Because of weather completion of initial field work pushed to February 2016.
- Access agreement in process

MESD

- Drilling Plan submitted to USACE

PdP/FL

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

Questions?



Support to Metro East during the Winter 2015 Flood event

- Public safety is the Corps of Engineers top priority
- The Corps provided technical support to the levee district regarding the Wood River Slide
- Implemented the Interim Operating Measures (IOP) in the Mel Price area in Wood River
- Provided technical support in operating the newly reconstructed flood gates upper Wood River
- Flood fight and geo-tech support teams integrated with the local levee districts
- The Corps of Engineers will continue to work with the Levee District in the assessment and recovery phase of this event



BUILDING STRONG®



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for February 2016
Date: February 12, 2016

Approximately 67% of the \$71.9 million of construction, involved in all nine current construction bid packages, has been completed thru January. The amount of work completed during the month was just over \$2.0 million. The total amount of construction completed is now \$47.9 million.

The February agenda includes the Amendment of the FY2016 Flood Prevention District Budget, and updates on the Flood Event and the Authorized Level.

During the last month Amec Foster Wheeler, Husch Blackwell and I have met, separately, with the Prairie Du Pont Levee and Sanitary District (PDP) and the Metro-East Sanitary District (MESD) to discuss the concerns each raised at the last Board meeting.

In the PDP, the Council will pay the Ameren Illinois electric bills (approximately \$100.00 per month) until the Site 5 pump station is in operation and Amec Foster Wheeler will review and inspect some closure structures that PDP has some concern with. In MESD, Amec Foster Wheeler will evaluate a request, under both FEMA and the Authorized Level guidelines, for possible function modifications to some pump stations which could reduce electrical usage.

In both Districts, Husch Blackwell initiated the discussion regarding how each District might be able to increase revenues to cover increased operational costs.

Amec Foster Wheeler and I continue discussing with the Corps, how the limited available federal funds could be utilized in the best interest of the Council. This will be discussed in more detail later in the agenda under the Authorized level Update.

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



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

Monthly Project Progress Report February 2016

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

Date of Issue: February 11, 2016

Table of Contents

1. OVERVIEW	4
1.1 PROJECT DESCRIPTION	4
1.2 AMEC FOSTER WHEELER SCOPE	4
1.3 KEY CONTACTS / PEOPLE	4
2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE)	5
2.1 HSSE REPORTS	5
3. PROJECT STATUS UPDATE	6
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 Field Activities and Look Ahead	6
3.1.8 QC/QA Activities	6
3.1.9 Considerations	6
3.1.10 Payment Progress	6
3.2 BID PACKAGE 2B	7
3.2.1 Calendar	7
3.2.2 Progress	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 Field Activities and Look Ahead	7
3.2.8 QC/QA Activities	7
3.2.9 Considerations	7
3.2.10 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 Field Activities and Look Ahead	8
3.3.8 QC/QA Activities	8
3.3.9 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	10
3.4.5 Submittals	10
3.4.6 Change Orders	10
3.4.7 Field Activities and Look Ahead	10
3.4.8 QC/QA Activities	10
3.4.9 Considerations	10
3.4.10 Payment Progress	10
3.5 BID PACKAGE 4.....	11
3.5.1 Calendar	11
3.5.2 Progress	11
3.5.3 Property Acquisition.....	11
3.5.4 Levee Board Considerations	11

3.5.5	Submittals	11
3.5.6	Change Orders	11
3.5.7	Field Activities and Look Ahead	11
3.5.8	QC/QA Activities	11
3.5.9	Considerations	11
3.5.10	Payment Progress	11
3.6	BID PACKAGE 5	12
3.6.1	Calendar	12
3.6.2	Progress	12
3.6.3	Property Acquisition	12
3.6.4	Levee Board Considerations	12
3.6.5	Submittals	12
3.6.6	Change Orders	12
3.6.7	Considerations	12
3.6.8	Payment Progress	12
3.7	BID PACKAGE 6	13
3.7.1	Calendar	13
3.7.2	Progress	13
3.7.3	Property Acquisition	13
3.7.4	Levee Board Considerations	13
3.7.5	Submittals	13
3.7.6	Change Orders	13
3.7.7	Field Activities and Look Ahead	13
3.7.8	QC/QA Activities	13
3.7.9	Considerations	13
3.7.10	Payment Progress	13
3.8	BID PACKAGE 7A	14
3.8.1	Calendar	14
3.8.2	Progress	14
3.8.3	Property Acquisition	14
3.8.4	Levee Board Considerations	14
3.8.5	Submittals	14
3.8.6	Change Orders	14
3.8.7	Field Activities	14
3.8.8	QC/QA Activities	14
3.8.9	Considerations	14
3.8.10	Payment Progress	14
3.9	BID PACKAGE 7B	15
3.9.1	Calendar	15
3.9.2	Progress	15
3.9.3	Property Acquisition	15
3.9.4	Levee Board Considerations	15
3.9.5	Submittals	15
3.9.6	Change Orders	15
3.9.7	Field Activities and Look Ahead	15
3.9.8	QC/QA Activities	15
3.9.9	Considerations	15
3.9.10	Payment Progress	15

1. OVERVIEW

1.1 Project Description

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

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

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

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

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

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

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

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

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

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

1.2 Amec Foster Wheeler Scope

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

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

1.3 Key Contacts / People

Program Manager	Jay Martin, PE, 615.333.0630 jay.w.martin@amecfw.com
Project Manager	Jon Omvig, AICP, 636.200.5118 jon.omvig@amecfw.com
Resident Engineer	Jim Solari, PE, 314.478-9287 james.solari@amecfw.com
Construction QA Manager	Kevin Williams, 618.401.7226 kevin.williams@amecfw.com
Project Coordinator	Kendra Mitchom, 618.346.9120 kendra.mitchom@amecfw.com

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

2.1 HSSE Reports

Health/Safety		
The Contractors continues to conduct weekly toolbox safety talks.		
Amec Foster Wheeler continues to conduct monthly safety meeting with all Contractors.		
Security		
No issues during this reporting period.		
Environment (SWPPP)		
An Amec Foster Wheeler environmental representative is inspecting the SWPPP efforts on a weekly basis.		
River Stage Restrictions		
The USACE 408 permit dictates that excavations shall cease when the Mississippi River Stage is:		
Bid Package	River Stage	River Elevation
2A	17.0	396.94
2B	27.06	407.00
2C	15.03	394.97 (Mel Price)
3	16.0	411.48 (Mel Price)
4	25.0	404.94
5	25.0	404.94
6	25.0	404.94
7A	21.52	417.0 (Mel Price)
7B	21.52	417.0 (Mel Price)

3. PROJECT STATUS UPDATE

3.1 Bid Package 2A

3.1.1 Calendar

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

3.1.2 Progress

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

3.1.3 Property Acquisition

- The project is complete.

3.1.4 Levee Board Considerations

- None

3.1.5 Submittals

- Complete

3.1.6 Change Orders

- Complete

3.1.7 Field Activities and Look Ahead

- None

3.1.8 QC/QA Activities

- None

3.1.9 Considerations

- None

3.1.10 Payment Progress

- 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	February 24, 2014
Anticipated completion date	<i>September 30, 2016</i>
Final Walk Through	
Final Acceptance	

3.2.2 Progress

- The Contractor has been given the NTP on December 30, 2015 for the change orders for the piping into the pump stations and the bank erosion.
- K & L providing submittals on SharePoint for Amec and USACE review. The contractor to begin work dependent on the river level, groundwater level, weather and approved submittals. Site 5 and Site 10 are priorities.

3.2.3 Property Acquisition

- All property is acquired

3.2.4 Levee Board Considerations

- None

3.2.5 Submittals

- On going submittals by K & L.

3.2.6 Change Orders

- See Change Order Log attached.

3.2.7 Field Activities and Look Ahead

- See above Progress

3.2.8 QC/QA Activities

- Amec Foster Wheeler and USACE are reviewing submittals.

3.2.9 Considerations

- None

3.2.10 Payment Progress

- See Contract Invoice Log attached

3.3 Bid Package 2C

3.3.1 Calendar

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

3.3.2 Progress

- The contract was executed on February 9, 2015.
- The Notice-to-Proceed was issued on March 5, 2015
- Site work demolition began October 15, 2015.
- A substantial completion was January 14, 2016. Flood impacts prior to final acceptance need to be reviewed.

3.3.3 Property Acquisition

- All property is acquired.

3.3.4 Levee Board Considerations

- None

3.3.5 Submittals

- Closeout submittals are pending.

3.3.6 Change Orders

- See attached log.
- Potential change orders: for clay overage, flood related cleanup change order has been requested by Contractor. A review of Change Order has not been completed.

3.3.7 Field Activities and Look Ahead

- See above progress schedule.

3.3.8 QC/QA Activities

- Final QC/QA documents need to be reviewed and accepted.
- Considerations
- See above

3.3.9 Payment Progress

- See attached log.

3.4 Bid Package 3

3.4.1 Calendar

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

3.4.2 Progress

Upper Wood River:

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

Lower Wood River:

- Random Fill Area 2 fill was started but was stopped, due to the inability of contractor to obtain the specified moisture content.
- Blanket Drain 5 & 7 and weir 4 was Substantial Completion on July 31, 2015.
- Blanket Drain 6 is complete.
- Random Fill Area 1 is pending an Amec Foster Wheeler design revision.
- The December 2015 flooding event has delayed work on this bid package.
- The Contractor has placed Weir 2 toe wall foundation and walls.
- The Contractor has encountered impacted material at Weir 3 and a sampling plan and work plan are in progress.
- The Contractor is installing well casings for the Hartford Relief Well installations. This relief well work will start February 15, 2016 and take place 24 hours per day, 5 days a week.

3.4.3 Property Acquisition

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

3.4.4 Levee Board Considerations

- None other than previously mentioned.

3.4.5 Submittals

- As required.

3.4.6 Change Orders

- See Change Order Log attached.
- Potential change orders: Hawthorne manhole, Wagon Wheel shoring revisions, Blanket Drain 4 revisions, Random Fill area 1, time and material work associated with the installation of the Hartford relief wells and impacted soil near weir 3.

3.4.7 Field Activities and Look Ahead

- As noted above.

3.4.8 QC/QA Activities

- Testing as required.

3.4.9 Considerations

- None other than previously mentioned.

3.4.10 Payment Progress

- See attached Contract invoice log

3.5 Bid Package 4

3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	<i>September 30, 2016 - Contract Completion Date</i>
Final Walk Through	
Final Acceptance	

3.5.2 Progress

- Clay cap earthwork was started on August 17, 2015 and is about 80% complete. Clay cap work was put on hold until the pipeline issues are resolved.
- Site 09 pump station complete except the fencing and ground loop installation around the station.
- Five Piezometer of 13 installed.
- The NTP for the HDPE to concrete pipe was issued to contractor on January 8, 2016.
 - Contractors processing submittals for Amec Foster Wheeler and USACE review.

3.5.3 Property Acquisition

- All property acquired.

3.5.4 Levee Board Considerations

- None

3.5.5 Submittals

- On-going

3.5.6 Change Orders

- See Change Order Log attached.
- Contractor has submitted Change Order for Clay Cap quantities.

3.5.7 Field Activities and Look Ahead

- See above

3.5.8 QC/QA Activities

- As noted above

3.5.9 Considerations

- None

3.5.10 Payment Progress

- See Contract Invoice Log attached.

3.6 Bid Package 5

3.6.1 Calendar

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

3.6.2 Progress

- Contractor has submitted a protruding clay cap value engineering proposal. Proposal is being reviewed.
- The Sluice Gate rehabilitation at MoPac is awaiting stem delivery.
- The NTP for the HDPE to concrete pipe was given on December 30, 2015.
 - Contractor processing submittals for Amec Foster Wheeler and USACE review.

3.6.3 Property Acquisition

- All property is acquired. If clay cap revision is accepted it requires additional permanent easements.
- Various TCE will be extended.

3.6.4 Levee Board Considerations

- None.

3.6.5 Submittals

- Submittal process underway.

3.6.6 Change Orders

- See the attached Change Order Log attached.
- Potential change order: Protruding clay cap change order is being evaluated.

3.6.7 Considerations

- None other than previously mentioned.

3.6.8 Payment Progress

- See Contract Invoice Log attached.

3.7 Bid Package 6

3.7.1 Calendar

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

3.7.2 Progress

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

3.7.3 Property Acquisition

- All property is acquired. Various TCE will be extended.

3.7.4 Levee Board Considerations

- This work may not be completed on time. The schedule is under review. Liquidated damages may come into play.

3.7.5 Submittals

- On going

3.7.6 Change Orders

- See Change Order Log attached.
- Potential Change Orders: Benching clay quantities, remobilization cost for well driller, pipe at under clay cap and culvert for Pulcher driveway.

3.7.7 Field Activities and Look Ahead

- See above

3.7.8 QC/QA Activities

- As required

3.7.9 Considerations

- None

3.7.10 Payment Progress

- See Contract Invoice Log attached.

3.8 Bid Package 7A

3.8.1 Calendar

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

3.8.2 Progress

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

3.8.3 Property Acquisition

- Not applicable.

3.8.4 Levee Board Considerations

- None.

3.8.5 Submittals

- On-going.

3.8.6 Change Orders

- See change order log attached.

3.8.7 Field Activities

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

3.8.8 QC/QA Activities

- None.

3.8.9 Considerations

- None.

3.8.10 Payment Progress

- See Contract Invoice Log attached.

3.9 Bid Package 7B

3.9.1 Calendar

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

3.9.2 Progress

- TREVIICOS received Notice-to-Proceed June 9, 2015
- Pre-Construction Meeting held June 15, 2015
- Treviicos mobilizing July 2015 and continuing into August.
- Work Progress:
 - The December 2015 flooding event delayed this project. Panel production resumed on January 18, 2016.
 - Approximately 40 panels are installed.

3.9.3 Property Acquisition

- Not applicable

3.9.4 Levee Board Considerations

- None

3.9.5 Submittals

- On-going.

3.9.6 Change Orders

- See change order log attached.

3.9.7 Field Activities and Look Ahead

- See list above.

3.9.8 QC/QA Activities

- Geotechnology as required.

3.9.9 Considerations

- None.

3.9.10 Payment Progress

- See Contract Invoice Log attached.

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP2A

Original Contract Amount: \$747,500.00
Change Order #1: \$2,245.00 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

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP2B

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

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed and Store to Date	Cumulative Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage(\$)
1	2/5/2014	2/10/2014	\$51,750.00	\$5,175.00	\$46,575.00	\$46,575.00	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		\$1,285,745.00

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
Total of Project Change Orders						\$1,462,835.92				Total	\$ 1,471,405.92
Original Contract Amount						\$3,865,405.00					
Revised Contract Amount						5,336,810.92					
											38.07%

Approved

*Board approval required

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP2C

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
Total of Project Change Orders			\$0.00	\$0.00						Total	\$ -
Original Contract Amount			281,632.00	% Change from Original Amount							
\$281,632.00			281,632.00	0.00%							

Approved

*Board approval required

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP03

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

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	2/28/2014	4/15/2014	\$249,000.00	\$24,900.00	\$224,100.00	\$224,100.00	4/22/2014	\$9,858,245.00
2	5/31/2014	6/4/2014	\$250,000.00	\$25,000.00	\$225,000.00	\$900.00	6/19/2014	\$9,858,345.00
3	8/31/2014	9/8/2014	\$376,066.83	\$37,606.68	\$338,460.15	\$113,460.15	9/15/2014	\$9,744,884.85
4	9/30/2014	10/3/2014	\$467,927.21	\$46,792.72	\$421,134.49	\$82,674.34	10/16/2014	\$9,678,810.51
5	10/31/2014	11/11/2014	\$710,218.88	\$71,021.89	\$639,196.99	\$218,062.50	11/18/2014	\$9,477,425.86
6	11/30/2014	12/11/2014	\$1,014,409.54	\$101,440.97	\$912,968.57	\$273,771.58	12/18/2014	\$9,539,785.27
7	12/31/2014	1/15/2015	\$1,365,095.95	\$136,509.61	\$1,228,586.34	\$315,617.77	1/26/2015	\$9,224,167.50
8	1/31/2015	2/6/2015	\$1,684,373.38	\$168,437.36	\$1,515,936.02	\$287,349.68	2/18/2015	\$8,930,997.82
9	2/28/2015	3/6/2015	\$2,291,243.38	\$229,124.37	\$2,062,119.01	\$546,182.99	3/19/2015	\$8,384,814.83
10	3/31/2015	4/10/2015	\$2,960,453.69	\$296,045.42	\$2,664,408.27	\$602,289.26	4/16/2015	\$8,340,612.37
11	4/30/2015	5/10/2015	\$3,387,089.05	\$338,708.97	\$3,048,380.08	\$383,971.81	5/18/2015	\$8,494,860.31
12	5/31/2015	6/11/2015	\$4,044,518.10	\$404,451.87	\$3,640,066.23	\$591,686.15	6/16/2015	\$7,903,174.16
13	6/30/2015	7/9/2015	\$4,748,651.45	\$474,865.21	\$4,273,786.24	\$633,720.01	7/14/2015	\$7,269,454.15
14	7/31/2015	8/11/2015	\$4,975,167.70	\$497,516.83	\$4,477,650.87	\$203,864.63	8/20/2015	\$7,065,589.52
15	8/31/2015	9/11/2015	\$5,669,386.46	\$566,938.72	\$5,102,447.74	\$624,796.87	9/16/2015	\$6,476,567.65
16	9/30/2015	10/9/2015	\$6,896,917.07	\$689,691.78	\$6,207,225.29	\$1,104,777.55	10/21/2015	\$5,752,464.99
17	10/16/2015	10/28/2015	\$7,386,596.95	\$738,659.77	\$6,647,937.18	\$440,711.89	11/3/2015	\$5,456,034.51
18	10/31/2015	11/13/2015	\$8,269,013.54	\$413,450.71	\$7,855,562.83	\$1,207,625.65	11/17/2015	\$4,357,029.65
19	11/15/2015	12/4/2015	\$8,346,301.68	\$417,315.12	\$7,928,986.56	\$73,423.73	12/10/2015	\$4,324,224.74
20	11/30/2015	12/28/2015	\$8,778,734.65	\$489,987.55	\$8,288,747.10	\$359,760.54	12/31/2015	\$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	1/20/2016	\$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		\$3,723,551.23

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP03

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

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

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

*Board approval required

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BF04

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
Total of Project Change Orders			\$3,172,506.51	\$10,598.70					Total	\$	3,183,105.21

Original Contract Amount **\$3,190,232.45**
 Revised Contract Amount **6,373,337.66**
 % Change from Original Amount **99.78%**

*Board approval required

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP05

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1*	Locking Sewer Lids	Other	\$0.00	\$19,698.78	5.18-5.22	\$ 113,685.00	17.33%	0.24%	3/18/2014	Approved	To be paid by MESD Levee District
2	Gravity Drain Cleaning	Field	\$2,815.00	\$0.00	5.29	\$ 67,225.00	4.19%	0.03%	4/16/2014	Approved	Anticipated \$2,815.00 change to accommodate field condition and constructability
3	Rip Rap Survey	Field	\$1,224.14	\$0.00	NA	NA	NA	0.01%	6/18/2014	Approved	Operator and equipment cost for assistance with survey done on rip rap discovered on railroad embankment
4	Manhole JN1601 Extension	Field	\$683.99	\$0.00	5.21	\$ 9,325.00	7.34%	0.01%	7/18/2014	Approved	4ft extension due to BP05 and BP2B grade conflict
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$1,863.75	\$0.00	5.26	\$ 211,728.64	0.88%	0.02%	10/30/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept; 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 appro
16	PZ 875L Alignment Test and Repair	Field	\$3,622.38	\$0.00	NA	NA	NA	0.04%	7/7/2015	Approved	Alignment test and repairs
17	HDPE to RCP Pipe Change-Early Draw	Other	\$90,000.00	\$0.00	NA	NA	NA	1.09%	10/16/2015	Approved	HDPE to RCP Pipe Change; Early draw to order materials
18*	Pipe Material Change	Other	\$5,158,639.93	\$0.00	NA	NA	NA	62.48%	12/16/2015	Approved	HDPE to RCP Pipe Change
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
Total of Project Change Orders			\$6,022,400.94	\$19,698.78							\$6,042,099.72
Original Contract Amount			14,298,581.56	% Change from Original Amount							
Revised Contract Amount			\$8,256,481.84	73.18%							

*Board approval required

CONTRACT INVOICE LOG

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

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

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	12/1/2013	12/9/2013	\$85,500.00	\$8,550.00	\$76,950.00	\$76,950.00	12/20/2013	\$12,780,177.75
2	1/1/2014	2/10/2014	\$302,624.00	\$30,262.40	\$272,361.60	\$195,411.60	2/20/2014	\$12,584,766.15
3	2/3/2014	2/10/2014	\$1,082,723.00	\$108,272.30	\$974,450.70	\$702,089.10	2/20/2014	\$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	3/25/2014	\$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	4/22/2014	\$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	5/22/2014	\$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	6/19/2014	\$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	7/17/2014	\$8,125,833.24

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 (\$)
9	8/1/2014	8/8/2014	\$5,785,001.65	\$578,500.17	\$5,206,501.49	\$340,527.38	8/19/2014	\$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	9/15/2014	\$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	10/16/2014	\$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	11/18/2014	\$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	12/18/2014	\$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	1/26/2015	\$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	2/18/2015	\$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	3/19/2015	\$4,249,455.94
17	4/1/2015	4/10/2015	\$12,128,575.99	\$606,428.80	\$11,522,147.19	\$920,930.68	4/16/2015	\$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	5/18/2015	\$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	6/16/2015	\$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	7/14/2015	\$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	8/20/2015	\$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	9/16/2015	\$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	10/21/2015	\$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	11/17/2015	\$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	12/17/2015	\$1,170,280.26
26	1/1/2016	1/8/2016	\$14,671,739.09	\$678,078.59	\$13,993,660.50	\$80,965.65	1/20/2016	\$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		\$1,074,797.64

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
			Total of Project Change Orders	\$2,229,617.89						Total	\$ 2,229,617.89
			Original Contract Amount	\$15,086,745.64							% Change from Original Amount
			\$12,857,127.75	\$15,086,745.64							17.34%

*Board approval required

CONTRACT INVOICE LOG

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

Project: SWILCD 56317001.010.001
Construction Package: BP7A
Original Contract Amount: \$3,076,208.70
Change Order #1: \$13,850.00 Boat Access Ramp
Change Order #2: \$108,897.50 Utility Conflicts
Change Order #3: \$98,660.80 Excavation Levee Slope and Crown Quantity Adjustment
Change Order #4: \$66,693.00 Slurry Wall Quantity Settlement
Change Order #5: \$0.00 Contract Time Extension to June 26, 2015
Change Order #6: \$7,500.00 Site demolition and restoration as required by City of Alton
Change Order #7: \$3,540.25 Clay Cap Volume Change
Total Change Order Amount: \$299,141.55
Total Revised Contract Amount: \$3,375,350.25

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	10/31/2014	11/3/2014	\$886,675.70	\$88,667.57	\$798,008.13	\$798,008.13	11/18/2014	\$2,292,050.57
2	11/30/2014	12/8/2014	\$1,824,863.95	\$182,486.40	\$1,642,377.55	\$844,369.42	12/18/2014	\$1,556,578.65
3	12/31/2015	1/9/2015	\$2,520,707.13	\$126,035.37	\$2,394,671.76	\$752,294.21	1/26/2015	\$902,945.24
4	2/28/2015	3/10/2015	\$2,587,400.13	\$129,370.02	\$2,458,030.11	\$63,358.35	3/19/2015	\$906,279.89
5	3/31/2015	4/10/2015	\$2,727,400.13	\$136,370.02	\$2,591,030.11	\$133,000.00	4/16/2015	\$773,279.89
6	5/4/2015	5/10/2015	\$3,278,416.10	\$163,920.82	\$3,114,495.28	\$523,465.17	5/18/2015	\$249,814.72
7	6/5/2015	6/12/2015	\$3,371,810.00	\$67,436.20	\$3,304,373.80	\$189,878.52	6/16/2015	\$67,436.20
7	7/8/2015	7/8/2015	\$3,375,350.25	\$0.00	\$3,375,350.25	\$70,976.45	7/14/2015	\$0.00

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP7B (Re-Bid)

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	NA	9/2/2015	Approved	34 additional calendar days to be added to Contract time due to high river levels
Total of Project Change Orders			\$0.00	\$0.00						Total	\$ -

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

*Board approval required



Memo to: Board of Directors
From: Chuck Etwert
Subject: Budget and Disbursement Report for January 2016
Date: February 12, 2016

Current Budget Highlights

Attached is the financial statement for January 2016 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending January 31, 2016, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2015 are \$14,068,500 while revenues amounted to \$3,897,710 resulting in a deficit of \$10,170,790. A total of approximately \$25,433,719 is held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for November 2016 (the latest month reported by the Illinois Department of Revenue) were up only 0.05% from the previous year. In general, receipts are up .93% from last year, which was our highest year.

Monthly Disbursements

Attached is the list of bank transactions for January 2016. Total disbursements for the month were \$1,646,487.63. The largest payments were to TREVIICOS South for BP #7B, Keller Construction for BP #3 and BP #5, Haier Plumbing BP #4, Lane Construction for BP #6, Amec Foster Wheeler, and Husch Blackwell.

Recommendation:

Accept the budget report and disbursements for January 2016



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

FOUR MONTHS ENDING JANAUARY 31, 2016 AND 2015



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 four months ended January 31, 2016 and 2015, in accordance with accounting principles generally accepted in the United States of America. We have performed compilation engagements in accordance with Statements on Standards for Accounting and Review services promulgated by the Accounting and Review Services Committee of the American Institute of certified Public Accountants. We did not audit or review the financial statements nor were we required to perform any procedures to verify the accuracy or completeness of information provided by management. Accordingly, we do not express an opinion a conclusion, nor provide any form of assurances on these financial statements.

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

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

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

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

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

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 2016 and 2015, have not been compiled or examined by us, and, accordingly, we do not express an opinion or any other form of assurance on them.

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

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

CliftonLarsonAllen LLP

St. Louis, Missouri
February 8, 2016

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

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,500,000	\$ 11,500,000	\$ 3,797,462	\$ 7,702,538
Interest Income	75,000	75,000	100,248	(25,248)
Other Contributions	-	-	-	-
Total Revenues	<u>11,575,000</u>	<u>11,575,000</u>	<u>3,897,710</u>	<u>7,677,290</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	13,939,900	13,939,900	1,400,735	12,539,165
Construction	26,597,316	26,597,316	7,396,056	19,201,260
Construction and design by US ACE	2,739,245	2,739,245	-	2,739,245
Total Design and Construction	<u>43,276,461</u>	<u>43,276,461</u>	<u>8,796,791</u>	<u>34,479,670</u>
Professional Services				
Legal & Legislative Consulting	391,000	391,000	204,809	186,191
Diversity Program Manager	25,130	25,130	16,155	8,975
Financial Advisor	83,200	83,200	84,492	(1,292)
Bond Underwriter/Conduit Issuer	10,000	10,000	1,744	8,256
Total Professional Services	<u>509,330</u>	<u>509,330</u>	<u>307,200</u>	<u>202,130</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,911,400	1,911,400	594,944	1,316,456
Monroe County	202,080	202,080	62,500	139,580
St. Clair County	1,886,520	1,886,520	600,041	1,286,479
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>1,257,485</u>	<u>2,742,515</u>
Debt Service				
Principal and Interest	7,103,089	7,103,089	3,647,891	3,455,198
Federal Interest Subsidy	(843,700)	(843,700)	-	(843,700)
Total Debt Service	<u>6,259,389</u>	<u>6,259,389</u>	<u>3,647,891</u>	<u>2,611,498</u>
Total Operating Expenses	<u>54,045,180</u>	<u>54,045,180</u>	<u>14,009,367</u>	<u>40,035,813</u>
General and Administrative Costs				
Salaries, Benefits	196,500	196,500	43,323	153,177
Bank Service Charges	1,500	1,500	455	1,045
Conference Registration	350	350	307	43
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	29,000	29,000	9,600	19,400
Audit Services	15,000	15,000	608	14,392
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	55	345
Printing/Photocopies	2,500	2,500	1,388	1,112
Professional Services	10,000	10,000	257	9,743
Publications/Subscriptions	250	250	4	246
Supplies	3,000	3,000	867	2,133
Telecommunications/Internet	3,000	3,000	1,327	1,673
Travel	5,000	5,000	-	5,000
Insurance	1,000	1,000	942	58
Total General & Administrative Costs	<u>270,500</u>	<u>270,500</u>	<u>59,133</u>	<u>211,367</u>
Total Expenditures	<u>54,315,680</u>	<u>54,315,680</u>	<u>14,068,500</u>	<u>40,247,180</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(42,740,680)	(42,740,680)	(10,170,790)	32,569,890
OTHER FINANCING SOURCES				
Proceeds From Borrowing	65,000,000	65,000,000	83,835,000	(18,835,000)
NET CHANGE IN FUND BALANCE	<u>\$ 22,259,320</u>	<u>\$ 22,259,320</u>	<u>\$ 73,664,210</u>	<u>\$ (51,404,890)</u>

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

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

Flood Prevention District Sales Tax Trends 2009-2015

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

Flood Prevention District Sales Tax Trends 2009-2015

2013

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

2014

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

2015

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$399,500	\$390,593	\$446,269	\$464,703	\$481,304	\$486,423	\$453,262	\$461,408	\$460,379	\$462,462	\$452,448	\$498,751	\$4,958,751
St. Clair	\$379,901	\$383,206	\$462,400	\$425,254	\$455,740	\$483,020	\$432,378	\$448,558	\$448,981	\$443,474	\$449,738	\$512,648	\$4,812,648
Monroe	\$42,760	\$39,903	\$45,866	\$47,189	\$50,546	\$48,723	\$47,636	\$45,837	\$46,257	\$46,831	\$46,048	\$50,595	\$507,595
Total Month	\$822,161	\$813,702	\$954,534	\$937,146	\$987,590	\$1,018,166	\$933,276	\$955,803	\$955,617	\$952,766	\$948,234	\$1,027,994	\$10,278,994
Cumulative Total	\$822,161	\$1,635,863	\$2,590,397	\$3,527,543	\$4,515,133	\$5,533,299	\$6,466,575	\$7,422,377	\$8,377,994	\$9,330,760	\$10,278,994		
% change/month	6.64%	-0.70%	-1.05%	-0.51%	-0.81%	0.66%	0.43%	2.20%	1.85%	2.54%	0.05%		
% change/total	6.64%	2.86%	1.38%	0.87%	0.50%	0.53%	0.51%	0.73%	0.86%	1.03%	0.93%		

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
January 31, 2016**

Beginning Bank Balance January 1,		\$ 359,551.03
Receipts		
UMB	01/19/2016 Funds transfer/ Construction	1,977,970.26
UMB	01/19/2016 Funds transfer/Admin	23,948.25
The Bank of Edwardsville	01/31/2016 January Interest	117.63
		\$ 2,002,036.14
Disbursements		
Illinois Secretary of State	01/04/2016 Registration & Filing	307.05
Microsoft Office	01/04/2016 Subscription	0.99
Dorgan, McPike & Assoc, LTD	01/06/2016 Legal & Legislative	3,000.00
Smith Dawson & Andrews	01/06/2016 Government Relations	5,000.00
Walmart	01/11/2016 Supplies	50.52
ABNA	01/11/2016 Design & Construction	13,413.58
CliftonLarsonAllen LLP	01/11/2016 Fiscal Agent	2,300.00
East-West Gateway Council of Governments	01/11/2016 Supervisor Management Services	15,412.77
Marks & Associates	01/11/2016 Professional Fees	3,590.00
Haier Plumbing	01/12/2016 Construction	101,394.20
AT & T	01/14/2016 Office telephone	86.15
Amec Foster Wheeler Environment & Infracore	01/15/2016 Design & Construction	336,549.05
Columbia Capital	01/15/2016 Financial Advisor	7,100.00
Columbia Capital	01/15/2016 Financial Advisor	26,278.85
Cost Less Copy Center	01/19/2016 Board Meeting Materials	182.00
Husch Blackwell	01/19/2016 Legal & Legislative	22,006.80
Husch Blackwell	01/19/2016 Real Estate Acquisition	1,361.00
Husch Blackwell	01/19/2016 Construction Legal	22,152.32
Husch Blackwell	01/19/2016 Bond Issuance	18,009.90
The Bank-Service Fees	01/19/2016 Wire Fee	10.00
The Bank-Service Fees	01/19/2016 Wire Fee	10.00
TREVICOS South	01/20/2016 Construction	865,126.53
The Bank-Service Fees	01/20/2016 Wire Fee	15.00
The Bank-Service Fees	01/20/2016 Wire Fee	15.00
The Bank-Service Fees	01/20/2016 Wire Fee	15.00
The Bank-Service Fees	01/20/2016 Wire Fee	15.00
The Lane Construction Corporation	01/21/2016 Construction	80,965.65
Keller Construction Inc.	01/21/2016 Construction	101,084.77
Keller Construction Inc.	01/21/2016 Construction	21,018.10
The Bank-Service Fees	01/29/2016 Bank Service fees	17.40
		\$ 1,646,487.63
		\$ 715,099.54



Memo to: Board of Directors
From: Chuck Etwert
Subject: Amendment of FY2016 Flood Prevention District Budget
Date: February 12, 2016

With the change orders for the installation of the Reinforced Concrete Pipe (RCP) on Bid Packages 2B, 4, & 5 approved and executed and the bond issue sale completed, it is necessary to amend the FY2016 budget the Council approved last August. In addition, funds have been included for work budgeted but not completed in FY2015, the construction of the East St. Louis Combined Sewer Project currently under design, and change orders approved by the Council since August.

All additional funds being budgeted are required for the 100-Year Level of Protection and FEMA accreditation, with all projects still scheduled for completion by September 2016. There is no change to the Administrative expenditures. Except for the funds being budgeted for the construction of the East St. Louis Combined Sewer Project, the other funds have been previously approved by the Council.

The recommended amended FY2016 budget is shown in Table 1. Accompanying the amended budget are Tables 2 thru 5 providing a Summary of Expenditures (with increases highlighted), Total Funds Available, Estimated Surplus, and Estimated Available Authorized Level Funds.

In summary, the budget is increasing approximately nineteen million dollars. The increases are as follows:

Replacement of HDPE Pipe with Reinforced Concrete pipe (RCP)	\$ 10 million
Design, CM, & Construction not completed in FY2015	\$ 4 million
East St. Louis Combined Sewer	\$ 4 million
Contingencies, Flood Activities, Change Orders	\$ 1 million

A regional partnership to rebuild Mississippi River flood protection

The budget has also been revised to reflect the proceeds from the 2015AB Series Bond Issue.

It is estimated that at the end of FY2016, the Council will have approximately sixty four million dollars left for the Authorized Level of Protection Projects. Adding the Authorized Level funds included in the FY2016 Budget, provides for a total eighty-eight million dollars in funds available for the Authorized Level.

Of course, it is the intent of the Council to spend these funds as fast as possible on the most critical and cost effective on Authorized Level Projects.

Recommendation: Authorize the Chief Supervisor to submit the Amended FY2016 budget for the Council to the Boards of St. Clair, Madison, and Monroe Counties as presented.

Table 1
SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
PROPOSED REVISED BUDGET
OCTOBER 1, 2015 THRU SEPTEMBER 30, 2016

	PROJECTED EXPENDITURES OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015	ACTUAL EXPENDITURES OCTOBER 1, 2014 THRU SEPTEMBER 30, 2015	APPROVED BUDGET OCTOBER 1, 2015 THRU SEPTEMBER 30, 2016	PROPOSED AMENDED BUDGET OCTOBER 1, 2015 THRU SEPTEMBER 30, 2016
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,379,933	\$ 11,378,530	\$ 11,500,000	\$ 11,500,000
Interest Income	270,788	273,556	75,000	75,000
Other Contributions	-	-	-	-
Total Revenues	<u>\$ 11,650,721</u>	<u>\$ 11,652,086</u>	<u>\$ 11,575,000</u>	<u>\$ 11,575,000</u>
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	3,386,102	2,912,215	13,939,900	14,933,787
Construction	\$ 30,099,793	26,860,281	26,597,316	44,674,432
USACE Authorized Level Costs	-	-	2,739,245	2,739,245
Total Design and Construction	<u>33,485,895</u>	<u>29,772,496</u>	<u>43,276,461</u>	<u>62,347,464</u>
Professional Services				
Legal & Legislative Consulting	278,325	287,219	391,000	391,000
Diversity Program Manager	64,380	64,380	25,130	25,130
Construction Oversight	-	-	-	-
Other	-	-	-	-
Financial Advisor	44,725	28,801	83,200	83,200
Bond Trustee Fee	9,778	9,778	10,000	10,000
Total Professional Services	<u>\$ 397,208</u>	<u>\$ 390,178</u>	<u>\$ 509,330</u>	<u>\$ 509,330</u>
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	<u>\$ 4,221,521</u>	<u>\$ 3,237,778</u>	<u>\$ 4,000,000</u>	<u>\$ 4,000,000</u>
Debt Service				
Principal and Interest	7,101,239	7,101,239	7,103,089	7,103,089
Federal Interest Subsidy	(843,700)	(843,700)	(843,700)	(843,700)
Total Debt Service	<u>\$ 6,257,539</u>	<u>\$ 6,257,539</u>	<u>\$ 6,259,389</u>	<u>\$ 6,259,389</u>
Total Design & Construction Expenses	<u>\$ 44,362,163</u>	<u>\$ 39,657,991</u>	<u>\$ 54,045,180</u>	<u>\$ 73,116,183</u>
General and Administrative Costs				
Salaries, Benefits	190,754	193,656	196,500	196,500
Advertising	-	-	-	-
Bank Service Charges	1,502	1,472	1,500	1,500
Annual IL. Lobbyist Registration	311	311	350	350
Equipment and Software	-	25	2,000	2,000
Fiscal Agency Services	27,200	27,200	29,000	29,000
Audit Services	14,100	14,500	15,000	15,000
Meeting Expenses	-	-	1,000	1,000
Postage/Delivery	363	358	400	400
Printing/Photocopies	2,488	2,890	2,500	2,500
Professional Services	191	191	10,000	10,000
Publications/Subscriptions	117	117	250	250
Supplies	2,956	2,982	3,000	3,000
Telecommunications/Internet	2,956	2,507	3,000	3,000
Travel	565	458	5,000	5,000
Insurance	968	968	1,000	1,000
Total General & Administrative Costs	<u>\$ 244,471</u>	<u>\$ 247,635</u>	<u>270,500</u>	<u>270,500</u>
Total Expenditures	<u>\$ 44,606,634</u>	<u>\$ 39,905,626</u>	<u>54,315,680</u>	<u>73,386,683</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	<u>\$ (32,955,913)</u>	<u>\$ (28,253,540)</u>	<u>\$ (42,740,680)</u>	<u>\$ (61,811,683)</u>
OTHER FINANCING SOURCES				
Proceeds From Borrowing	\$ -	-	\$ 65,000,000	\$ 77,545,236
NET CHANGE IN FUND BALANCE	<u><u>\$ (32,955,913)</u></u>	<u><u>\$ (28,253,540)</u></u>	<u><u>\$ 22,259,320</u></u>	<u><u>\$ 15,733,553</u></u>

Table 2

Estimated Project Expenditures 10.1.2015 -9.30.2016

Design & Construction Management	APPROVED FY 2016	REVISED FY 2016	TOTAL INCREASE
Engineering Design			
<i>W. O. #1 Program Mgmt.</i>	\$300,000	\$300,000	\$0
<i>W. O. #3 Preconstruction Activities</i>	\$45,000	\$45,000	\$0
<i>W. O. #5 COR Investigation</i>	\$80,000	\$80,000	\$0
<i>W. O. #7 Final Design</i>	\$0	\$0	\$0
<i>W. O. #9 Wood River Cutoff Walls</i>	\$100,000	\$100,000	\$0
<i>W. O. #11 FEMA Certification Services</i>	\$250,000	\$250,000	\$0
<i>W. O. #12 Authorized Level Planning Services</i>	\$198,900	\$198,900	\$0
<i>W.O. #15 East St. Louis Combined Sewer</i>	\$0	\$276,000	\$276,000
Additional Authorized Level Work Orders			
<i>Wood River Field Activities BP #8, BP #9, & BP #10</i>	\$520,000	\$520,000	\$0
<i>Wood River Design BP #8, BP #9, & BP #10</i>	\$1,521,000	\$1,521,000	\$0
<i>MESD Field Activities</i>	\$4,800,000	\$4,800,000	\$0
<i>MESD Design</i>	\$725,000	\$725,000	\$0
<i>Prairie Du Pont/Fish Lake Field Activities</i>	\$2,400,000	\$2,400,000	\$0
<i>Prairie Du Pont/Fish Lake Design</i>	\$650,000	\$650,000	\$0
<i>Corps of Engineers Authorized Level Costs</i>	\$2,739,245	\$2,739,245	\$0
Construction Management.			
<i>W. O. #8 Construction Management BP #1 - #6</i>	\$450,000	\$450,000	\$0
<i>W.O. #8 Amendment # 4 Flood Activities</i>	\$0	\$244,000	\$244,000
<i>W. O. #10 Construction Management BP #7A & #7B</i>	\$1,275,000	\$1,275,000	\$0
<i>QC/Materials Testing</i>	\$625,000	\$625,000	\$0
<i>FY 2015 Design & CM Not Completed in FY 2015</i>	\$0	\$473,887	\$473,887
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.	\$16,679,145	\$17,673,032	\$993,887
Construction			
<i>Bid Package #2a</i>	\$0	\$0	\$0
<i>Bid Package #2b</i>	\$0	\$1,324,600	\$1,324,600
<i>Bid Package #2c</i>	\$281,632	\$281,632	\$0
<i>Bid Package #3</i>	\$6,182,391	\$7,280,461	\$1,098,070
<i>Bid Package #4</i>	\$525,087	\$3,839,368	\$3,314,281
<i>Bid Package #5</i>	\$2,334,807	\$8,471,176	\$6,136,369
<i>Bid Package #6</i>	\$1,380,253	\$1,719,809	\$339,556
<i>Bid Package #7A</i>	\$0	\$0	\$0
<i>Bid Package #7B</i>	\$11,104,327	\$12,585,334	\$1,481,007
<i>East St. Louis Combined Sewer</i>	\$0	\$4,000,000	\$4,000,000
<i>Contingency (10% of Remaining Construction)</i>	\$2,180,849	\$2,564,082	\$383,233
<i>Utilities</i>	\$0	\$0	\$0
<i>Property Acquisition 100-Year Projects</i>	\$0	\$0	\$0
<i>Property Acquisition Authorized Level - Wood River</i>	\$400,000	\$400,000	\$0
<i>Wetland Mitigation</i>	\$27,970	\$27,970	\$0
<i>HazMat Mitigation</i>	\$1,600,000	\$1,600,000	\$0
<i>Legal</i>	\$580,000	\$580,000	\$0
TOTAL CONSTRUCTION	\$26,597,316	\$44,674,432	\$18,077,116
TOTAL ENGINEERING DESIGN & CONSTRUCTION	\$43,276,461	\$62,347,464	\$19,071,003
REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNT	\$4,000,000	\$4,000,000	\$0

Operations & Financing

<i>General & Administrative</i>	\$270,500	\$270,500	\$0
<i>Debt Service</i>	\$7,103,089	\$7,103,089	\$0
<i>Interest Rate Subsidy</i>	(\$843,700)	(\$843,700)	\$0
<i>Professional Services</i>			\$0
<i>Legal</i>	\$295,000	\$295,000	\$0
<i>Legislative</i>	\$96,000	\$96,000	\$0
<i>Financial Advisor</i>	\$83,200	\$83,200	\$0
<i>Diversity Program Mgr.</i>	\$25,130	\$25,130	\$0
<i>Bond Trustee</i>	\$10,000	\$10,000	\$0
TOTAL OPERATIONS	\$7,039,219	\$7,039,219	\$0
TOTAL EXPENSES	\$54,315,680	\$73,386,683	\$19,071,003

Table 3

Total Funds Available 10.1.2015 – 9.30.2016

Fund Sources	FY2016
<i>Sales Tax Revenue</i>	\$11,500,000
<i>Interest Income</i>	\$75,000
<i>Cash on hand (9/30/15)</i>	\$697,082
<i>2010 Bond Fund Balance (9/30/15)</i>	\$22,766,298
<i>2015 Bond Fund Balance (1/6/16)</i>	\$77,545,236
<i>County FPD Tax Bal. (as of 9/30/15)</i>	\$24,176,234
<i>Increase in County FPD Tax Bal. 9/30/15 to 1/31/16</i>	\$1,257,485
TOTAL FUNDS AVAILABLE	\$138,017,335

Table 4

Estimated Surplus 9.30.2016

Fund Sources	FY2016
<i>Revenue</i>	\$138,017,335
<i>Expenses</i>	\$73,386,683
Estimated Surplus	\$64,630,652

Table 5

Estimated Available Authorized Level Funds

<i>Authorized Level Design included in FY2016 Budget</i>	\$14,164,745
<i>Authorized Level Construction included in FY2016 Budget</i>	\$9,446,022
<i>Surplus from FY2016</i>	\$64,630,652
Total Estimated Funds Available for Authorized Level	\$88,241,419



Memo to: Board of Directors
From: Chuck Ewert
Subject: Flood Event Update
Date: February 12, 2016

As discussed at last month's meeting there were emergency operations required in areas where the Council has construction activities in operation. As indicated at the meeting, the Council would be seeking public assistance for entitled reimbursement.

Since the emergency operations were located in each of the Counties represented by the Council, each County was contacted regarding procedures and for the identification of the contact person for each county. All of the county contact individuals were very helpful and offered their assistance.

During the first week of February, representatives of Amec Foster Wheeler and Husch Blackwell and I met with the Illinois Emergency Management Agency (IEMA) and the Federal Emergency Management Agency (FEMA) representatives in each county to present our Preliminary Damage Assessments (PDAs). The following requests were submitted.

Monroe County:

Site 5 Emergency Pumping	\$140,798.66
--------------------------	--------------

St. Clair County:

Site 9 Emergency Pumping	\$ 13,660.00
Site 10 Emergency Pumping	\$169,355.27

Madison County:

Flood Damage Area 7B	\$796,468.41
Flood Damage Area 2C	\$ 4,910.00



Costs for Madison County Flood Damage Area 7B are costs which the contractor is claiming. All additional information requested at the meeting or subsequent to our meetings has been submitted. As of today, there has not been any response to our requests. I will keep everyone informed as determinations are received.

At last month's meeting there was also a request to determine if the required flood fighting at pump station site 5 was the result of an inappropriate installation of the HDPE pipe. Amec Foster Wheeler has prepared the following summary of events.

Prairie du Pont Site 5 Pump Station History

During flood patrol activities on June 30th, 2015 a depression around the Site 5 pump station (in the Prairie du Pont levee system) was observed. At the time of the flood event, the reason for the settlement was unknown. However, it was clear at the time that material was entering the pump station; therefore, the sluice gates on the inside of the pump station, which block the flow from each incoming pipe, were closed to prevent further settlement around the station. It was determined, after the flood event, that the incoming pipe connection seals had failed, thereby allowing some of the backfill material around the pump station to enter the pump station.

By closing the sluice gates, the water from the adjacent gravity collection system could no longer enter the pump station. At that time, the gravity collection system had not yet been completed, as the 24 relief wells that are tributary to the pump station did not have their aluminum check valves installed. In lieu of the check valves, the contractor placed 5-gallon buckets over the top of the riser pipes as a temporary check valve to prevent debris from entering the riser pipe; this was done before the flood event. It should be noted that these 24 relief wells are each installed inside of their own manhole. When the sluice gates were closed, the gravity collection system filled up with water that would have otherwise been pumped out. In one relief well manhole, as the water level rose, the 5-gallon bucket temporary check valve became buoyant and lifted off the riser pipe. The bucket then filled with water and sank down to the bottom of the manhole where it eventually became lodged in the outlet pipe, thereby causing the manhole to fill with even more water.

With a clogged outlet, the water in the relief well manhole eventually poured out onto the adjacent ground. Meanwhile, water began exfiltrating from one of the uppermost manhole joints. At the time, the exfiltration from the manhole joint was the cause of much concern, since the cause of the failure was not yet known, and the 5-gallon bucket problem was also unknown. The contractor has since reset the applicable manhole section with new joint mastic at no additional cost to the FPD Council.

In mid-July, after the flood event, Amec Foster Wheeler began the investigations that determined the aforementioned failures. As previously stated, the mastic failure was an issue that the contractor was responsible to repair. The failure of the seals at the pump station was not as straightforward. The pump station was designed by one of Amec Foster Wheeler's sub-consultants, so Amec Foster Wheeler began a design review of the seals and the pipe system

adjacent to the seals. The high-density polyethylene (HDPE) pipe manufacturer recommends a maximum cover depth of 11-12 feet, assuming reasonable compaction is performed on the material around the pipe (greater depths can be obtained with more stringent compaction). These pipes are buried with approximately 8.5 feet of cover; therefore the design of the pipes was not investigated any further. Similarly, the design limitations of the seals were not exceeded.

After the design review was completed, Amec Foster Wheeler's focus turned towards the construction techniques. Amec Foster Wheeler reviewed the construction daily reports, however, the daily reports offered no help in determining the cause of the seal failure.

On August 4th, Amec Foster Wheeler then met with the contractor on-site and did a physical inspection of the seals from inside of the pump station. As suspected the seal had failed and was no longer making a watertight seal against the pipe. At this time, Amec Foster Wheeler was beginning to suspect that the compaction of the material around the pipe may have cause the pipe to deflect, thereby pulling the pipe away from the seal. Alternatively, settlement may have caused the pipe to move and loosen the connection to the seal or the clamp around the seal that required tightening may not have been tightened properly.

In mid-August, Amec Foster Wheeler began reviewing the contract between the FPD Council and the contractor to determine the protocol for fixing defective work. After review it was concluded that the FPD Council could require the contractor to uncover the work while a team did tests and analyses along the way to try and pinpoint the cause of failure (e.g. poor compaction, improper backfill material, etc.) Under this clause in the contract, the contractor must perform this work at their own cost, until such time it is determined that the contractor is not at fault for the failure, at which point the FPD Council is required to pay the contractor for the costs of the uncovering and ultimate repair. If the contractor refused to uncover the work at their own expense, the FPD council has the option to hire another contractor to do the work, and seek restitution for those costs from the original contractor. Either way, this path was sure to be contentious with the contractor.

Around this time, which was now late August, the Corps of Engineers notified the FPD Council of the potential cost savings that could be realized if the FPD Council replaced the dual-wall HDPE pipe with concrete pipe. Since the Site 5 pump station had 40 feet of dual-wall HDPE pipe installed on either side of the pump station, it was decided to have the contractor price the replacement of the dual wall HDPE pipe at Site 5 with triple-wall polypropylene (Sanitite®) pipe so that all of the HDPE pipe on the Bid Package 2B project would be replaced. Upon receiving the price, it was decided to have the contractor perform this work at the same time as the concrete pipe work. Amec Foster Wheeler will be on-site during the excavation work to look for any abnormalities in the subsurface conditions when the pipe is uncovered; however, there was, and still is, a chance that the true cause of the failure cannot be determined at this point given the flood events that have occurred since the failure.

Starting in September and lasting until mid-December, Amec Foster Wheeler, the Corps, and the contractor worked towards a final design and cost estimate for the HDPE pipe replacement across several pump station sites. At that time it was anticipated that the contractor would begin

construction the last week in December, or the first week of 2016; however, the highly unusual timing of the recent flood event ruined those plans. Since the flood was anticipated to be, and ultimately was, much worse than that experienced in late June 2015, emergency measures were implemented to protect not only the pump station, but also the levee itself.

On average, the river level, even during the normal spring rise, does not rise to a “flood stage”; however, from a purely statistical perspective, there is a 25% chance the river could be at “flood stage” for approximately 2 months.

Pumping is required for the relief wells to operate as designed, thereby protecting the adjacent segment of the Prairie du Point levee from potential underseepage failure. The protection of the electrical equipment in the pump station is also of concern, but the protection of the levee itself is, and always has been, of the utmost importance. The vast majority of the recent pumping costs (approximately \$50,000 per week) was due to the contracted labor which required overseeing the pumping operation around the clock.

In the future, if needed, as a cost saving measure, the FPD Council could procure or rent two portable pumps and work out an arrangement with the levee district to operate, thereby eliminating the contracted labor cost associated with the pumping operation, as the levee district personnel could monitor and fuel up the pumps during their regular flood watch activities.

Presently, we have every indication that the repairs will occur before the spring rise.



Memo to: Board of Directors
From: Chuck Etwert
Subject: Authorized Level Update
Date: February 12, 2016

As you are aware, Amec Foster Wheeler and I are in discussions with the Corps of Engineers regarding funding requests, cash balances and where funds can be spent. It is and always has been the Council's intent to spend its funds, as quickly as possible on cost effective flood prevention projects, to first achieve the 100-Year Level of Protection for FEMA accreditation and then construct as many Authorized Level of Protection projects as funds permit. I would like to provide a summary of the Council's effort and current status regarding the Authorized Level of Protection.

The Council made a commitment to the Authorized Level on February 18, 2015, when it passed a Resolution Expressing the Official Intent to Restore the Federally Authorized Level of Mississippi Flood River Protection in the Metro-East. The resolution specifically outlined the Council's intent to build the most cost effective and highest priority projects throughout the counties of Madison, Monroe, and St. Clair.

The resolution was quickly followed by approval of USACE Authorized Level of Protection Planning and Analysis in April 2015, the Wood River Authorized Level Field Investigation and Design in July 2015, and the MESD Levee System Authorized level Field Investigation and Design in September.

In December, the council successfully issued Series 2015AB Bonds which generated an additional \$77.5 million for Authorized level Improvements.

Also, in December the Corps of Engineers notified the Council that it had insufficient funds to perform all the Corps' oversight required for the design and construction of the Wood River and MESD projects, however they indicated that additional funds had been requested and they would find out in February whether these funds were awarded. In addition, they currently do not have

the funds to complete the PDP/Fish Lake analysis, which is required prior to Amec Foster Wheeler starting any design in this area. We have been waiting on this analysis for a long time.

The Council's current budget includes Corps oversight funding of \$1,239,245 for Wood River and \$1,500,000 for MESD and Prairie Du Pont/Fish Lake for the Authorized Level Projects.

The Corps has informed the Council that the construction completed on the current BP #7B project would be eligible for Work In-Kind Credit.

On February 9, I met with representatives from the Corps and from Amec Foster Wheeler to review Metro East Design Deficiencies. An agenda, and funding summaries from that meeting are attached. During the meeting, the Corps indicated that they had limited funding for FY 2016 and no funding in the President's 2017 Budget, and initiated discussion on ways to reduce scope in order to stay within the limits of their available funding.

Based on discussion at that meeting there are several concepts that the Board may want to consider. These are based on initial funding estimates, and will need to be refined as additional details become available. Specifically, Corps financials reflect FY 2016 numbers, and we are already several months into FY 2016.

In order to determine the best use of Council funds, a summary of alternatives for each levee district is provided.

Wood River

While the exact dollars were not available, the Corps indicated that in the Wood River Levee they had less than \$2.9 million available compared to a FY 2016 need of \$7.1 million (which includes some portion of Local Sponsor cost share). Corps estimate to construct the shallow cut off wall is \$2.5 million with costs associated with Corps management of the construction project at \$370,000. Additional Corps estimated costs are \$200,000 for design of deep cut off wall, \$200,000 for oversight of 408 activities (existing construction), \$420,000 for Project Costs, and \$3.5 million to support Amec Foster Wheeler Authorized Level Design. Further the Corps indicated that they do not anticipate much funding for FY 2017.

Recognizing this shortfall in funds for Wood River the options available are:

1. Halt all Authorized Level design activities being performed by Amec Foster Wheeler and the associated Corps oversight activities for these designs. If the Council contributes funds to balance current local cost share requirement (estimated at \$1.4 million does not consider WIK) this would allow the Corps to complete the design of the deep cut off wall, complete the 408 activities, and fund the construction of the shallow cutoff wall. This would also include using available Work in Kind credit, with the Council providing a 5% cash match for the shallow cut off wall construction. The Corps has indicated that this is their preferred alternative as they believe it increases the likelihood of Federal funding in the FY 2018 budget.

2. Concentrate on completing the Authorized Level of Protection design by Amec Foster Wheeler and utilize remaining Corps funds to oversee this design. The Corps has indicated that this does not include any construction during FY 2016, and would therefore result in any of their unspent funds remaining in July 2016 being reallocated and further reducing the prospects of additional Federal funding.
3. Have the Council issue request for bids utilizing the Corps Plans and specs for the shallow cut off wall, and have the Corps utilize remaining funds to complete the 408 activities, the deep cut off wall design, and oversight of the Authorized Level of Design being completed by Amec Foster Wheeler.

MESD

Again, based on preliminary numbers provided by the Corps, it appears that available federal funding for FY 2016 is approximately \$2.5 million, with an additional estimated \$1.0 current shortfall in Local Sponsor Cost Share. Estimated FY 2016 expenditures (including Local Cost Share) is \$4.8 million. This FY2016 effort includes: field exploration for 54 relief well alternative to deep cut off wall \$477,000; first increment of design for 54 relief wells, \$740,000; 408 costs associated with oversight of existing construction, \$200,000, project costs \$642,000; support of Authorized Level design by Amec Foster Wheeler \$2,751,473.

Recognizing the funding shortfall in MESD there are several alternatives to consider. A key difference between MESD and Wood River is that the Project Partnership Agreement (PPA) for MESD allows accelerated funds to support the project

1. Modify Task Order with Amec Foster Wheeler to include the field investigation of the 54 relief wells, and reduce the amount of Authorized Level of Design completed by Amec Foster Wheeler and the associated oversight by the Corps.
2. Modify Task Order with Amec Foster Wheeler to include the field investigation of the 54 relief wells, and contribute additional funds to the Corps to complete all activities.
3. Halt AMEC Foster Wheeler design in Wood River and have them concentrate effort in MESD, by completing scheduled FY 2017 work in FY 2016. Increase contribution to Corps to oversee this effort, to include remainder of Corps oversight cost of \$5.3 million).
4. Modify Task Order with Amec Foster Wheeler to include the field investigation of the 54 relief wells, and determine whether the Corps can transfer design responsibility for the design of this alternative to Amec Foster Wheeler, and identify any cost implications associated with this transfer. Contribute additional funds to the Corps to complete all activities.

PdP/FL

At this time it does not appear that the Corps has available funds to perform any reanalysis of the LRR, which is a precursor to any Authorized Level design. There may be an opportunity to proceed with improvements under a 408 process, or by amending the PPA to include additional funding options.

Applicable to all levees

All of these alternatives are conceptual in nature, and available funding requires update and validation by the Corps. Additionally, the Project Partnership Agreements need to be updated to include the WIK provisions. It may be appropriate to consider including provisions for Accelerated Funding, Advance Funding, or Contributions in the amended PPAs as appropriate as it appears that the Council may have funds that would exceed their 35% local share or that would be available in advance of Federal Funding.

We are still in conversations with the Corps, but wanted to provide this additional information regarding the Corps situation and upcoming decisions that will have to be made.

AGENDA

Metro East Design Deficiency Projects Meeting

Meeting Date: 09 February, 2016

What: Metro East Design Deficiency Projects Meeting

Purpose: To discuss the activities identified for FY16

Invitees: Chuck Etwert, Jon Omvig, John Peukert, Dave Busse, Mike Feldmann, Mark Alvey, Jose Lopez, Tracey Kelsey

Agenda:

1. FY16 Activities
 - a. Complete USACE designs
 - b. Required field exploration
 - c. FPD bid packages
 - d. 408 oversight
2. Breakdown of East St. Louis and Wood River funds
3. Reduction of Scope
4. Status of WIK Credit
5. Consequence of using WIK Credit
6. Identification of Priority Projects

Metro East
 FY16 Potential Activities

FY15 Carry Over:	3,183,091
Allocated to Recon:	256,000
FY16 Allocation:	50,000
FED Available for DD:	\$ 2,977,091

Wood River

Priority	Activity	Estimate	FY16
1	Construct Shallow Wall	2,462,000	2,462,000
2	S&A/EDC for Shallow	369,300	369,300
	Complete first increment of design (deep cutoff wall	200,000	200,000
2			
3	408	200,000	200,000
	Associated Project Costs	420,000	420,000
3			
3	Support Pre-Design Activities for FPD Bid Packages	3,540,700	3,540,700
4	S&A/EDC	2,315,940	
	Total Required:	9,507,940	7,192,000

MVS Activities Estimate

BP8	2,012,795	
BP9	1,692,350	
BP10	2,151,495	
Total	5,856,640	



Memo to: Board of Directors

From: Chuck Etwert

Subject: BP #2B – Site 5 Pump Station Ameren Illinois Agreement

Date: February 12, 2016

As everyone is aware, the HDPE pipe is being replaced at the Site 5 pump station. As part of the HDPE pipe replacement, Ameren Illinois will need to temporarily relocate a transformer, then place the transformer back in service after the pipe replacement work is complete.

In the past, Ameren Illinois has prepared a cost estimate for work up front and the FPD Council has paid Ameren Illinois before the work begins. In this case, Ameren Illinois has opted to disconnect the transformer and move it to their warehouse before they will provide a total cost for the work. After Ameren Illinois has moved the transformer to their warehouse, they'll provide a cost for the work of removal and replacement, which the FPD Council will need to pay before Ameren Illinois will place the transformer back in service.

Since the transformer is needed for the Site 5 pump station to operate, it is in everyone's best interest to have the transformer back in service as soon as the pipe work is complete. Unfortunately, the entire process and schedule does not fit well into the FPD Council board meeting schedule; if the FPD Council were to wait until the March board meeting to approve Ameren's cost estimate it is possible that the transformer will not be in service when the spring floods come, thereby rendering the Site 5 pump station inoperable.

Amec Foster Wheeler has discussed this situation with Ameren Illinois and it is felt that an appropriation of \$20,000 should be sufficient to cover the Ameren Illinois cost for removal and relocation of the transformer.

Recommendation: Authorize the Chief Supervisor to enter into an agreement with Ameren Illinois for the removal and relocation of the transformer at the Site 5 pump station at a cost not to exceed \$20,000.00