



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
April 20, 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 March 16, 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. ABNA Engineering, Inc. Work Order No. 3
Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor
8. Change Orders BP #5 & BP #7B
Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor
9. Update from Corps of Engineers
Tracey Kelsey, U.S. Army Corps of Engineers

AGENDA

10. Public Comment

Executive Session (if necessary)

11. Other Business

12. Adjournment

Next Meeting: May 18, 2016

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING March 16, 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 March 16, 2016.

Members in Attendance

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

Members Absent

none

Others in Attendance

Terry Liefer, Monroe County Board Chair
Chuck Etwert, SW Illinois FPD Council
Brooks Brestal, Horner & Shifrin
Michael Brokering, Scheffel Boyle
Rich Conner, Levee Issues Alliance
Randy Cook, Amec Foster Wheeler Environment & Infrastructure
Mike Feldmann, U.S. Army Corps of Engineers
Walter Greathouse, Metro-East Sanitary District
Gary Hoelscher, Millennia Professional Services
David Human, Husch Blackwell LLP
Phil Johnson, Phil Johnson Realtor
Ron Kaempfe, IUOE Local 520
Tracey Kelsey, U.S. Army Corps of Engineers
Steve Langendorf, Scheffel Boyle
Cas Sheppard, SMS Engineers

Jay Martin, Amec Foster Wheeler Environment & Infrastructure
Jack Noman, Southern Illinois Groundwater Advisory Council
David Oates, Oates Associates
Jon Omvig, Amec Foster Wheeler Environment & Infrastructure
Joe Parente, Madison County
Dale Stewart, Southwestern Illinois Building Trades Council
Matt Vielhaber, U.S. Army Corps of Engineers

Call to order

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

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

Mr. Polka - Present
Mr. Brinkman – Present
Mr. Bergkoetter - Present
Mr. Conrad - Present
Mr. Long – Present
Dr. Moore – Present
Mr. Motil – Present
Mr. Parks – Absent
Mr. Hamm – Present

A quorum was present.

Approval of Minutes of February 17, 2016

A motion was made by Tom Long, seconded by John Hamm, to approve the minutes of the Board meeting held on February 17, 2016. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Public Comment on Pending Agenda Items

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

Program Status Report

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

He indicated approximately 71% of the \$71.9 million of construction, involved in all nine current construction bid packages, has been completed thru February. The amount of work completed during the month was just over \$2.9 million, which is the second largest monthly amount spent to date, and the largest amount since October 2014. The total amount of construction completed is \$50.8 million.

He stated that it was a full agenda today, with Scheffel Boyle presenting the 2015 Audit, an Authorized Level Update, funding commitments to the Corps, change orders, a Work Order Amendment, and renewal of state and federal government relations contracts.

He said that Amec Foster Wheeler and he have continued to meet with the Corps of Engineers regarding, how the limited available federal funds could be utilized in the best interest of the Council. The Corps has developed a new approach to the situation which will be discussed in detail later in the agenda under the Authorized Level Update.

He indicated that he was informed that the Integral Determination Reports (IDRs) that were scheduled to be approved in February have been approved. As explained last month, we were waiting for the IDR approvals, to be eligible for Work In-Kind credit. However, following last month's meeting, we were informed by the Corps that Work In-Kind Credit cannot be utilized until after the Project Partnership Agreements are amended, which is expected to take up to twelve months after the approval of the IDRs. Since Work In-Kind Credit will not be available in FY2016, the Corps has offered an alternative approach.

Lastly, he indicated that Ryan Weber of Monroe County has informed the FPD that FEMA has denied the request for the Presidential Declaration. Illinois Counties had submitted 24 million dollars to IEMA but after the FEMA PDA in February that price was decreased to just over 16 million which is below the 18 million dollar state required loss. The governor decided to submit the request anyway since the areas that were affected in December were the same areas that were affected from the flooding in June. Unfortunately, that did not matter to FEMA when they reviewed the claim prior to forwarding to the President. Currently the state is in the process of looking at the cost to see if there is any extra money that they can add to the total. The state has thirty days to appeal the decision from FEMA. Ryan has indicated he will inform us if he hears anything else.

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

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

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

The motion was approved unanimously.

Budget Update and Approval of Disbursements

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

Mr. Etwert noted that financial statement for February 2016 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 February 29, 2016, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2015 are \$16,341,204 while revenues amounted to \$4,851,444 resulting in a deficit of \$11,489,760. 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 December 2015 (the latest month reported by the Illinois Department of Revenue) were up 2.92% from the previous year. Receipts were up 1.14% from last year and the total for 2015 was \$11,478,688, which is \$129,262 more than last year, which was our highest year.

The report included bank transactions for February 2016. Total disbursements for the month were \$2,288,581.58. The largest payments were to TREVIICOS South for BP #7B, Keller Construction for BP #3 and BP #5, Haier Plumbing for BP #4, Korte & Luitjohan for BP #2B, 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 February 2016 Bank Transaction Schedule prepared by CliftonLarsonAllen.

Mr. Etwert recommended that the Board accept the budget report and disbursements for February 2016.

A motion was made by Mr. Brinkman, seconded by Mr. Hamm, to accept the budget report and approve the disbursements for February 2016. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Design and Construction Update

Mr. Motil called on Jay Martin, Amec Foster Wheeler’s project manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. He reiterated that 70 percent of the proposed construction dollars have been spent, huge strides have been made in improving the system, and we are in the home stretch. His presentation, including a few site photos, focused on the construction status of each bid package, FEMA Certification Update, and the Authorized Level (500-Year) Design as follows:

Construction Status

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

- The majority of planned construction for this project is complete
- Amec Foster Wheeler preparing close-out documents for USACE
- Pipe replacement is pending River, Weather, and approval submittals

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

- Contractor is completing punch list items
- As-Built and closeout documentation is currently being complied

Bid Package 3 – Wood River Seepage Improvements

- Design revisions to Blanket Drain 4 and Random Fill 1 are complete. Associated Change Orders are being considered for approval this month.
- Lower Wood River Relief well drilling in progress. 80 of 85 relief wells are installed; plan to complete this month
- Seepage Berm fill placement has re-started.
- Impacted material at Weir 3. Work will resume soon, sampling complete, management plan developed. Change order on this month's agenda.

Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)

- Clay Cap approximately 80% complete. Husch-Blackwell working to resolve existing utilities issues with the clay cap.
- Pipe Replacement is pending River, Weather, and approved submittals.

Bid Package 5 – MESD Seepage Improvements

- Pipe Replacement is pending River, Weather, and approved submittals.
- Completion of clay cap construction

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

- Contractor resumed seepage berm placement; less than 5% remains

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

- Panel installation in progress. 77 of 136 panels are complete.
- Mississippi River flank complete.

Construction Photos

Bid Package 3 – Wood River – Weir 2 Complete

Bid Package 3 – Wood River – Relief Well Drilling Resumes

Bid Package 3 – Wood River – Seepage Berm Work Begins

Bid Package 7B – Wood River – Beginning Work on Wood River Flank

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 this week.
- Submit to FEMA early 2nd Quarter of 2016

Wood River East & West Forks

- Certification efforts are underway
Re-inspections may need to be done as soon as weather and river permits

Lower Wood River

- Deep cut-off wall

MESD

- Pending completion of Bid Packages 2B, 4, & 5.
- 10.5' diameter sewer rehabilitation design continues.
- Construction Completion 3rd Quarter 2016

Prairie du Pont & Fish Lake

- Pending completion of Bid Packages 2B & 6.
- Construction Completion pushed to April of 2016
- 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 will modify prior LRR.
- Initial drilling scope completed in February 2016
- Authorized Level Design is contingent on USACE having adequate funds for review

MESD

- Drilling began this week.
- Select access agreements for drilling are ongoing.

- Corps continues to provide boring locations as re-evaluation is completed. Currently 51 additional borings have been requested.

PdP/FL

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

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. Bergkoetter, 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 - Aye
Mr. Conrad - Aye
Mr. Long – Aye
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – absent
Mr. Hamm - Aye

The motion was approved unanimously.

2015 Audit and Financial Report

Mr. Motil asked Mr. Michael Brokering, representing Scheffel & Boyle, who prepared the 2015 Audit Report to review the audited financial statements that were distributed to the Board in the mailing and at the meeting. He explained the statements, tables and notes in detail.

He stated that the Council financial statements for the year ended September 2015 had been audited and were found to represent fairly in all material respect and therefore, the Council received a clean opinion. He pointed out that the financial statements are the Board’s responsibility as management, and that Scheffel & Boyle’s responsibility is to issue an opinion on the statements.

Two required communication letters from Scheffel to the Board accompanied the audit and were also discussed. The first letter discussed weaknesses in internal controls. This comment, which is not new, is that due to the small size of the Council’s staff, there is some limitation in financial controls. There were no material weaknesses in the Council’s internal controls. Mr. Brokering noted that this is pretty common in very small organizations, and noted that it was important for the Board to continue to review disbursements and financial statements monthly. He noted that

CliftonLarsonAllen does provide a level of oversight. The second letter pointed out that there were no difficulties in performing the audit, but that several adjustments were made to the financial statements. These were mainly reclassification of journal entries. There are no audit findings to report.

Mr. Motil thanked Mr. Brokering and Scheffel Boyle for the report.

Mr. Motil asked for a motion to accept the 2015 Audit and Financial Report. A motion was made by Mr. Polka, with a second by Mr. Brinkman, to accept the 2015 Audit and Financial Report. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Authorized Level Update

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

Mr. indicated that over the last few months, Amec Foster Wheeler and he have been in discussions with the Corps of Engineers regarding funding requests, cash balances and where the Corps' limited 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.

He then presented the current status of each of the levee systems and what is anticipated to be accomplished between now and FY2018 when the Corps hopefully receives additional funding.

In Wood River, the funding of the Wood River Shallow Cutoff Wall has been the main topic of the discussions. Previously provided to the Board was a summary of funding scenarios which included a Corps request of 35% cash, an FPD request of Work In-Kind credit in lieu of cash, the Corps' acceptance of Work In-Kind credit, and then Corps' final determination that Work In-Kind credit cannot be utilized until after the amendment of the Project Partnership Agreement, which would take up to a year.

He then presented the Corps of Engineers latest proposal regarding the Solicitation of the Wood River Upper Cutoff Wall Construction Contract and FY Potential Activities in Wood River and East St. Louis. The Corps proposes building the Shallow Cutoff Wall using only federal funds and utilizing the Best Value Tradeoff Approach. He didn't know why this proposal hadn't been offered earlier, but it was being offered now. This would allow the Corps to get credit for the construction, which they have indicated, would provide them a stronger case for FY2018 funding.

The Council doesn't have to contribute any funds directly related to the construction of the Shallow Cutoff Wall, but will have to make a local cost share payment to keep in balance with the overall local cost share. This payment would be used for ongoing Corps oversight of the Authorized Level improvements, the Deep Cutoff Wall Design and other Corps activities.

He indicated that he thought that this would be a win-win process with the Council not having to contribute any additional funds and the Best Value Tradeoff Approach being tested.

In addition, with the remaining limited funds that the Corps has and the Council's budgeted cost share contribution, to be discussed later in the meeting (Agenda Item #9), the following will also occur:

The Corps will complete the design of the Deep Cutoff Wall in FY 2016 and apply for funding for FY2018.

The Corps will complete 408 Activities on the 100-Year Protection Projects.

Amec Foster Wheeler will complete the design of a bid package in 2016 with construction scheduled to begin in FY2017. Corps of Engineers will provide oversight on the design and potentially the construction of that Bid Package. The actual improvements to be designed will be determined after the Corps completes re-evaluation of the LRR.

Limited Corps funding will require that remaining design of Authorized Level improvements in Wood River be put on hold and Amec Foster Wheeler's design efforts be shifted to the MESD Levee System where the Corps has sufficient funds to provide oversight all the activities on design and some construction. However, the FPD would continue explore how to provide the Corps additional funds for oversight activities in Wood River.

In MESD, the funding situation is a little different. The Corps has sufficient funds for oversight activities for design and some construction. In addition, the East St. Louis Project Partnership Agreement allows for accelerated funding, where the Council could spend up to their 35% share up front early in the process.

With the available funds that the Corps has and the Council's budgeted cost share contribution, to be discussed later in the meeting (Agenda Item #9), the following will also occur:

The Corps will complete 408 Activities on the 100-Year Protection Projects.

The Corps will provide their FY2016 budgeted oversight activities on BP #11, BP #12, BP #13, and BP #14 being designed by Amec Foster Wheeler.

The Corps will also have the potential to provide oversight activities on a construction of a Bid Package.

After Amec Foster Wheeler completes the Field Investigation, proposed later in the meeting (Agenda Item #11), of the additional 51 relief wells, now required in lieu of the deep cutoff wall, the Corps will complete the design of these relief wells, with the intent of applying for funding in FY2018.

In Prairie Du Pont/Fish Lake, the Corps has limited funding in this area and is unable to perform any reanalysis of the LLR, which is a precursor to any Authorized Design. However, the Corps is currently looking at areas that were not impacted by the Council's 100-Year improvements and where the FPD seepage berms can be increased to meet Federal project level, thus identifying possible Authorized Level design. If this occurs then a work order for field investigation and design for Prairie Du Pont/Fish Lake could be requested from Amec Foster Wheeler.

Opportunities to proceed with improvements under a 408 process are also being investigated.

In summary, Mr. Etwert indicated that Corps of Engineers, Amec Foster Wheeler and he have agreed on the plan outlined above, which will provide the FPD with the completion of design of projects, construction of projects and the best position for the Corps to receive funds in FY2018.

He recommended acceptance of the outlined plan of the Corps of Engineers constructing the Wood River Shallow Cutoff Wall using only federal funds utilizing the Best Value Tradeoff Approach, the Corps of Engineers completing identified design, the Corps of Engineers providing the most design and construction oversight possible with the limited funds available, the Council authorizing the expenditure of budgeted funds for Design Deficiency Project Activities, and the amendment of Amec Foster Wheeler Work Order #14 to include the field exploration of an additional 51 relief wells.

Mr. Parks arrived during the presentation.

Mr. Motil inquired if the shifting of activities from the Wood River System to the East St. Louis System would cause any significant problems for Amec Foster Wheeler, to which, Mr. Martin and Mr. Omvig responded it didn't.

Since there were contingencies regarding other items on the agenda to occur, Mr. Motil asked that the minutes reflect and a motion be made to accept the outlined plan of the Corps of Engineers constructing the Wood River Shallow Cutoff Wall using only federal funds utilizing

the Best Value Tradeoff Approach, the Corps of Engineers completing identified design, the Corps of Engineers providing the most design and construction oversight possible with the limited funds available, and contingent on the Council authorizing the expenditure of budgeted funds for Design Deficiency Project Activities, and contingent on the amendment of Amec Foster Wheeler Work Order #14 to include the field exploration of an additional 51 relief wells

Mr. Hamm made the motion to accept the outlined plan of the Corps of Engineers constructing the Wood River Shallow Cutoff Wall using only federal funds utilizing the Best Value Tradeoff Approach, the Corps of Engineers completing identified design, the Corps of Engineers providing the most design and construction oversight possible with the limited funds available, and contingent on the Council authorizing the expenditure of budgeted funds for Design Deficiency Project Activities, and contingent on the amendment of Amec Foster Wheeler Work Order #14 to include the field exploration of an additional 51 relief wells. Dr. Moore seconded the motion. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Commitment to Provide Cost-Share to the Corps of Engineers to continue Design Deficiency Project Activities for the Design of Levee System improvements for the Authorized level of Flood protection in the Metro-East Sanitary and Wood River Districts
Mr. Motil asked Mr. Etwert to explain this item.

Mr. Etwert explained, in February 2015, the Board adopted the Council’s Resolution Expressing the Official Intent to Restore the Federally Authorized Level of the Mississippi Flood River Protection in the Metro-East.

In July and September of last year the Council approved the design of Authorized Level Bid Packages in the Wood River and Metro-East Sanitary Districts. At the time of these approvals, the Corps of Engineers indicated that they would be requesting cost share funds for the oversight of the design of these projects which would be providing Authorized Level Protection.

The original budget approved in August 2015 and the amended budget approved last month both contained a line item for Construction and Design by USACE in the amount of \$2,739,245.

At the time the budget was developed, it was thought that the requested funds would be utilized as follows:

Wood River District	\$1,239,245	
East St. Louis & Prairie Du Pont/Fish Lake	<u>\$1,500,000</u>	(Estimated)
Total	\$2,739,245	

The Corps has requested cost share funds in the amount of \$1,475,319 for Wood River and \$964,299 for East St. Louis for design deficiency project activities. This would leave \$299,627 for Prairie Du Pont/Fish Lake. The Corps currently does not anticipate requesting any funds for Prairie DuPont/Fish Lake this fiscal year. However, the FPD will continue to investigate where these funds could possibly be used for the FPD's benefit. Any additional cost share funding would require approval by the Council.

The Board was provided copies of the Corps cost share funding requests.

Mr. Etwert requested that the Chief Supervisor be authorized to provide up to \$2,439,618 as cost-share for Corps of Engineers design deficiency project activities for FY2016 in accordance with the existing Design Agreements in the Metro-East Sanitary and Wood River Districts.

Mr. Motil asked for a motion to accept Mr. Etwert's recommendation. Mr. Bergkoetter made the motion to authorize the Chief Supervisor to provide up to \$2,439,618 as cost-share for Corps of Engineers design deficiency project activities for FY2016 in accordance with the existing Design Agreements in the Metro-East Sanitary and Wood River Districts. Mr. Parks seconded the motion. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Change Orders BP #2B, BP #3, BP #5, and BP #6

Mr. Motil asked Mr. Omvig to explain this item. Mr. Omvig introduced Mr. Randy Cook who explained the following change orders:

Bid Package 2B – Replace Damaged Fencing at Site 05 Pump Station - \$8,700.00

During the December 2015 flood event, a temporary berm was built around the Site 05 Pump Station enclosure to prevent flood waters from potentially damaging the controls. Due to limited space between the fence and rising flood waters the fill was placed as close to the fence as possible. In the days following the installation of the berm, rain caused the berms to settle slightly which bent fence posts and fabric. The fence will require replacement on the North, East, and South sides of the enclosure.

Category	Cost
Labor	\$3,287
Materials	\$5,413
Total:	\$8,700

Bid Package 03 – Weir 4 Handrail - \$18,478.00

Handrails were added to Weir 4, similar to Weirs 2 & 3, in order to comply with OSHA regulations. Handrails are required for a structure where the vertical distance to the area below is greater than 36". The weirs are being considered structures; therefore handrails were added for maintenance personnel safety during inspections and flood events.

Category	Cost
Labor	\$6,273
Materials	\$10,164
Equipment	\$1,841
Bond	\$200
Total:	\$18,478

Bid Package 03 – Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line. - \$62,525.00

During the horizontal jack and bore under Wagon Wheel Road in Roxana, IL, an obstruction was encountered. The jack and bore operation is to install a storm drainage collection system required as a result of seepage berms being installed in the area. This line is not shown on any of the utility locating service drawings, and was marked clear by the J.U.L.I.E one-call system. During early coordination with Ameren during the design phase, Ameren provided maps that showed this area as all clear. After further investigation and coordination with Ameren, it was discovered that the obstruction is most likely an 8" steel natural gas line that was abandoned by Ameren IP in the mid-1950s. Due to grade restrictions and other existing utilities on the north side of the road, the planned alignment and grade of the drain line is the only possible route. Therefore, with the approval of Ameren IP, the line must will be removed. This will require a sheet pile shoring system to be designed and constructed along Wagon Wheel Road, a deep excavation to unearth the line, and then material placed in compacted lifts prior to resuming the

bore. In the event the line does not belong to Ameren, additional work will be necessary to determine the owner and the path forward.

Category	Cost
Labor	\$22,730
Materials	\$8,847
Subcontractor	\$17,172
Equipment	\$13,101
Bond	\$675
Total:	\$62,525

It was asked if Ameren IP was willing to share the cost since it was their abandoned pipe, to which, Mr. Cook explained no. It also explained that the abandoned steel gas line was directly in the way of the proposed storm system, other utilities were adjacent preventing a relocation of the storm system and therefore the abandoned line had to be removed. It was indicated that deep shoring would be required during the removal of approximately three feet of the line due to its location next to a two lane highway.

Bid Package 03 – Hawthorne impacted material near Weir 3 - \$32,185.00

During the excavation of earth material for Weir 3 in Hartford (southeast corner of IL-3 & Hawthorne Street), an odorous material was encountered. As called for in the specifications, the Contractor stopped work to evaluate the materials and determine the disposal requirements of the material.

The contractor along with their subcontractor, ARDL, developed a Sampling and Analysis Work Plan. Transportation and disposal is established through sampling and landfill requirements.

After verbal concurrence among Amec Foster Wheeler and myself, the Contractor has performed sampling and is awaiting the results to determine the transportation and disposal requirements. It is anticipated that 150 cubic yards of material will go to Roxanna landfill. If the laboratory results yield hazardous material is present, then these costs will be re-evaluated accordingly.

Category	Cost
Downtime & Cover with Plastic	\$2,127
Sampling Plan & Analysis	\$9,023
Work Plan	\$1,121
Disposal & Backfill (Estimated Budget)	\$19,914
Total:	\$32,185

There was a brief discussion on the type of material encountered.

Next, Mr. Omvig explained the following items:

Bid Package 03 – Farm Ditch Revision and Random Fill 1 – (\$135,402.86)

Due to a local farmer’s drain tile that was identified to be filled over after the completion of the project, a plan was developed to pipe the discharge to the nearest outfall. While investigating this area for pipe, the geotechnical team performed additional underseepage analysis to reduce the amount of random fill in this area, thereby improving the drainage characteristics over the original design. This reduction in fill material coupled with an additional 1,421 lineal feet of 8” pipe and associated manholes resulted in a net credit for this area.

Category	Cost
Random fill material credit	(\$201,112.12)
Pipe system and appurtenances	\$65,709.26
Total:	(\$135,402.86)

There was a clarification that the original bid contained the \$201,112.12, which was being eliminated and \$65,709.26 was being added for a net deduction/credit of \$135,402.86.

Bid Package 03 – Blanket Drain 4 revisions - \$493,477.58

The area impacted by this change order includes a pipe conveyance system that was planned to pipe relief well drainage out from underneath a blanket drain (Blanket Drain #4) to a nearby low lying area. During the fall of 2014, while the Corps of Engineers was doing construction in this area, a headwall was uncovered. The headwall was associated with a culvert that conveyed drainage from the adjacent IL-143 highway. This culvert and headwall belong to IDOT, although IDOT did not identify this culvert during earlier coordination and plan reviews. The proposed blanket drain #4 will cover the IDOT headwall and culvert, thereby rendering it inoperable. While the culvert is silted in, and has been for quite some time; IDOT has made it clear that permanently abandoning this drainage culvert will not be allowed. As a result, the project has undergone several design revisions and solutions before arriving at the current plan.

As you may recall, in the fall of 2015, Amec Foster Wheeler discussed the, then-current, plan to clean out an existing IDOT ditch to convey the flow along with other improvements, totaling approximately \$670,000. Amec Foster Wheeler indicated that they were continuing to evaluate this change, and would determine whether there are less expensive alternatives.

This plan involves replacing the existing IDOT culvert under IL-143 in Wood River and re-installing it at a new, higher elevation to allow for better drainage downstream. This involves diverting traffic along the highway and performing a staged and shored excavation immediately adjacent to highway traffic. The cost for this work is broken down in the table below.

Additionally, the original pipe conveyance system must be upsized to carry the additional water that the IDOT culvert will add to the pipe system. The pipe system was increased from 18” to

42” pipe at the downstream end as a result. Furthermore, IDOT is requiring reinforced concrete pipe be used for the conveyance system, since the entire conveyance system is in IDOT right-of-way.

Amec Foster Wheeler investigated several design solutions in this area, and went back to the underseepage improvement itself (the blanket drain) to determine the most cost effective solution in this area. The general location, terrain, and constraints of the IDOT culvert make this area complicated and costly to achieve an acceptable underseepage solution.

Category	Cost
Cost for replacing IDOT culvert under IL-143	\$323,200.13
Cost for revising collection system to convey IDOT drainage	\$170,277.45
Total:	\$493,477.58

There was a brief discussion regarding the outrageous cost to comply with the IDOT requirements and the need going forward to control construction outside the footprint of the levees but within the sphere of influence of the levees.

Bid Package 05 – Clean and Pump Test Relief Well Rehabs- \$14,555.00

As part of the base scope of this bid package, five existing wood stave relief wells were to be rehabilitated by sleeving the existing relief well with a smaller diameter stainless steel screen and riser. However, the original Bid Package 05 scope of work did not include cleaning of creosote-related environmental contaminants in the existing wells in accordance with IEPA regulations and then pump testing (after rehab) to verify successful completion of the rehabilitation process. This proposed work is to perform the cleaning and pump testing of relief wells: RW-8, RW-29, RW-30, RW-57 and RW-76 in MESD.

Category	Cost
Labor	\$4,176
Materials	\$569
Subcontractor	\$9,030
Equipment	\$623
Bond	\$157
Total:	\$14,555

Bid Package 05 – Piezometer PZ P-875L - \$8,623.10

During construction an existing piezometer (PZ-875L) that was proposed to be retrofitted with a new transducer was found to be full of cement and a few feet of dirt. This existing piezometer needs to be abandoned and a new piezometer installed in its place. All costs for this effort are per the original bid tab items 5.22 and 5.23.

Bid Package 06 – Village of East Carondelet Pipeline Repair - \$93,557.94

During construction the Contractor discovered a private 12” PVC drain pipe that ran down the riverside face of the levee. The pipe extends over the levee from a vault to a discharge at the riverside levee toe, and is used to dewater storm drainage from the surrounding property owners in East Carondelet. After writing a Request for Information (RFI), but before a response was issued, the Contractor covered the pipeline in order to complete the clay cap construction during optimal weather conditions. Subsequently, it was discussed what to do with the drain pipe and a change order was approved by the board in September, 2015 in the amount of \$29,950.00 to grout the existing pipe and replace it with a new pipe. Prior to beginning repair work, the Corps of Engineers responded to the Project Change Notice with additional requirements and restrictions regarding the grout procedure and the fill material that is to be placed above the new pipe. The corps has indicated that the new pipe must meet current levee pipeline crossing requirements, although the existing pipe did not. The Contractor prepared a revised cost to comply with the new requirements in the amount of \$123,507.94. The additional cost is a result of the compaction and material associated with placing clay material over the new pipeline (the clay specification was an added Corps requirement). Additionally the grout procedure is more complex with the new requirements, thereby adding cost to fill the existing pipe that was covered up.

Category	Cost
Cleaning of existing pipe, grouting, and install of new pipe	\$44,608.76
Earthwork associated with covering Pipe work (Clay)	\$78,899.18
Sub-Total:	\$123,507.94
Previously Approved Change Order (September 2015):	(\$29,950.00)
Total:	\$93,557.94

Mr. Omvig indicated that these change orders brought all of the current construction contracts basically up to date, and as stated earlier the construction is getting close to the end.

It was asked if contingencies had been budgeted for the change orders that have occurred to date, to which, Mr. Etwert explained that sufficient funds had been budgeted for contingencies to date and for the remainder of the project. In addition, it was indicated that a small amount of the \$1,600,000 funds allocated for hazardous material removal had been utilized.

Mr. Motil ask that the change order requests be broken into two separate motions, the first authorizing the Chief Supervisor to approve requested change orders BP #2B – Replace Damaged Fencing at Site 05 Pump Station in the amount of \$8,700.00; BP #03 – Weir 4 Handrail in the amount of \$18,478.00; BP #03 – Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line in the amount of \$62,525.00; BP #03 – Hawthorne impacted material near Weir 3 in the amount of \$32,185.00; BP #03 – Farm Ditch Revision and Random Fill 1 for a credit of \$135,402.86; BP #05 – Clean and Pump Test Well Rehabs in the amount of \$14,555.00; BP #05 – Piezometer PZ P-875L in the amount of \$8,623.10; and BP #06 – Village

of East Carondelet Pipeline Repair in the amount of \$93,557.94; for a total not to exceed \$103,221.18.

A motion was made by Mr. Long, with a second by Mr. Parks, to authorize the Chief Supervisor to approve requested change orders BP #2B – Replace Damaged Fencing at Site 05 Pump Station in the amount of \$8,700.00; BP #03 – Weir 4 Handrail in the amount of \$18,478.00; BP #03 – Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line in the amount of \$62,525.00; BP #03 – Hawthorne impacted material near Weir 3 in the amount of \$32,185.00; BP #03 – Farm Ditch Revision and Random Fill 1 for a credit of \$135,402.86; BP #05 – Clean and Pump Test Well Rehabs in the amount of \$14,555.00; BP #05 – Piezometer PZ P-875L in the amount of \$8,623.10; and BP #06 – Village of East Carondelet Pipeline Repair in the amount of \$93,557.94; for a total not to exceed \$103,221.18. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Mr. Motil requested a second motion to authorize the Chief Supervisor to approve requested change order BP #03 – Blanket Drain 4 revisions in the amount of \$493,477.58. A motion was made by Mr. Brinkman, with a second by Mr. Hamm, to authorize the Chief Supervisor to approve requested change order BP #03 – Blanket Drain 4 revisions in the amount of \$493,477.58. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Amendment to Amec Foster Wheeler Work Order #14

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

Mr. Etwert explained that last fall, the Corps of Engineers reevaluated the effects of the 100-Year Level protection work in the East St. Louis Levee System and determined that 14,300 lineal feet of deep cutoff wall could be eliminated if the FPD installed reinforced concrete pipe (RCP) instead of high density polyethylene pipe (HDPE) as approved under the 408 review. This would reduce the overall Authorized Level flood protection costs by an estimated \$62,900,000, and estimated FPC costs by \$30,400,000. In addition to the installation of the reinforced concrete pipe, the Corps indicated that additional relief wells would be required to be installed.

The Council has previously approved the replacement of the HDPE pipe with the RCP. The Corps of Engineers has determined that an additional 51 relief wells will be required in this area.

He requested amendment of Amec Foster Wheeler's Work Order #14, Metro East Sanitary District Authorized Level Field Investigation and Design, to include the field exploration of these additional 51 relief wells for \$475,000.00. Amec Foster Wheeler will be responsible for the additional borings, which will utilize a PLA, and be performed in accordance with a Drilling Plan approved by the Corps. The Corps of Engineers has sufficient funds in East St. Louis system to complete the design of the relief wells.

There was a brief discussion regarding the field work to be performed by Amec Foster Wheeler, which will include a PLA, and the design which will be completed by the Corps of Engineers.

Mr. Motil asked for a motion to authorize the Chief Supervisor to execute Amendment #1 of Amec Foster Wheeler's Work Order #14, Metro East Sanitary District Authorized Level Field Investigation and Design, to include the field exploration of an additional 51 relief wells with additional borings, which will utilize a PLA, as shown in the attachment, for a cost not to exceed \$475,000.00.

A motion was made by Mr. Polka with a second by Mr. Bergkoetter to authorize the Chief Supervisor to execute Amendment #1 of Amec Foster Wheeler's Work Order #14, Metro East Sanitary District Authorized Level Field Investigation and Design, to include the field exploration of an additional 51 relief wells with additional borings, which will utilize a PLA, as shown in the attachment, for a cost not to exceed \$475,000.00. Mr. Conrad called the roll and the following votes were made on the motion.

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

Mr. Long – Aye
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – Aye
Mr. Hamm - Aye

The motion was approved.

Renewal of Government Relations Contract with Dorgan-McPike Ltd.

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

Mr. Etwert explained that for the last eight years, the firm of Dorgan-McPike has been providing advocacy services first to the county Flood Prevention Districts, and then to the Flood Prevention District Council for matters before the Illinois General Assembly. The current two-year contract between the Council and Dorgan-McPike concludes on April 20, 2016.

Dorgan-McPike has effectively and successfully represented the Council during this time period. The firm was instrumental in assembling support for the passage of the original enabling legislation that authorized the FPD sales tax and related actions to implement the area's efforts to restore the levee systems. Dorgan McPike also successfully helped secure the passage of legislation allowing the Metro-East Sanitary District to annex areas that are currently protected by the levee system maintained by the District. The firm also helped win support for successful passage of legislation, which addressed the problems caused by the Governor's Executive Order on Floodplain Management.

In 2014, Dorgan-McPike was instrumental in the Council receiving a \$100,000 Illinois Capital Development Grant for the Bid Package 2B project. Last year, they provided assistance in conjunction with the issuance of the 2015 Bonds and the obtainment of an interior drainage approval from the Illinois Department of Natural Resources.

It is anticipated that services over the next two years will continue to involve support for regulatory approvals for the project with Illinois state agencies, as well as amendments to authorizing legislation for area levee districts to modernize and expand their revenue base to provide for additional funds to support adequate maintenance of existing and new facilities.

Mr. Etwert recommended that the Chief Supervisor be authorized to execute a contract with Dorgan-McPike Assoc., Ltd to represent the Council before the Illinois General Assembly and executive branch on matters affecting financing and reconstruction of the levee systems for two years concluding on April 20, 2018 at an annual cost of \$36,000. This is the same rate as the previous six years.

A motion was made by Mr. Long with a second by Mr. Hamm to authorize the Chief Supervisor to execute a contract with Dorgan-McPike Ltd. to represent the Council before the Illinois General Assembly and executive branch on matters affecting financing and reconstruction of the

levee systems for two years concluding on April 20, 2018 at an annual cost of \$36,000. Mr. Conrad called the roll and the following votes were made on the motion.

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

The motion was approved.

Renewal of Federal Government Relations and Advocacy Services with Smith Dawson & Andrews

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

Mr. Etwert explained that Smith Dawson and Andrews (SDA) has provided federal government relations and advocacy services to the Council since May 2013.

Their initial efforts were focused on the reauthorization of the Water Resources Development Act, assisting FPD with the local Illinois Congressional delegation, Senators Durbin & Kirk, Representatives Davis, Bost & Shimkus and the Committee staff of the Authorizing Committees, House Transportation & Infrastructure and the Senate Environment & Public Works Committees, the House and Senate Energy and Water Development Appropriations subcommittees, and national water coalitions.

SDA continues, on the FPD's behalf, to interact with the Congressional delegation Washington based staff on the labor issues with USACE, the execution of provisions related to FPD projects addressing cost share, project crediting, treating the individual levee system projects as a single system entity, the public private partnership pilot program, and monitoring program guidance and implementation of the WRRDA bill.

SDA will continue to work with the FPD to execute a legislative and administrative agenda and continue to maintain good relationships with the delegations Washington staff as well as Committee staff. It will be important to maintain contact and to keep the delegation members and staff apprised of the FPD's progress in addressing the levee upgrade

A summary of services to be provided was included in the agenda package.

Mr. Andrews has been quite helpful keeping us informed and advocating our position to members of our congressional staff on Projects Labor Agreements (PLAs), the WRRDA 2014 provision allowing consolidation of levee projects, and our interest in the Corps' Public-Private Partnership Pilot Program also allowed by WRRDA 2014.

We will continue to have legislative, regulatory, and financial interests at the federal level dealing with the Corps of Engineers and the Federal Emergency Management Agency, as well as new issues as they arise.

Mr. Etwert indicated it would be advantageous to continue the agreement with Smith Dawson & Andrews to provide government relations and advocacy services to the Council at a cost of \$5,000/month thru April 2018. The agreement can be terminated with thirty days' notice. This rate is under the market rate for this type of representation.

A motion was made by Mr. Parks with a second by Mr. Hamm to authorize the Chief Supervisor to execute a contract with Smith Dawson & Andrews to provide federal government relations and advocacy services to the Council from May 1, 2016 thru April 30, 2018 at a cost of \$5,000 a month.

There was a brief discussion regarding the Council's one person staff, and the utilization of consultants.

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

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

The motion was approved unanimously.

Corps of Engineers Update

Mr. Motil asked for the report from the Corps.

Mr. Feldmann indicated that Mr. Etwert had covered everything and that the Corps didn't have anything else to report.

Public Comment

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

Other Business

There was no other business.

Adjournment

At 8:45 a.m. a motion was made by Mr. Bergkoetter, seconded by Mr. Parks 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 March 16, 2016

Southwestern Illinois Levee Systems

By Jay Martin



Construction Status



- ▶ Bid Package 2B – WR/MESD/PdP Pump Stations
 - ▶ The majority of planned construction for this project is complete.
 - ▶ Amec Foster Wheeler preparing close-out documents for USACE.
 - ▶ Pipe Replacement is pending River, Weather, and approved submittals.

- ▶ Bid Package 2C – Site 12 Pump Station Force Mains (MESD)
 - ▶ Contractor is completing punch list items.
 - ▶ As-Built and closeout documentation is currently being compiled.

Construction Status

- ▶ Bid Package 3 – Wood River Seepage Improvements
 - ▶ Design revisions to Blanket Drain 4 and Random Fill 1 are complete. Associated Change Orders are being considered for approval this month.
 - ▶ Lower Wood River Relief well drilling in progress. 80 of 85 relief wells are installed; plan to complete this month.
 - ▶ Seepage Berm fill placement has re-started.
 - ▶ Impacted material at Weir 3. Work will resume soon, sampling complete, management plan developed. Change order on this month's agenda.

Construction Status

- ▶ Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)
 - ▶ Clay Cap approximately 80% complete. Husch-Blackwell working to resolve existing utilities issues with the clay cap.
 - ▶ Pipe Replacement is pending River, Weather, and approved submittals.

- ▶ Bid Package 5 – MESD Seepage Improvements
 - ▶ Pipe Replacement is pending River, Weather, and approved submittals.
 - ▶ Completion of clay cap construction

Construction Status

- ▶ Bid Package 6 – Prairie du Pont / Fish Lake Seepage Improvements
 - ▶ Contractor resumed seepage berm placement; less than 5% remains

- ▶ Bid Package 7B – Wood River Lower (Deep) Cut-off Wall
 - ▶ Panel installation in progress. 77 of 136 panels are complete.
 - ▶ Mississippi River flank complete.

Bid Package 3 – Wood River



Bid Package 3 – Wood River



Bid Package 3 – Wood River



Bid Package 7B – Wood River



Beginning Work
on Wood River
Flank



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 this week.
 - ▶ Submit to FEMA early 2nd Quarter of 2016

- ▶ Wood River East & West Forks
 - ▶ Certification efforts are underway
 - ▶ Re-inspections may need to be done as soon as weather and river permits.

- ▶ Lower Wood River
 - ▶ Deep cut-off wall



FEMA Certification Update

► MESD

- Pending completion of Bid Packages 2B, 4, & 5.
- 10.5' diameter sewer rehabilitation design continues.
- Construction Completion 3rd Quarter 2016

► Prairie du Pont & Fish Lake

- Pending completion of Bid Packages 2B & 6.
- Construction completion pushed to April of 2016.
- Submit to FEMA 2nd Quarter of 2016.



Authorized Level (500-Year) Design

Wood River

- Analysis of Council improvements by USACE ongoing and will modify prior LRR.
- Initial drilling scope completed in February 2016.
- Authorized Level Design is contingent on USACE having adequate funds for review.

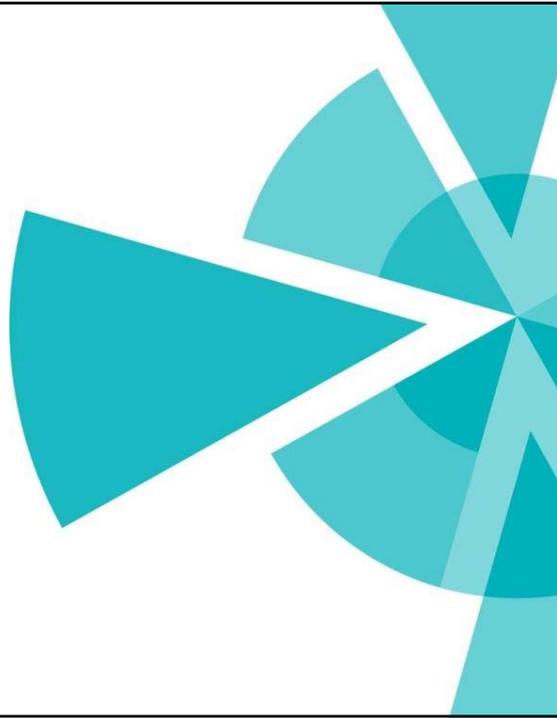
MESD

- Drilling began this week.
- Select access agreements for drilling are ongoing.
- Corps continues to provide boring location as re-evaluation is completed. Currently 51 additional borings have been requested.

PdP/FL

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

Questions?





Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for March 2016
Date: April 18, 2016

Approximately 76% of the \$72.6 million of construction, involved in all nine current construction bid packages, has been completed thru March. The amount of work completed during the month was just over \$4.3 million, which is the largest monthly amount spent to date. The total amount of construction completed is \$55.1 million.

As I reported last month, FEMA has denied the request for the Presidential Declaration regarding the December flooding based on the preliminary damage assessment being just over 16 million which is below the 18 million dollar state required loss. The state has come up with another million in costs and resubmitted on April 8th. FEMA has thirty days to respond.

Amec Foster Wheeler and I continue to meet with the Corps of Engineers regarding, how the limited available federal funds could be utilized in the best interest of the Council.

In East St. Louis and Wood River finalization of which projects Amec Foster Wheeler will design and the Corps will have funds to provide oversight on should be completed this week.

In East St. Louis, we are looking at the BP #11, BP #14, or the Cahokia area where the deep cutoff wall is being replaced with relief wells and a collection system as potential Bid Packages where design could be completed in 2016. In Wood River, we are looking at BP #8 or possibly the deep cutoff wall extension that the Corps will have designed by July.

In Prairie Du Pont and Fish Lake, the Corps has identified Authorized Level projects in areas where there weren't any 100-Year Level projects or where only seepage berms were installed. There re-analysis of these areas should be complete by June 17th. The Corps hopes, with reprogrammed funds, to complete identification of the remaining Authorized Level projects by the end of the year.

We have received the Integral Determination Reports (IDRs) for East St. Louis and Wood River, and should receive the draft amended Project Partnership Agreements (PPAs) in a couple of

weeks. Once the amended PPAs are finalized, the approval process is estimated to take twelve months.

The Corps has informed us that bids for the Wood River Shallow Cutoff Wall utilizing the Best Value tradeoff Approach are due on May 2nd with an award scheduled for June 1st.

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



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

Monthly Project Progress Report April 2016

AMEC FOSTER WHEELER Project No. 563170001
Period Ending Date: April 11, 2016

Date of Issue: April 15, 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 - Piping Change Order	7
3.2.3 Property Acquisition.....	7
3.2.4 Levee Board Considerations	7
3.2.5 Submittals	7
3.2.6 Change Orders	7
3.2.7 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	9
3.4.5 Submittals	9
3.4.6 Change Orders	9
3.4.7 Field Activities and Look Ahead	9
3.4.8 QC/QA Activities	9
3.4.9 Considerations	9
3.4.10 Payment Progress	9
3.5 BID PACKAGE 4.....	10
3.5.1 Calendar	10
3.5.2 Progress	10
3.5.3 Property Acquisition.....	10
3.5.4 Levee Board Considerations	10

3.5.5	Submittals	10
3.5.6	Change Orders	10
3.5.7	Field Activities and Look Ahead	10
3.5.8	QC/QA Activities	10
3.5.9	Considerations	10
3.5.10	Payment Progress	10
3.6	BID PACKAGE 5	11
3.6.1	Calendar	11
3.6.2	Progress	11
3.6.3	Property Acquisition	11
3.6.4	Levee Board Considerations	11
3.6.5	Submittals	11
3.6.6	Change Orders	11
3.6.7	Considerations	11
3.6.8	Payment Progress	11
3.7	BID PACKAGE 6	12
3.7.1	Calendar	12
3.7.2	Progress	12
3.7.3	Property Acquisition	12
3.7.4	Levee Board Considerations	12
3.7.5	Submittals	12
3.7.6	Change Orders	12
3.7.7	Field Activities and Look Ahead	12
3.7.8	QC/QA Activities	12
3.7.9	Considerations	12
3.7.10	Payment Progress	12
3.8	BID PACKAGE 7A	13
3.8.1	Calendar	13
3.8.2	Progress	13
3.8.3	Property Acquisition	13
3.8.4	Levee Board Considerations	13
3.8.5	Submittals	13
3.8.6	Change Orders	13
3.8.7	Field Activities	13
3.8.8	QC/QA Activities	13
3.8.9	Considerations	13
3.8.10	Payment Progress	13
3.9	BID PACKAGE 7B	14
3.9.1	Calendar	14
3.9.2	Progress	14
3.9.3	Property Acquisition	14
3.9.4	Levee Board Considerations	14
3.9.5	Submittals	14
3.9.6	Change Orders	14
3.9.7	Field Activities and Look Ahead	14
3.9.8	QC/QA Activities	14
3.9.9	Considerations	14
3.9.10	Payment Progress	14

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, PMP, 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

- Complete

3.1.3 Property Acquisition

- 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

- Complete

3.1.8 QC/QA Activities

- Complete

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	March 2016
Anticipated completion date	September 30, 2016 (Contract completion date)
Final Walk Through	
Final Acceptance	

3.2.2 Progress - Piping Change Order

- The Contractor has completed the majority of the erosion control repair work for Site 09 and Site 10.
- The high groundwater levels and the Mississippi River elevation have prevented erosion control repair work at Site 16 and concrete pipe work this month.

3.2.3 Property Acquisition

- All property is acquired

3.2.4 Levee Board Considerations

- None

3.2.5 Submittals

- In progress

3.2.6 Change Orders

- See attached log

3.2.7 Field Activities and Look Ahead

- See above

3.2.8 QC/QA Activities

- None

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	April 29, 2016
Final Walk Through	
Final Acceptance	

3.3.2 Progress

- Contractor working on punch list items (silt fence, seed and straw)

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:
 - Clay material quantity adjustment: Review of this Change Order is in progress and will be completed once the Contractor submits the required information.
 - Flood Damage Repairs: The initial estimate was reviewed and rejected; and we have requested the contractor to revise his price.

3.3.7 Field Activities and Look Ahead

- No field activity.

3.3.8 QC/QA Activities

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

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	Upper Wood River is substantially complete. Lower Wood River - September 30, 2016.
Final Walk Through	
Final Acceptance	

3.4.2 Progress

- Contractor placed weir 3 concrete on April 13, 2016.
- Contractor installing seepage berm 4 material as material conditions allows.
- Contractor installing the Old St. Louis Rd. collector system in Hartford.

3.4.3 Property Acquisition

- All property is obtained.

3.4.4 Levee Board Considerations

- None other than previously mentioned.

3.4.5 Submittals

- As required.

3.4.6 Change Orders

- See change order log attached.

3.4.7 Field Activities and Look Ahead

- See above Progress
- Seepage Berm 1 anticipated to begin soon

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	September 30, 2016 (Contract completion date)
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 are installed. The remaining piezometer installation is on hold until the collection pipe and clay cap are complete.
- This month, the Mississippi River elevation has prohibited starting construction associated with the pipe material change order.

3.5.3 Property Acquisition

- All property acquired.

3.5.4 Levee Board Considerations

- None

3.5.5 Submittals

- On-going

3.5.6 Change Orders

- See Change Order Log attached.

3.5.7 Field Activities and Look Ahead

- Pipe replacement will start after submittals are completed and after the river, groundwater, and weather conditions permit.

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 (Contract completion date)
Final Walk Through	
Final Acceptance	

3.6.2 Progress

- MOPAC Gate is complete
- This month, the Mississippi River elevation has prohibited starting construction associated with the pipe material change order.

3.6.3 Property Acquisition

- All property is acquired

3.6.4 Levee Board Considerations

- None.

3.6.5 Submittals

- Complete

3.6.6 Change Orders

- See change order log attached.

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>The Contractor anticipates the completion date to extend into August 2016. Amec Foster Wheeler is in negotiations with the contractor on the Completion Date.</i>
Final Walk Through	
Final Acceptance	

3.7.2 Progress

- Contractor to resume seepage berm placement as river and weather conditions allow.

3.7.3 Property Acquisition

- Some TCEs are being extended due to schedule.

3.7.4 Levee Board Considerations

- The schedule is under review.

3.7.5 Submittals

- On going

3.7.6 Change Orders

- See change order log attached.

3.7.7 Field Activities and Look Ahead

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

3.8.2 Progress

- This project is complete.

3.8.3 Property Acquisition

- Not applicable.

3.8.4 Levee Board Considerations

- None.

3.8.5 Submittals

- Complete

3.8.6 Change Orders

- See change order log attached.

3.8.7 Field Activities

- 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	July 2015
Anticipated completion date	August 2016
Final Walk Through	
Final Acceptance	

3.9.2 Progress

- Clay Cap installation 20% complete.
- Mississippi River flank complete.
- Panel Installation in progress (~ 95% complete) and expected to be complete next week.

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

- Panels along the Wood River Creek are anticipated to be complete 4/25/16.
- Relief Well construction anticipated to begin 4/25/16.
- Clay Cap construction on Wood River Side to begin in late April throughout May.

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: BP2B

Original Contract Amount: \$3,865,405.00
Change Order #1: \$434.00 Monroe County Building Permit
Change Order #2: \$7,965.00 Additional Road Aggregate
Change Order #3: \$0.00 Fence and Aggregate Changes
Change Order #4: \$8,570.00 Razor Wire on Fence per MESD Request
Change Order #5: \$0.00 Contract Time Extension
Change Order #6: \$50,600.00 Site 16 Duct Bank
Change Order #7: \$4,760.00 Site 12 Existing Force Mains
Change Order #8: \$74,200.00 Site 10 Electrical Changes
Change Order #9: \$0.00 Time Extension
Change Order #10: \$10,276.92 Site 12 Guard Rail
Change Order #11: \$1,314,600.00 Pipe Material Change & Erosion Control
Change Order #12: \$8,700.00 Fence Repair Site 5
Total Change Order Amount: \$1,480,105.92
Total Revised Contract Amount: **\$5,345,510.92**

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed and Store to Date	Cumulative Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage(\$)
1	2/5/2014	2/10/2014	\$51,750.00	\$5,175.00	\$46,575.00	\$46,575.00	2/18/2014	\$3,818,830.00
2	3/6/2014	3/13/2014	\$132,450.00	\$13,245.00	\$119,205.00	\$72,630.00	3/25/2014	\$3,746,634.00
3	3/31/2014	4/15/2014	\$504,300.00	\$50,430.00	\$453,870.00	\$334,665.00	4/22/2014	\$3,419,934.00
4	4/30/2014	5/13/2014	\$846,000.00	\$84,600.00	\$761,400.00	\$307,530.00	5/22/2014	\$3,112,404.00
5	5/31/2014	6/12/2014	\$1,295,000.00	\$129,500.00	\$1,165,500.00	\$404,100.00	6/19/2014	\$2,708,304.00
6	6/30/2014	7/14/2014	\$1,736,000.00	\$173,600.00	\$1,562,400.00	\$396,900.00	7/17/2014	\$2,311,404.00
7	7/31/2014	8/11/2014	\$2,180,100.00	\$205,850.00	\$1,974,250.00	\$411,850.00	8/19/2014	\$1,899,554.00
8	8/31/2014	9/8/2014	\$2,927,440.00	\$243,217.00	\$2,684,223.00	\$709,973.00	9/15/2014	\$1,198,151.00
9	9/30/2014	10/9/2014	\$3,144,000.00	\$255,524.00	\$2,888,476.00	\$204,253.00	10/16/2014	\$1,044,498.00
10	10/31/2014	11/7/2014	\$3,420,000.00	\$269,324.00	\$3,150,676.00	\$262,200.00	11/18/2014	\$787,058.00
11	11/30/2014	12/12/2014	\$3,648,600.00	\$282,764.00	\$3,365,836.00	\$215,160.00	12/18/2014	\$646,098.00
12	12/31/2014	1/12/2015	\$3,840,000.00	\$292,334.00	\$3,547,666.00	\$181,830.00	1/26/2015	\$464,268.00
13	1/31/2015	2/9/2015	\$3,897,320.00	\$295,200.00	\$3,602,120.00	\$54,454.00	2/18/2015	\$409,814.00
14	2/28/2015	3/10/2015	\$3,968,238.00	\$298,710.00	\$3,669,528.00	\$67,408.00	3/19/2015	\$342,406.00
15	3/31/2015	4/10/2015	\$4,011,934.00	\$200,596.00	\$3,811,338.00	\$141,810.00	4/16/2015	\$200,596.00
16	4/30/2015	5/12/2015	\$4,011,934.00	\$10,000.00	\$4,001,934.00	\$190,596.00	5/18/2015	\$20,276.92
17	7/31/2015	8/11/2015	\$4,022,210.92	\$10,000.00	\$4,012,210.92	\$10,276.92	8/20/2015	\$1,324,600.00
18	1/31/2016	2/11/2016	\$4,063,110.92	\$12,045.00	\$4,051,065.92	\$38,855.00	2/17/2016	\$1,285,745.00
19	2/29/2016	3/11/2016	\$4,078,810.92	\$12,830.00	\$4,065,980.92	\$14,915.00	3/17/2016	\$1,270,830.00
20	3/31/2016	4/14/2016	\$4,253,410.92	\$21,560.00	\$4,231,850.92	\$165,870.00		\$1,113,660.00

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP2B

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Building Permit	Field	\$434.00	\$0.00	2B.1	\$ 32,720.00	1.33%	0.01%	2/24/2014	Approved	Required by Monroe County
2	Additional Roadway Aggregate	Field	\$7,965.00	\$0.00	2B.3	\$ 171,825.00	4.64%	0.21%	3/18/2014	Approved	Required by Monroe County
3	Site 10, 12, 15 fence and aggregate changes	Field	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/12/2014	Approved	Field changes to enable constructability and provide maintenance ease
4	Razor Wire on Fence	Other	\$0.00	\$8,570.00	NA	NA	NA	0.22%	8/19/2014	Approved	Razor wire on fence at Site 10, 12, & 16 per MESD Levee District request; To be paid by MESD
5	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/19/2014	Approved	Time extension for July 2014 weather/high river days that impeded construction
6*	Site 16 Duct Bank	Field	\$50,600.00	\$0.00	2B.55	\$ 23,990.00	210.92%	1.31%	9/29/2014	Approved	USACE required underground electrical service to pump station per Ameren; Ameren to credit FPD amount paid to Ameren for overhead lines; Board approval required
7	Site 15 Grating and Supports	Field	\$4,760.00	\$0.00		\$ 352,645.00	1.35%	0.12%	10/17/2014	Approved	Grating and support for Site 15 to enable functionality of the system
8*	Site 10 Electric Change	Field	\$74,200.00	\$0.00	2B.27	\$ 17,705.00	419.09%	1.92%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 10. Board approval required
9	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	12/2/2014	Approved	Request for Time Extension to move our completion date to 4/15/15 due to the contract documents for Bid Package 2B contractor is only allowed to work at Site 12 between October 15th to March 15th.
10	Site 12 Guard Rail	Field	\$10,276.92	\$0.00	NA	NA	NA	0.27%	4/17/2015	Approved	Install approximately 74 LF of FRP handrails per the attached drawings for OSHA compliance
11*	Pipe Material Change - Sites 5, 10, 12, 16; Erosion Control Sites 9, 10, 16	Other	\$1,314,600.00	\$0.00	NA	NA	NA	34.01%	12/3/2015	Approved	Pump station sites 5, 10, 12, 16 pipe replacement to meet the Authorized Level flood event design
12*	Fence Repair Site 5	Field	\$8,700.00	\$0.00	NA	NA	NA	0.23%	3/17/2016	Approved	Fence Repair Site 5
	Total of Project Change Orders		\$1,471,535.92	\$8,570.00						Total	\$ 1,480,105.92
	Original Contract Amount	Revised Contract Amount									
	\$3,865,405.00	5,345,510.92									
			% Change from Original Amount 38.29%								

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 Balnknet 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
Change Order 24	\$ 103,824.76 Relief Well Construction Obstructions RW 1069-1073 Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line;
Change Order 25	\$ 113,188.00 Hawthorne impacted material near Weir 3
Change Order 26	\$ (135,402.86) Credit Farm Ditch Revision and Random Fill 1
Change Order 27	\$ 493,474.58 Blanket Drain 4 Revisions
Change Order 28	\$ 125,536.21 Relief Well Construction Obstruction RW 1069-1073
Total Change Order Amount:	\$2,835,707.99
Total Revised Contract Amount:	\$12,918,052.99

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	2/28/2014	4/15/2014	\$249,000.00	\$24,900.00	\$224,100.00	\$224,100.00	4/22/2014	\$9,858,245.00
2	5/31/2014	6/4/2014	\$250,000.00	\$25,000.00	\$225,000.00	\$900.00	6/19/2014	\$9,858,345.00
3	8/31/2014	9/8/2014	\$376,066.83	\$37,606.68	\$338,460.15	\$113,460.15	9/15/2014	\$9,744,884.85
4	9/30/2014	10/3/2014	\$467,927.21	\$46,792.72	\$421,134.49	\$82,674.34	10/16/2014	\$9,678,810.51
5	10/31/2014	11/11/2014	\$710,218.88	\$71,021.89	\$639,196.99	\$218,062.50	11/18/2014	\$9,477,425.86
6	11/30/2014	12/11/2014	\$1,014,409.54	\$101,440.97	\$912,968.57	\$273,771.58	12/18/2014	\$9,539,785.27
7	12/31/2014	1/15/2015	\$1,365,095.95	\$136,509.61	\$1,228,586.34	\$315,617.77	1/26/2015	\$9,224,167.50
8	1/31/2015	2/6/2015	\$1,684,373.38	\$168,437.36	\$1,515,936.02	\$287,349.68	2/18/2015	\$8,930,997.82
9	2/28/2015	3/6/2015	\$2,291,243.38	\$229,124.37	\$2,062,119.01	\$546,182.99	3/19/2015	\$8,384,814.83
10	3/31/2015	4/10/2015	\$2,960,453.69	\$296,045.42	\$2,664,408.27	\$602,289.26	4/16/2015	\$8,340,612.37
11	4/30/2015	5/10/2015	\$3,387,089.05	\$338,708.97	\$3,048,380.08	\$383,971.81	5/18/2015	\$8,494,860.31
12	5/31/2015	6/11/2015	\$4,044,518.10	\$404,451.87	\$3,640,066.23	\$591,686.15	6/16/2015	\$7,903,174.16
13	6/30/2015	7/9/2015	\$4,748,651.45	\$474,865.21	\$4,273,786.24	\$633,720.01	7/14/2015	\$7,269,454.15
14	7/31/2015	8/11/2015	\$4,975,167.70	\$497,516.83	\$4,477,650.87	\$203,864.63	8/20/2015	\$7,065,589.52
15	8/31/2015	9/11/2015	\$5,669,386.46	\$566,938.72	\$5,102,447.74	\$624,796.87	9/16/2015	\$6,476,567.65
16	9/30/2015	10/9/2015	\$6,896,917.07	\$689,691.78	\$6,207,225.29	\$1,104,777.55	10/21/2015	\$5,752,464.99
17	10/16/2015	10/28/2015	\$7,386,596.95	\$738,659.77	\$6,647,937.18	\$440,711.89	11/3/2015	\$5,456,034.51
18	10/31/2015	11/13/2015	\$8,269,013.54	\$413,450.71	\$7,855,562.83	\$1,207,625.65	11/17/2015	\$4,357,029.65
19	11/15/2015	12/4/2015	\$8,346,301.68	\$417,315.12	\$7,928,986.56	\$73,423.73	12/10/2015	\$4,324,224.74
20	11/30/2015	12/28/2015	\$8,778,734.65	\$489,987.55	\$8,288,747.10	\$359,760.54	12/31/2016	\$3,928,685.20
21	12/31/2015	1/11/2016	\$8,888,544.52	\$498,712.65	\$8,389,831.87	\$101,084.77	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	2/17/2016	\$3,723,551.23
23	2/29/2016	3/10/2016	\$9,690,470.24	\$502,088.79	\$9,188,381.45	\$694,500.38	3/17/2016	\$3,132,875.61
24	3/31/2016	4/14/2016	\$10,753,362.39	\$554,699.89	\$10,198,662.50	\$1,010,281.05		\$2,719,390.49

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	IDOT Permit	Other	\$1,000.00	\$0.00	3.01	\$ 498,000.00	0.20%	0.01%	5/21/2014	Approved	IDOT Required Permit
2	Piezometer 39 Relocate	Field	\$16,600.00	\$0.00	3.30	\$ 307,224.00	5.40%	0.16%	9/18/2014	Approved	Post bid design change to enable more effective operability
3	Russell Commons Fence Remove and Replace	Field	\$11,361.00	\$0.00	NA	NA	NA	0.11%	10/2/2014	Approved	Remove and replace fence installed by property owner post bid
4	Additional Hydro Excavating	Field	\$2,245.60	\$0.00	3.39	\$ 1,884,009.24	0.12%	0.02%	10/8/2014	Approved	Due to the relocation of RW's 1077 to 1080; added costs for hydro excavation
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$3,071.25	\$0.00	3.37	\$ 82,812.00	3.71%	0.03%	10/22/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept
6*	RR3 Material for Blanket Drains-pending verifying material	Field	\$278,694.99	\$0.00	3.08-3.14	\$ 2,034,478.00	13.70%	2.76%	11/19/2014	Approved	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval
7*	Indian Creek Rip Rap	Field	\$57,436.00	\$0.00	3.40	\$ 193,713.36	29.65%	0.57%	11/19/2014	Approved	Due to the extreme scour of the banks and creek bed since the time of the original design, in order for the per plan design to be constructed, it is going to require a substantial amount of additional rip rap RR4 to be placed. Board approval required
8	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,820.00)	\$0.00	3.29	\$ 37,896.00	-15.36%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
9*	Hawthorne Changes North & South including Ameren	Other	\$558,086.80	\$0.00	3.02 3.04 3.06 3.07 3.29 3.32	\$ 1,884,009.24	29.62%	5.54%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
10*	Blanket Drain 2 Revisions & RW 1077 to 1080 Changes	Other	\$477,917.72	\$0.00	3.02 3.09 3.09 3.16 3.23 3.25 3.26 3.29 3.36 3.37			4.74%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15; change order pending credit before processing
11	Blanket Drain 1 Revisions	Other	\$ (59.97)	\$0.00	3.08	\$ 15,160.00	-0.40%	0.00%	2/26/2015	Approved	Revised limits of Blanket Drain 1 and change surface aggregate material
12*	Toe Wall and Handrails Wiers 2, 3, and 4	Field	\$ 60,362.00	\$0.00	3.48 3.49 3.50	\$ 381,000.00	15.84%	0.60%	4/15/2015	Approved	Toe wall for additional structural support due to the field conditions and soil types the weirs are being installed in. The toe walls were added to mitigate this potential failure. Handrails were added to the weirs as a result of OSHA regulations and for added maintenance personnel safety during inspections and flood events.
13*	Additional Pollution Coverage UPRR	Other	\$ 6,825.00	\$0.00	3.01	\$ 498,000.00	1.37%	0.07%	8/19/2015	Approved	Additional Pollution Coverage required by Union Pacific Railroad
14*	Pilot Hole Drilling	Other	\$ 28,950.00	\$0.00	3.32	\$ 147,604.20	19.61%	0.29%	8/19/2015	Approved	Actual field conditions may vary and it is recommended by the project geotechnical lead to add to this number for potential field variations. Therefore the anticipated pilot hole increase is for an additional 300 feet. Board approval required
15*	Hawthorne Pipe Changes	Field	\$ (9,729.58)	\$0.00	3.18 3.20 3.23 3.25 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

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
17*	Relief Well Construction Obstruction	Other	\$257,694.47	\$0.00	3.38	\$ 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	\$ 3,507,071.90	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	\$ 3,507,071.90	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	\$ 3,507,073.90	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	\$ 506,016.00	-7.07%	-0.35%	12/16/2015	Approved	Credit for deletion of duplicate piezometers
24	Relief Well Construction Obstruction RW 1069-1073	Other	\$ 103,824.76	\$0.00	3.38	\$ 3,507,073.90	2.96%	1.03%	3/4/2016	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 1/20/16 Board approved budget
25*	Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line; Hawthorne impacted material near Weir 3	Field	\$ 113,188.00	\$0.00	NA	NA	NA	1.12%	3/16/2016	Approved	Weir 4 Handrail; Wagon Wheel Bore Shoring, Excavation, and Removal of Abandoned Line; Hawthorne impacted material near Weir 3
26*	Farm Ditch Revision and Random Fill 1	Field	\$ (135,402.86)	\$0.00	3.33	\$ 433,434.89	-31.24%	-1.34%	3/16/2016	Approved	Farm Ditch Revision and Random Fill 1
27*	Blanket Drain 4 revisions	Other	\$ 493,474.58	\$0.00	3.44	\$ 350,747.77	140.69%	4.89%	3/16/2016	Approved	Blanket Drain 4 revisions
28	Relief Well Construction Obstruction RW 1069-1073	Field	\$ 125,536.21	\$0.00	3.38	\$ 3,507,073.90	3.58%	1.25%	3/31/2016	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 1/20/16 Board approved budget
Total of Project Change Orders			\$2,835,707.99	\$0.00						Total	\$ 2,835,707.99

Original Contract Amount \$10,082,345.00

Revised Contract Amount 12,918,052.99

% Change from Original Amount 28.13%

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

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP05

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
15	RW Construction Obstruction	Field	\$83,011.64	\$0.00	5.27 5.28	\$ 3,204,234.48	2.59%	1.01%	5/15/2015	Within approved budget	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board appro
16	PZ 875L Alignment Test and Repair	Field	\$3,622.38	\$0.00	NA	NA	NA	0.04%	7/7/2015	Approved	Alignment test and repairs
17	HDPE to RCP Pipe Change-Early Draw	Other	\$90,000.00	\$0.00	NA	NA	NA	1.09%	10/16/2015	Approved	HDPE to RCP Pipe Change; Early draw to order materials
18*	Pipe Material Change	Other	\$5,158,639.93	\$0.00	NA	NA	NA	62.48%	12/16/2015	Approved	HDPE to RCP Pipe Change
19*	Flood Event Emergency Pumping at Pump Stations Site 5 & 10	Other	\$310,153.93	\$0.00	NA	NA	NA	3.76%	1/20/2016	Approved	Flood Event Emergency Pumping at Pump Stations Site 5 & 10
20*	RW Rehab Clean & Test; PZ 875 L	Other	\$23,178.10	\$0.00	5.22 5.23 NA	\$ 181,620.00	0.28%	0.16%	3/18/2016	Approved	RW Rehab Clean & Test; PZ 875 L
21	Credit change Mopac Sluice Gate	Other	-\$17,715.53	\$0.00	5.30 5.32	\$ 157,587.00	-11.24%	-0.21%	3/31/2016		Credit change Mopac Sluice Gate

Total of Project Change Orders \$6,027,863.51 \$19,698.78
 Original Contract Amount Revised Contract Amount
 \$8,256,481.84 14,304,044.13
 % Change from Original Amount 73.25%

\$6,047,562.29

*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
Change Order #27: \$93,557.94 Pipeline Repair & Time Extension
Total Change Order Amount: **\$2,323,175.83**
Total Revised Contract Amount: **\$15,180,303.58**

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

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 (\$)
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
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	2/17/2016	\$1,074,797.64
28	3/31/2016	4/14/2016	\$14,734,532.27	\$420,767.79	\$14,313,764.48	\$301,816.49		\$866,539.10

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP06

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Spiral Wound (Slip-Lining)	Spec	\$0.00	\$0.00	6.20	\$ 1,629,000.00	0.00%	0.00%	2/27/2014	Approved	Specification change to coordinate and be consistent with material and methods used by Corps of Engineers
2	Bronze Survey Markers	Spec	\$1,870.00	\$0.00	6.40	\$ 1,039,884.00	0.18%	0.01%	3/18/2014	Approved	Specification change to make consistent with other bid packages. Comments back from Corps of Engineers on other bid packages but was missed on this bid package.
3	Red Flint Filter Pack	Spec	\$132,809.60	\$0.00	6.39 6.40	\$ 1,806,432.00	7.35%	1.03%	6/20/2014	Approved	Specification change as required by the Corp of Engineers. The change order cost of \$132,809.60 is based on original bid quantities and may increase based on final relief well design. If final quantities result in increase of 10% above original line item, Board approval required
4	Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"	Spec	\$12,040.40	\$0.00	NA	NA	NA	0.09%	7/17/2014	Approved	Specification change to make consistent with other bid packages.
5*	SaniTite pipe upgrade and air testing on 30"-42" pipe	Spec	\$29,566.29	\$0.00	6.25 6.26 6.27	\$ 149,797.00	19.74%	0.23%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
6	Vacuum testing manholes	Spec	\$26,950.00	\$0.00	NA	NA	NA	0.21%	7/17/2014	Approved	Specification change to make consistent with other bid packages. Board approval required
7*	Additional Pilot Hole Drilling & Additional Pilot Hole Sampling	Design	\$205,863.75	\$0.00	6.38	\$ 251,775.00	81.76%	1.60%	7/17/2014	Approved	Design change to accommodate actually quantities. Bid quantities were very preliminary since no pilot holes were drilled at the time and Amec had not received the USACE design template for relief wells. Board approval required
8*	Raise to Grade Piezometer	Field	\$4,210.00	\$0.00	6.45	\$ 21,050.00	20.00%	0.03%	7/17/2014	Approved	PZ 689L to be raised to grade to accommodate field conditions. Board approval required
9	Modify Piezometer	Field	\$9,504.00	\$0.00	6.43	\$ 132,960.00	7.15%	0.07%	7/18/2014	Approved	Modify piezometers seal to provide additional concrete
10	Surface Aggregate	Design	\$18,339.63	\$0.00	NA	NA	NA	0.14%	8/25/2014	Approved	12 inch Aggregate Surface Course, Type A" item for driveways and field access roads. This was not included in the original proposal and was added per detail on sheet CC-C513 and various plan sheets showing the locations.
11*	Relief Well Quantity Change	Design	\$1,282,932.15	\$0.00	6.39 6.40	\$ 1,806,432.00	71.02%	9.98%	9/12/2014	Approved	Additional quantities required due to deeper pilot holes required to achieve necessary penetration. Board approval required.
12*	Additional 50VF of Pilot Hole Drilling; Decrease RW Add Riser 1 EA; Add RW Abandonment 1 EA; PZ 679R Convert to Below Grade Piezometer; T&M 2 Clay Cap Undercut	Field	\$37,935.66	\$0.00	6.09 6.38 6.42 6.46 6.32	\$ 575,290.00	6.59%	0.30%	10/10/2014	Approved	See change order summary presented to Board for review and approval in the October 15, 2014 Board Meeting
13*	Hydraulic structure painting of the 84" bulkhead; T&M 3 Clay Cap Undercut; Modify PZ Raise to Grade to PZ Raise to Grade Special	Field	\$43,664.49	\$0.00				0.34%	11/19/2014	Approved	Board approval required
14*	RW Construction Obstruction	Field	\$177,854.69	\$0.00	6.39 6.40	\$ 1,806,432.00	9.85%	1.38%	1/21/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. Board approval required.
15	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract Time Extension to September 30, 2015

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP06

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
16*	Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole – 48 inch deleted JN-70 C; HDPE pipe 12 inch deleted P-S516 for 70C.	Field	\$10,004.04	\$0.00	6.39 6.40	\$ 1,806,432.00	0.55%	0.08%	2/12/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
17	Credit-Remove Vacuum Testing of Manholes		\$ (10,106.25)	\$0.00	NA	NA	NA	-0.08%	3/4/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
18*	60 Slot Relief Well Redesign	Field	\$63,230.97	\$0.00	6.40	\$ 1,039,884.00	6.08%	0.49%	3/18/2015	Approved	60-slot RW re-design to 40-slot; Board approval required
19	RW Construction Obstruction	Field	\$20,923.32	\$0.00	6.39 6.40	\$ 1,806,432.00	1.16%	0.16%	5/8/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
20*	Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ	Field	\$17,910.08	\$0.00	6.04 6.43 6.44	\$ 554,700.00	3.23%	0.14%	5/15/2015	Approved	Changes proposed to accommodate field conditions. Board approval required.
21	RW Construction Obstruction	Field	\$4,562.64	\$0.00	6.39 6.40	\$ 1,806,432.00	0.25%	0.04%	5/29/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
22*	RCP at Pulcher's Driveway Increase in Relief Well Quantities	Field	\$83,071.89	\$0.00	6.39 6.40	\$ 1,806,432.00	4.60%	0.65%	6/17/2015	Approved	RCP at Pulcher's Driveway Increase in Relief Well Quantities Board approval required
23*	Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L	Field	\$38,213.76	\$0.00	NA	NA	NA	0.30%	7/15/2015	Approved	Emergency T&M Work - Flood Event June 2015; Modifications to PDP/FL Piezometers 204L, 537L, and 679L
24*	Collection Pipe P 145X	Field	\$14,496.25	\$0.00	NA	NA	NA	0.11%	8/19/2015	Approved	Extra work to accommodate field conditions related to Collection Pipe P 145X; Board approval required
25	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Substantial Completion by December 31, 2015(excludes permanent seeding); Final Completion April 14, 2016
26	Right of Way Monuments Resetting @ stations 338+00 and 533+00	Field	\$3,770.53	\$0.00	NA	NA	NA	0.03%	12/16/2015	Approved	Right of Way Monuments Resetting @ stations 338+00 and 533+00
27*	Contract Time Extension			\$0.00	NA	NA	NA	0.00%	3/18/2016	Pending	Village of East Carondelet Pipeline Repair; approved in March Board meeting
28*	Pipeline Repair		\$93,557.94							Approved	
			Total of Project Change Orders	\$2,323,175.83	\$0.00						
			Original Contract Amount	\$12,857,127.75	% Change from Original Amount						
			\$15,180,303.58	18.07%							
			*Board approval required								
										Total	\$ 2,323,175.83

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
2	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	NA	3/2/2016	In negotiation	29 additional calendar days to be added to Contract time due to December 2015 flood.
3*	Cement Bentonite Slurry Trench Cutoff Wall (Rock) Overage; Slurry Wall Panel (Verification) Coring Overage	Field	\$150,900.00	\$0.00	12 17	\$ 323,000.00	46.72%	1.08%	3/24/2016	Pending	Cement Bentonite Slurry Trench Cutoff Wall (Rock) Overage; Slurry Wall Panel (Verification) Coring Overage; Board approval required
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 Ewert
Subject: Budget and Disbursement Report for March 2016
Date: April 18, 2016

Current Budget Highlights

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

Accrued expenditures for the current fiscal year beginning on October 1, 2015 are \$21,618,437 while revenues amounted to \$6,092,971 resulting in a deficit of \$15,525,466. 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 January 2016 (the latest month reported by the Illinois Department of Revenue) were down 1.67% from last year which was our highest January. Receipts this year were \$13,706 lower.

Monthly Disbursements

Attached is the list of bank transactions for March 2016. Total disbursements for the month were \$5,701,950.45. The largest payments were to Corps of Engineers for Cost-Share to continue Design Deficiency Project Activities, TREVIICOS South for BP #7B, Keller Construction for BP #3 and BP #5, Amec Foster Wheeler, and Husch Blackwell.

Recommendation:

Accept the budget report and disbursements for March 2016



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

SIX MONTHS ENDING MARCH 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 six months ended March 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
April 11, 2016

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
SIX MONTHS ENDED MARCH 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	\$ 5,945,389	\$ 5,554,611
Interest Income	75,000	75,000	147,577	(72,577)
Other Contributions	-	-	5	(5)
Total Revenues	<u>11,575,000</u>	<u>11,575,000</u>	<u>6,092,971</u>	<u>5,482,029</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	13,939,900	14,933,787	2,042,380	12,891,407
Construction	26,597,316	44,674,432	12,147,158	32,527,274
Construction and design by US ACE	2,739,245	2,739,245	2,439,618	299,627
Total Design and Construction	<u>43,276,461</u>	<u>62,347,464</u>	<u>16,629,156</u>	<u>45,718,308</u>
Professional Services				
Legal & Legislative Consulting	391,000	391,000	286,284	104,716
Diversity Program Manager	25,130	25,130	16,155	8,975
Financial Advisor	83,200	83,200	87,982	(4,782)
Bond Underwriter/Conduit Issuer	10,000	10,000	2,244	7,756
Total Professional Services	<u>509,330</u>	<u>509,330</u>	<u>392,665</u>	<u>116,665</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)	(424,125)	(419,575)
Total Debt Service	<u>6,259,389</u>	<u>6,259,389</u>	<u>3,223,766</u>	<u>3,035,623</u>
Total Operating Expenses	<u>54,045,180</u>	<u>73,116,183</u>	<u>21,503,072</u>	<u>51,613,111</u>
General and Administrative Costs				
Salaries, Benefits	196,500	196,500	92,287	104,213
Bank Service Charges	1,500	1,500	677	823
Conference Registration	350	350	307	43
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	29,000	29,000	14,592	14,408
Audit Services	15,000	15,000	608	14,392
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	181	219
Printing/Photocopies	2,500	2,500	1,870	630
Professional Services	10,000	10,000	257	9,743
Publications/Subscriptions	250	250	112	138
Supplies	3,000	3,000	1,484	1,516
Telecommunications/Internet	3,000	3,000	1,649	1,351
Travel	5,000	5,000	399	4,601
Insurance	1,000	1,000	942	58
Total General & Administrative Costs	<u>270,500</u>	<u>270,500</u>	<u>115,365</u>	<u>155,135</u>
Total Expenditures	<u>54,315,680</u>	<u>73,386,683</u>	<u>21,618,437</u>	<u>51,768,246</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(42,740,680)	(61,811,683)	(15,525,466)	46,286,217
OTHER FINANCING SOURCES				
Proceeds From Borrowing	65,000,000	77,545,236	83,835,000	6,289,764
NET CHANGE IN FUND BALANCE	<u>\$ 22,259,320</u>	<u>\$ 15,733,553</u>	<u>\$ 68,309,534</u>	<u>\$ 52,575,981</u>

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

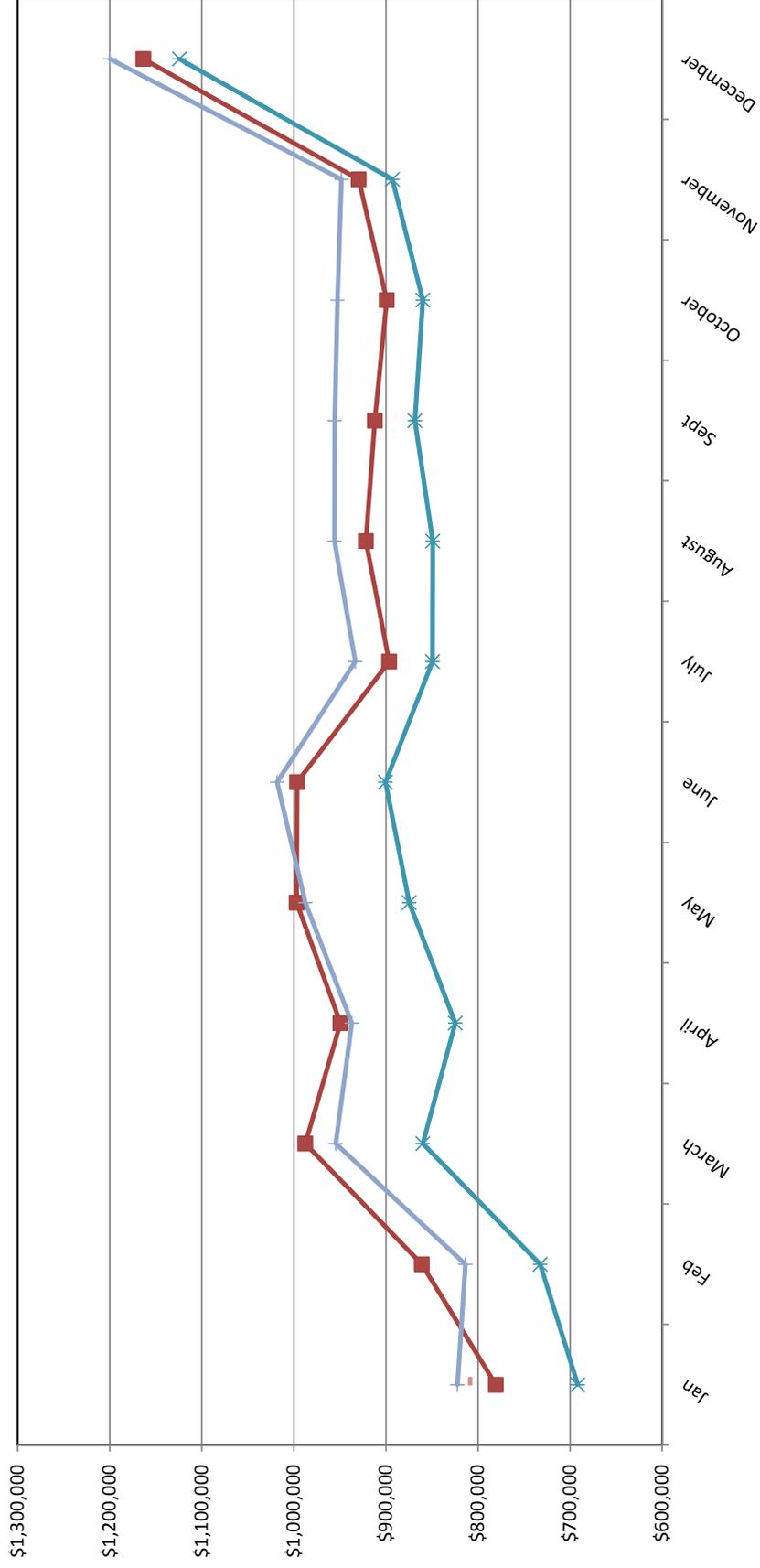
	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 5,845,230	\$ 5,349,770
Interest Income	60,000	60,000	73,066	(13,066)
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>5,918,296</u>	<u>5,336,704</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	1,235,885	6,895,165
Construction	45,791,362	45,791,362	15,425,485	30,365,877
Construction and design by US ACE	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>16,661,370</u>	<u>37,261,042</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	130,324	85,676
Diversity Program Manager	64,140	64,140	39,250	24,890
Financial Advisor	120,000	120,000	4,106	115,894
Bond Underwriter/Conduit Issuer	-	-	6,705	(6,705)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>180,385</u>	<u>219,755</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	977,515	904,965
Monroe County	197,080	197,080	102,338	94,742
St. Clair County	1,920,440	1,920,440	997,226	923,214
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>2,077,079</u>	<u>1,922,921</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)	(421,850)	(422,760)
Total Debt Service	<u>6,256,629</u>	<u>6,256,629</u>	<u>1,826,270</u>	<u>4,430,359</u>
Total Operating Expenses	<u>64,579,181</u>	<u>64,579,181</u>	<u>20,745,104</u>	<u>43,834,077</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	94,670	111,330
Bank Service Charges	1,500	1,500	713	787
Conference Registration	500	500	311	189
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	26,500	26,500	14,600	11,900
Audit Services	15,000	15,000	-	15,000
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	147	253
Printing/Photocopies	2,500	2,500	1,250	1,250
Professional Services	20,000	20,000	192	19,808
Publications/Subscriptions	250	250	111	139
Supplies	1,500	1,500	1,088	412
Telecommunications/Internet	2,500	2,500	1,472	1,028
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>115,687</u>	<u>172,463</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>20,860,791</u>	<u>44,006,540</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(14,942,495)	38,669,836
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (14,942,495)</u>	<u>\$ 38,669,836</u>

Flood Prevention District Sales Tax Trends 2009-2016

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	587,067	\$5,312,924	48.094%
Monroe	\$36,770	\$34,324	\$39,884	\$43,769	\$44,358	\$43,102	\$46,499	\$41,816	\$42,207	\$42,746	\$45,411	\$51,004	\$511,890	4.634%
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Cumulative Total	\$757,374	\$1,565,594	\$2,526,362	\$3,472,576	\$4,396,888	\$5,350,597	\$6,245,872	\$7,144,453	\$8,031,086	\$8,933,623	\$9,879,865	\$11,047,005		
% 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 2009-2016

Monthly Receipts 2009-2012-2015-2016



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

Beginning Bank Balance March 1, **\$ 713,463.29**
Receipts

UMB	03/17/2016 Funds transfer/ Construction	3,209,675.10
UMB	03/17/2016 Funds transfer/ Construction	2,451,238.00
UMB	03/17/2016 Funds transfer/Admin	41,225.05
IRS Treasury	03/22/2016 Federal Interest Rebate	320,358.48
IRS Treasury	03/22/2016 Federal Interest Rebate	103,766.66
The Bank of Edwardsville	03/31/2016 March Interest	459.24

\$ 6,126,722.53

Disbursements

Juneau Associates	03/02/2016 Design & Construction	829.46
AT&T	03/02/2016 Telephone	32.94
Smith Dawson & Andrews	03/02/2016 Government Relations	5,000.00
Ameren Illinois	03/04/2016 Construction	5,125.50
CliftonLarsonAllen LLP	03/04/2016 Fiscal Agent	2,792.50
Sprague & Urban, Attorneys at Law	03/04/2016 Legal & Legislative	1,350.00
Amec Foster Wheeler Environment & Infracore	03/10/2016 Design & Construction	312,894.87
Phillip L. Johnson	03/10/2016 Easements	10,800.00
East-West Gateway Council of Governments	03/11/2016 Supervisor Management Services	32,517.73
Microsoft Office	03/11/2016 Subscription	0.99
At & T	03/11/2016 Telephone	42.92
ABNA	03/14/2016 Design & Construction	1,421.50
Columbia Capital	03/14/2016 Financial Advisor	1,500.00
Dorgan, McPike & Assoc, LTD	03/14/2016 Legal & Legislative	3,000.00
Husch Blackwell	03/14/2016 Legal & Legislative	111,112.02
Cost Less Copy Center	03/16/2016 Board Member Materials	292.00
Eugene Pulcher Trust	03/16/2016 Easements	4,950.00
Lahuko Farms- c/o Alfon W. Larson	03/16/2016 Easements	1,500.00
Mary Pulcher Trust	03/16/2016 Easements	4,950.00
Eugene Pulcher Trust	03/16/2016 Easements	110.00
Mary Pulcher Trust	03/16/2016 Easements	110.00
Charles Etwert	03/16/2016 Travel & Telephone	643.80
FAO, USAED, St. Louis(B3)	03/16/2016 Levee Construction	964,299.00
FAO, USAED, St. Louis(B3)	03/16/2016 Levee Construction	1,475,319.00
Endica	03/17/2016 Postage	50.00
The Bank of Edwardsville	03/17/2016 Wire Fee	15.00
The Bank of Edwardsville	03/17/2016 Wire Fee	15.00
The Bank of Edwardsville	03/17/2016 Wire Fee	15.00
The Bank of Edwardsville	03/17/2016 Wire Fee	15.00
The Bank of Edwardsville	03/17/2016 Wire Fee	10.00
The Bank of Edwardsville	03/17/2016 Wire Fee	10.00
The Bank of Edwardsville	03/17/2016 Wire Fee	10.00
Keller Construcion Inc	03/17/2016 Construction	9,318.96
Keller Construcion Inc	03/17/2016 Construction	694,500.38
Korte & Luitjohan Contractors Inc	03/17/2016 Construction	14,915.00
TREVIICOS South	03/17/2016 Construction	2,042,417.41
Amazon	03/22/2016 Supplies	17.14
Office Depot	03/28/2016 Supplies	28.29
The Bank of Edwardsville	03/31/2016 Bank Service fees	19.04

\$ 5,701,950.45

\$ 1,138,235.37



Memo to: Board of Directors

From: Chuck Etwert

Subject: ABNA Engineering, Inc. Work Order No. 3 for
Quality Assurance Testing for BP #2B, BP #4, & BP #5
Pipe Material Change

Date: April 18, 2016

In September 2015, the Board approved change orders for BP #2B, BP #4, and BP #5 pipe material change. The proposed additional work is for the Quality Assurance required for the BP #2B, BP #4 and BP #5 pipe material change order work to be performed by ABNA.

ABNA has supplied the three attached proposals for additional Quality Assurance Testing on the BP #2B, BP #4 and BP #5 pipe material change order work. ABNA based the request on the contractor's proposed schedule, additions to the scope of work testing and additional effort to support the contractor's schedule. This is a not-to-exceed proposal.

ABNA's estimate is:

BP 2B \$18,000.00
BP04 - \$19,892.50
BP05 - \$30,451.00
Sum = \$68,343.50

AMEC Foster Wheeler recommends using ABNA Engineering, Inc. for Quality Assurance Testing for the pipe material replacement in Bid Packages #2B, #4, and #5.

Recommendation: Authorize the Chief Supervisor to execute Work Order No. 3 with ABNA Engineering, Inc. for Quality Assurance Testing Services for BP #2B, BP #4, and BP #5 at an additional cost not to exceed \$68,343.50.



4140 Lindell Blvd.
St. Louis, MO 63108
Phone: (314) 454-0222
Fax: (314) 454-1235
www.abnacorp.com

327 Missouri Ave. Ste 625
East St. Louis, IL 62201
Phone: (618) 875-5951
Fax: (618) 875-8405

March 21, 2016

Mr. Charles Etwert
Southwestern Illinois Flood Prevention District Council
104 United Drive
Collinsville, Illinois 62234

RE: Proposal for Quality Assurance Inspection, Materials Sampling, and Testing Services Southwestern Illinois Flood Protection District Bid Package 2B Pipe Material Change QA Testing **rev 3**

Dear Mr. Etwert:

Thank you for the opportunity to propose on this project. The attached "Materials Testing Quality Assurance / Laboratory Testing Services Proposal and Statement of Qualifications" for ABNA Engineering, Inc. is submitted as a brief overview of our company service fees and proposal to provide services on this project. ABNA is an engineering company specializing in Construction Management, Planning, Design, Surveying, **Materials Testing/ Inspection and Laboratory Testing**. Our **Material Inspectors are MoDOT and IDOT Certified and OSHA 10 hour Construction Safety Trained** and our Construction Management includes conducting concrete and pervious concrete testing in accordance with the American Concrete Institute standards, and with the National Ready Mix Concrete Association standards, monitoring batch plant operations, controlling the bituminous concrete compaction process by testing the mix density at random locations, identifying suitable and unsuitable soils for use in constructed fills, controlling the quality of engineered fills through observation and compaction testing, inspecting structural steel, and quality control inspection of contractor painting activities. Our laboratory holds a current accreditation from the **American Association of State Highway and Transportation Officials (AASHTO)** for testing soils, aggregate, concrete, and asphalt, **IDOT Approved Portland Cement Concrete/Aggregate Quality Assurance Laboratory**, and is **validated by the Corps of Engineers** to conduct materials tests.

Should this project require minority participation, please note that ABNA Engineering is a **DBE, MBE and WBE** certified with the City of St. Louis, **Lambert-St. Louis International Airport**, Bi-State Development Agency and **MoDOT**, as well as other local and state entities.

Abe Adewale, PE will serve as the principal-in-charge and Ray Bailey, PE, RG will be our Project Manager and can be reached at our office at 314-454-0222 ext. 1120 or by cell phone at 314-220-2378.

*Based on Document No. 563170001-ADM-RFP-0037 Rev 0, Project No. 563170001.008.0012 as modified by Email dated March 2, 2016 subject: SWILCD BP 2, 4 AND 5 Quality Assurance and ABNA for BP 2B, BP 4 and BP 5, as further modified by Email dated March 16, 2016 subject SWILCD BP 2B Change Order and the attached proposed scope of work, our estimated **not to exceed fee** for this project is **\$18,000.00**. The fee for work above the quantities listed in the attached scope of work (Attachment A) will be based on the actual quantities and upon the unit price basis in accordance with the attached Schedule of Services and Fees (Attachment B).*

Your consideration of ABNA Engineering, Inc. to provide quality control, material testing/inspection and laboratory testing for this project is greatly appreciated. If additional information is required, please do not hesitate to call us.

Sincerely,

Abe Adewale, PE
Principal



“ATTACHMENT A”
SCOPE OF CONSULTANT SERVICES FOR
MATERIAL TESTING/INSPECTION, QUALITY ASSURANCE, AND LABORATORY
TESTING FOR
Southwestern Illinois Flood Protection District Bid Package 2B QA Testing

1.0 Earthwork / Backfill

Inspection of the sub-grade preparation will include documenting removal of unsuitable material, inspecting and testing each placed lift. Lift materials will be classified and up to fifteen (15) proctor tests conducted. Lift materials will be tested for compacted density using a nuclear moisture density gauge (up to fifteen visits) and evaluated against the proctor test results to ensure the placed lift compaction achieves the specified requirements. The engineering technician will also obtain and perform up to five (5) sand cone tests (tests will be conducted during one of the scheduled soil compaction site visits). The engineering technician will make up to five (5) site visits to make up to 5 sets (6 test specimens per set) of flowable fill and make up to 5 additional site visits to pick up the test specimens and return them to ABNA’s lab for testing. The engineering technician will prepare a report that states whether the tested work complies with the specifications. **Inspections and testing include up to 95 hours of on-site work, sampling for up to fifteen proctors, performing up to 5 sand cone tests, and making up to 5 sets of flowable fill compression test specimens at an estimated not to exceed price of \$18,000.00.**

“ATTACHMENT B”

**2016 Schedule of Fees for Material Quality Control, Testing,
 Inspection, and Laboratory Testing Services**

CATEGORY/ITEM	UNIT	UNIT COST
Engineering Services		
<i>Engineering technician to perform (night work):</i> Subgrade observations In-place density tests on compacted fill material Field test of concrete and casting of sample specimens In-place density tests of Bituminous Concrete Concrete batch plant observations Sample collection and transportation to lab Asphalt plant visual inspections and sampling	Per Hour	\$ 66.00
Nuclear Density/Moisture Equipment	Per Day	\$ 27.50
Transportation Charge to Plant and Project Site	Per Mile	\$ 0.70
Project Engineer / Project Manager / MoDOT Outsource Inspector / Quality Engineer	Per Hour	\$110.00
Quality Construction Engineer / SWPPP Inspector	Per Hour	\$ 82.00
Senior Field Technician	Per Hour	\$ 71.50
Field Technician Supervisor	Per Hour	\$ 88.00
Engineering review for reports involving engineered fills, foundation observation, subgrade eval., land disturbance inspections. And other non-standard reports	Per Hour	\$110.00
Coring Machine Operator	Per Hour	\$ 71.50
Core Equipment Service Charge	Per Day	\$ 93.50
Core Barrel Charge		
Asphalt Core (8 inch max. thickness)		\$ 38.50
Concrete Core (8 inch max. thickness)		\$ 44.00
Quality Control Manager	Per Hour	\$110.00
Structural Engineer	Per Hour	\$198.00

Laboratory Testing Services	UNIT	UNIT COST
Laboratory compression testing of concrete cylinders in accordance with ASTM Procedures.		
Testing and reporting	Each	\$ 27.50
Reserves not tested, including curing	Each	\$ 22.00
Trimming of irregular client cast cylinders to meet ASTM requirements (only if required)	Each	\$ 33.00
Concrete Length Change Monitoring and Reporting	Set of 3	\$413.00
Flexural Beams	Each	\$ 46.30
Splitting Tensile Strength of Concrete	Each	\$ 66.00
Absorption of Hardened Concrete (Immersion only)	Each	\$ 82.50
Absorption of Hardened Concrete (Immersion & Boiling)	Each	\$110.00
Grout Prism Compressive Strength	Each	\$ 33.00
Mortar Cube Compressive Strength	Each	\$ 28.50
<i>Moisture density relationship:</i>		
ASTM D698 (Standard)	Each	\$198.00
ASTM D1557 (Modified)	Each	\$226.00
ASTM D4253 and D4254 (Relative) density	Each	\$185.00
ASTM D4318 Atterberg limits determination	Each	\$ 93.70
Laboratory Density Determination Testing Using the Sand Cone Method	Per Sand Cone	\$ 60.50
Pocket Penetrometer	Per Day	\$21.00
Static Cone Penetrometer	Per Day	\$42.00
Dynamic Cone Penetrometer	Per Test	\$15.75
GPS - Locator	Per Day	\$22.00
<i>ASTM D5084 Perm Test – Flexible Wall</i>	Each	\$385.80
<i>-Perm Test – Additional Charge for Tests extending beyond 7 Calendar Days (including saturation time)</i>	Per Day	\$ 49.50

<i>Sieve Analysis:</i>		
Unwashed	Each	\$159.80
Washed	Each	\$187.40
Specific Gravity / Absorption of Fine Aggregate	Each	\$ 71.60
Specific Gravity / Absorption of Course Aggregate	Each	\$ 66.00
Organic Impurities Determination of Fine Aggregate	Each	\$ 66.00
Bulk Density ("Unit Weight") of Aggregate	Each	\$ 55.00
Moisture Determination of Aggregate	Each	\$ 11.00
<i>Floor Flatness and Levelness :</i>		
Including report	Up to 5,000 ft ²	\$440.00
Each additional 1,000 ft ²	Each	\$121.00
For testing after 5:00 p.m. and before 7:00 a.m.	Each	\$143.30
ASTM F1869 Moisture Vapor Emission Rate	Each	\$ 66.00
<i>Asphaltic concrete:</i>		
Extraction and gradation	Each	\$231.50
Marshall Density (set of 3)	Per Set	\$226.00
Bulk specific gravity of asphalt cores	Each	\$ 49.50
Thickness determination of asphalt / concrete cores	Each	\$ 27.50
<i>Sample Transportation Charge to Lab:</i>	Per Mile	\$ 0 .70
NON DESTRUCTIVE TESTING	UNIT	UNIT COST
Visual welding inspection (AWS, CWI)	Per Hour	\$135.00
Magnetic particle & dye penetrant inspection	Per Hour	\$115.75
Ultrasonic inspection	Per Hour	\$147.80
Ultrasonic equipment	Per Shift	\$ 49.60
Dye Penetrant Materials	Per Can	\$ 22.00
Magnetic Particle Equipment & Flux Materials	Per Day	\$ 44.00

Radiography equipment	Per Shift	\$ 77.15
Visual and CWI Materials	Each	\$ 22.00
Data Scan Unit (Reinforcement Locator)	Per Shift	\$ 66.15
Rebound (Swiss or Schmidt) Hammer	Per Shift	\$ 49.60
Paint thickness gage	Per Shift	\$ 27.50
32'- 0" Vertical Extension Bucket Truck	Per Day	\$275.50
Cell Phone	Per Month	\$82.50
SPRAYED FIRE-RESISTIVE MATERIAL	UNIT	UNIT COST
Thickness Measurements	Per Hour	\$ 71.60
Density Determination	Per Hour	\$ 82.60

Remarks:

Services and fees not listed above will be quoted on request.
 Monthly technician rates will be provided upon request. Rates for 40 Hour HAZWOPER trained technicians will be quoted on request. Other services and fees not listed above will be quoted on request.

A minimum of **four** hours will be charged for services performed on Monday through Saturday. A minimum of eight hours will be charged for work performed on Sundays and holidays. Hourly field inspection/sampling/testing rates are calculated on a portal to portal basis. Certified Engineering Testing technician hourly rates will be charged in addition to the unit test rate for Laboratory tests conducted on Weekends, holidays, and times outside of 7:00 a.m. to 5:00 p.m. Monday through Friday.

Overtime rates (1.5 x standard hourly rate) will be applicable for services performed over 8 hours per day, outside of 7:00 a.m. to 5:00 p.m. Monday through Friday and on Saturdays, Sundays and holidays.

A per diem charge of \$90.00 per day, if applicable, will be added. Transportation and per diem will be charged at the applicable rate. Rates involving mileage (including transportation, mobilization, and trip charges) are subject to change based upon increases in the national average gasoline price.

For quality control engineering inspection, construction materials testing and observations services, an engineering review charge to schedule and supervise personnel and evaluate and review reports will be billed at a minimum of 0.2 hours per report issued.

Signing of this Agreement indicates understanding and acceptance of the terms and conditions herein. Please retain one copy and return one fully executed copy to ABNA.

ABNA Engineering, Inc.

Southwestern Illinois Flood Prevention District

Signature: _____
 Abe Adewale, P.E.

Signature: _____
 Charles Etwert

Title: Principal

Title: _____

Date: January 11, 2016

Date: _____



4140 Lindell Blvd.
St. Louis, MO 63108
Phone: (314) 454-0222
Fax: (314) 454-1235
www.abnacorp.com

327 Missouri Ave. Ste 625
East St. Louis, IL 62201
Phone: (618) 875-5951
Fax: (618) 875-8405

April 18, 2016

Mr. Charles Etwert
Southwestern Illinois Flood Prevention District Council
104 United Drive
Collinsville, Illinois 62234

RE: Proposal for Quality Assurance Inspection, Materials Sampling, and Testing Services Southwestern Illinois Flood Protection District Bid Package 4 Pipe Material Change QA Testing rev 3

Dear Mr. Etwert:

Thank you for the opportunity to propose on this project. The attached "Materials Testing Quality Assurance / Laboratory Testing Services Proposal and Statement of Qualifications" for ABNA Engineering, Inc. is submitted as a brief overview of our company service fees and proposal to provide services on this project. ABNA is an engineering company specializing in Construction Management, Planning, Design, Surveying, **Materials Testing/ Inspection** and **Laboratory Testing**. Our **Material Inspectors are MoDOT and IDOT Certified and OSHA 10 hour Construction Safety Trained** and our Construction Management includes conducting concrete and pervious concrete testing in accordance with the American Concrete Institute standards, and with the National Ready Mix Concrete Association standards, monitoring batch plant operations, controlling the bituminous concrete compaction process by testing the mix density at random locations, identifying suitable and unsuitable soils for use in constructed fills, controlling the quality of engineered fills through observation and compaction testing, inspecting structural steel, and quality control inspection of contractor painting activities. Our laboratory holds a current accreditation from the **American Association of State Highway and Transportation Officials (AASHTO)** for testing soils, aggregate, concrete, and asphalt, **IDOT Approved Portland Cement Concrete/Aggregate Quality Assurance Laboratory**, and is **validated by the Corps of Engineers** to conduct materials tests.

Should this project require minority participation, please note that ABNA Engineering is a **DBE, MBE and WBE** certified with the City of St. Louis, **Lambert-St. Louis International Airport**, Bi-State Development Agency and **MoDOT**, as well as other local and state entities.

Abe Adewale, PE will serve as the principal-in-charge and Ray Bailey, PE, RG will be our Project Manager and can be reached at our office at 314-454-0222 ext. 1120 or by cell phone at 314-220-2378.

Based on Document No. 563170001-ADM-RFP-0036 Rev 0, Project No. 563170001.008.0016 as modified by Email dated March 2, 2016 subject: SWILCD BP 2, 4 AND 5 Quality Assurance and ABNA for BP 2B, BP 4 and BP 5, **as modified by Email dated March 24, 2016 subject: ABNA for BP 4**, and the attached proposed scope of work, our estimated not to exceed fee for this project is **\$19,892.50**. The fee for work above the quantities listed in the attached scope of work (Attachment A) will be based on the actual quantities and upon the unit price basis in accordance with the attached Schedule of Services and Fees (Attachment B).

Your consideration of ABNA Engineering, Inc. to provide quality control, material testing/inspection and laboratory testing for this project is greatly appreciated. If additional information is required, please do not hesitate to call us.

Sincerely,

Abe Adewale, PE
Principal



“ATTACHMENT A”
SCOPE OF CONSULTANT SERVICES FOR
MATERIAL TESTING/INSPECTION, QUALITY ASSURANCE, AND LABORATORY
TESTING FOR
Southwestern Illinois Flood Protection District Bid Package 4 QA Testing

1.0 Earthwork / Backfill

Inspection of the sub-grade preparation will include documenting removal of unsuitable material, inspecting and testing each placed lift. Lift materials will be classified and up to six (6) modified proctor tests conducted. Lift materials will be tested for compacted density using a nuclear moisture density gauge (up to 35 test days) and evaluated against the proctor test results to ensure the placed lift compaction achieves the specified requirements. The engineering technician will also make up to six (6) sets of six test samples of CLSM per test. The CLSM samples will be picked up during a scheduled soil testing day and transported to ABNA for testing. The engineering technician will prepare a report that states whether the tested work complies with the specifications. **Inspections and testing include up to 192 hours of site work and travel time, sampling for up to six modified proctors, and performing up to 36 CLSM tests at an estimated not to exceed price of \$19,892.50.**

“ATTACHMENT B”

**2016 Schedule of Fees for Material Quality Control, Testing,
 Inspection, and Laboratory Testing Services**

CATEGORY/ITEM	UNIT	UNIT COST
Engineering Services		
<i>Engineering technician to perform (night work):</i> Subgrade observations In-place density tests on compacted fill material Field test of concrete and casting of sample specimens In-place density tests of Bituminous Concrete Concrete batch plant observations Sample collection and transportation to lab Asphalt plant visual inspections and sampling	Per Hour	\$ 66.00
Nuclear Density/Moisture Equipment	Per Day	\$ 27.50
Transportation Charge to Plant and Project Site	Per Mile	\$ 0.70
Project Engineer / Project Manager / MoDOT Outsource Inspector / Quality Engineer	Per Hour	\$110.00
Quality Construction Engineer / SWPPP Inspector	Per Hour	\$ 82.00
Senior Field Technician	Per Hour	\$ 71.50
Field Technician Supervisor	Per Hour	\$ 88.00
Engineering review for reports involving engineered fills, foundation observation, subgrade eval., land disturbance inspections. And other non-standard reports	Per Hour	\$110.00
Coring Machine Operator	Per Hour	\$ 71.50
Core Equipment Service Charge	Per Day	\$ 93.50
Core Barrel Charge		
Asphalt Core (8 inch max. thickness)		\$ 38.50
Concrete Core (8 inch max. thickness)		\$ 44.00
Quality Control Manager	Per Hour	\$110.00

Structural Engineer	Per Hour	\$198.00
Laboratory Testing Services	UNIT	UNIT COST
Laboratory compression testing of concrete cylinders in accordance with ASTM Procedures.		
Testing and reporting	Each	\$ 27.50
Reserves not tested, including curing	Each	\$ 22.00
Trimming of irregular client cast cylinders to meet ASTM requirements (only if required)	Each	\$ 33.00
Concrete Length Change Monitoring and Reporting	Set of 3	\$413.00
Flexural Beams	Each	\$ 46.30
Splitting Tensile Strength of Concrete	Each	\$ 66.00
Absorption of Hardened Concrete (Immersion only)	Each	\$ 82.50
Absorption of Hardened Concrete (Immersion & Boiling)	Each	\$110.00
Grout Prism Compressive Strength	Each	\$ 33.00
Mortar Cube Compressive Strength	Each	\$ 28.50
<i>Moisture density relationship:</i>		
ASTM D698 (Standard)	Each	\$198.00
ASTM D1557 (Modified)	Each	\$226.00
ASTM D4253 and D4254 (Relative) density	Each	\$185.00
ASTM D4318 Atterberg limits determination	Each	\$ 93.70
Laboratory Density Determination Testing Using the Sand Cone Method	Per Sand Cone	\$ 60.50
Pocket Penetrometer	Per Day	\$21.00
Static Cone Penetrometer	Per Day	\$42.00
Dynamic Cone Penetrometer	Per Test	\$15.75
GPS - Locator	Per Day	\$22.00
<i>ASTM D5084 Perm Test – Flexible Wall</i>	Each	\$385.80

<i>-Perm Test – Additional Charge for Tests extending beyond 7 Calendar Days (including saturation time)</i>	Per Day	\$ 49.50
<i>Sieve Analysis:</i>		
Unwashed	Each	\$159.80
Washed	Each	\$187.40
Specific Gravity / Absorption of Fine Aggregate	Each	\$ 71.60
Specific Gravity / Absorption of Course Aggregate	Each	\$ 66.00
Organic Impurities Determination of Fine Aggregate	Each	\$ 66.00
Bulk Density (“Unit Weight”) of Aggregate	Each	\$ 55.00
Moisture Determination of Aggregate	Each	\$ 11.00
<i>Floor Flatness and Levelness :</i>		
Including report	Up to 5,000 ft ²	\$440.00
Each additional 1,000 ft ²	Each	\$121.00
For testing after 5:00 p.m. and before 7:00 a.m.	Each	\$143.30
ASTM F1869 Moisture Vapor Emission Rate	Each	\$ 66.00
<i>Asphaltic concrete:</i>		
Extraction and gradation	Each	\$231.50
Marshall Density (set of 3)	Per Set	\$226.00
Bulk specific gravity of asphalt cores	Each	\$ 49.50
Thickness determination of asphalt / concrete cores	Each	\$ 27.50
<i>Sample Transportation Charge to Lab:</i>	Per Mile	\$ 0 .70
NON DESTRUCTIVE TESTING	UNIT	UNIT COST
Visual welding inspection (AWS, CWI)	Per Hour	\$135.00
Magnetic particle & dye penetrant inspection	Per Hour	\$115.75
Ultrasonic inspection	Per Hour	\$147.80
Ultrasonic equipment	Per Shift	\$ 49.60

Dye Penetrant Materials	Per Can	\$ 22.00
Magnetic Particle Equipment & Flux Materials	Per Day	\$ 44.00
Radiography equipment	Per Shift	\$ 77.15
Visual and CWI Materials	Each	\$ 22.00
Data Scan Unit (Reinforcement Locator)	Per Shift	\$ 66.15
Rebound (Swiss or Schmidt) Hammer	Per Shift	\$ 49.60
Paint thickness gage	Per Shift	\$ 27.50
32'- 0" Vertical Extension Bucket Truck	Per Day	\$275.50
Cell Phone	Per Month	\$82.50
SPRAYED FIRE-RESISTIVE MATERIAL	UNIT	UNIT COST
Thickness Measurements	Per Hour	\$ 71.60
Density Determination	Per Hour	\$ 82.60

Remarks:

Services and fees not listed above will be quoted on request.
 Monthly technician rates will be provided upon request. Rates for 40 Hour HAZWOPER trained technicians will be quoted on request. Other services and fees not listed above will be quoted on request.

A minimum of three hours will be charged for services performed on Monday through Saturday. A minimum of eight hours will be charged for work performed on Sundays and holidays. Hourly field inspection/sampling/testing rates are calculated on a portal to portal basis. Certified Engineering Testing technician hourly rates will be charged in addition to the unit test rate for Laboratory tests conducted on Weekends, holidays, and times outside of 7:00 a.m. to 5:00 p.m. Monday through Friday.

Overtime rates (1.5 x standard hourly rate) will be applicable for services performed over 8 hours per day, outside of 7:00 a.m. to 5:00 p.m. Monday through Friday and on Saturdays, Sundays and holidays.

A per diem charge of \$90.00 per day, if applicable, will be added. Transportation and per diem will be charged at the applicable rate. Rates involving mileage (including transportation, mobilization, and trip charges) are subject to change based upon increases in the national average gasoline price.

For quality control engineering inspection, construction materials testing and observations services, an engineering review charge to schedule and supervise personnel and evaluate and review reports will be billed at a minimum of 0.2 hours per report issued.

Signing of this Agreement indicates understanding and acceptance of the terms and conditions herein. Please retain one copy and return one fully executed copy to ABNA.

ABNA Engineering, Inc.

Southwestern Illinois Flood Prevention District

Signature: _____
 Abe Adewale, P.E.

Signature: _____
 Charles Etwert

Title: Principal

Title: _____

Date: March 29, 2016

Date: _____



4140 Lindell Blvd.
St. Louis, MO 63108
Phone: (314) 454-0222
Fax: (314) 454-1235
www.abnacorp.com

327 Missouri Ave. Ste 625
East St. Louis, IL 62201
Phone: (618) 875-5951
Fax: (618) 875-8405

March 29, 2016

Mr. Charles Etwert
Southwestern Illinois Flood Prevention District Council
104 United Drive
Collinsville, Illinois 62234

RE: Proposal for Quality Assurance Inspection, Materials Sampling, and Testing Services Southwestern Illinois Flood Protection District Bid Package 5 Pipe Material Change QA Testing rev 3

Dear Mr. Etwert:

Thank you for the opportunity to propose on this project. The attached "Materials Testing Quality Assurance / Laboratory Testing Services Proposal and Statement of Qualifications" for ABNA Engineering, Inc. is submitted as a brief overview of our company service fees and proposal to provide services on this project. ABNA is an engineering company specializing in Construction Management, Planning, Design, Surveying, **Materials Testing/ Inspection and Laboratory Testing**. Our **Material Inspectors are MoDOT and IDOT Certified and OSHA 10 hour Construction Safety Trained** and our Construction Management includes conducting concrete and pervious concrete testing in accordance with the American Concrete Institute standards, and with the National Ready Mix Concrete Association standards, monitoring batch plant operations, controlling the bituminous concrete compaction process by testing the mix density at random locations, identifying suitable and unsuitable soils for use in constructed fills, controlling the quality of engineered fills through observation and compaction testing, inspecting structural steel, and quality control inspection of contractor painting activities. Our laboratory holds a current accreditation from the **American Association of State Highway and Transportation Officials (AASHTO)** for testing soils, aggregate, concrete, and asphalt, **IDOT Approved Portland Cement Concrete/Aggregate Quality Assurance Laboratory**, and is **validated by the Corps of Engineers** to conduct materials tests.

Should this project require minority participation, please note that ABNA Engineering is a **DBE, MBE and WBE** certified with the City of St. Louis, **Lambert-St. Louis International Airport**, Bi-State Development Agency and **MoDOT**, as well as other local and state entities.

Abe Adewale, PE will serve as the principal-in-charge and Ray Bailey, PE, RG will be our Project Manager and can be reached at our office at 314-454-0222 ext. 1120 or by cell phone at 314-220-2378.

Based on Document No. 563170001-ADM-RFP-0035 Rev 0, Project No. 563170001.008.0020 as modified by Email dated March 2, 2016 subject: SWILCD BP 2, 4 AND 5 Quality Assurance and ABNA for BP 2B, BP 4 and BP 5, modified by scope received in an email dated March 23, 2016 subject: SWILCD BP 5 ABNA for BP 5, and **further modified by scope received in an email dated March 24, 2016 subject ABNA for BP 5** and the attached proposed scope of work, our estimated **Not To Exceed** fee for this project is **\$30,451.00**. The fee for work above the quantities listed in the attached scope of work (Attachment A) will be based on the actual quantities and upon the unit price basis in accordance with the attached Schedule of Services and Fees (Attachment B).

Your consideration of ABNA Engineering, Inc. to provide quality control, material testing/inspection and laboratory testing for this project is greatly appreciated. If additional information is required, please do not hesitate to call us.

Sincerely,

Abe Adewale, PE
Principal



“ATTACHMENT A”
SCOPE OF CONSULTANT SERVICES FOR
MATERIAL TESTING/INSPECTION, QUALITY ASSURANCE, AND LABORATORY
TESTING FOR
Southwestern Illinois Flood Protection District Bid Package 5 QA Testing

1.0 Earthwork / Backfill

Inspection of the sub-grade preparation will include documenting removal of unsuitable material, inspecting and testing each placed lift. Lift materials will be classified and up to sixteen (16) modified proctor tests conducted. Lift materials will be tested for compacted density using a nuclear moisture density gauge (up to 30 test days) and evaluated against the proctor test results to ensure the placed lift compaction achieves the specified requirements. The engineering technician will also make up to twelve (12) sets of six test samples of CLSM per test. The CLSM samples will be picked up during a scheduled soil testing day and transported to ABNA for testing. The engineering technician will prepare a report that states whether the tested work complies with the specifications. **Inspections and testing include up to 240 hours of on site work, sampling for up to sixteen modified proctors at an estimated not to exceed price of \$30,451.00.**

“ATTACHMENT B”

**2016 Schedule of Fees for Material Quality Control, Testing,
 Inspection, and Laboratory Testing Services**

CATEGORY/ITEM	UNIT	UNIT COST
Engineering Services		
<i>Engineering technician to perform (night work):</i> Subgrade observations In-place density tests on compacted fill material Field test of concrete and casting of sample specimens In-place density tests of Bituminous Concrete Concrete batch plant observations Sample collection and transportation to lab Asphalt plant visual inspections and sampling	Per Hour	\$ 66.00
Nuclear Density/Moisture Equipment	Per Day	\$ 27.50
Transportation Charge to Plant and Project Site	Per Mile	\$ 0.70
Project Engineer / Project Manager / MoDOT Outsource Inspector / Quality Engineer	Per Hour	\$110.00
Quality Construction Engineer / SWPPP Inspector	Per Hour	\$ 82.00
Senior Field Technician	Per Hour	\$ 71.50
Field Technician Supervisor	Per Hour	\$ 88.00
Engineering review for reports involving engineered fills, foundation observation, subgrade eval., land disturbance inspections. And other non-standard reports	Per Hour	\$110.00
Coring Machine Operator	Per Hour	\$ 71.50
Core Equipment Service Charge	Per Day	\$ 93.50
Core Barrel Charge		
Asphalt Core (8 inch max. thickness)		\$ 38.50
Concrete Core (8 inch max. thickness)		\$ 44.00
Quality Control Manager	Per Hour	\$110.00

Structural Engineer	Per Hour	\$198.00
Laboratory Testing Services	UNIT	UNIT COST
Laboratory compression testing of concrete cylinders in accordance with ASTM Procedures.		
Testing and reporting	Each	\$ 27.50
Reserves not tested, including curing	Each	\$ 22.00
Trimming of irregular client cast cylinders to meet ASTM requirements (only if required)	Each	\$ 33.00
Concrete Length Change Monitoring and Reporting	Set of 3	\$413.00
Flexural Beams	Each	\$ 46.30
Splitting Tensile Strength of Concrete	Each	\$ 66.00
Absorption of Hardened Concrete (Immersion only)	Each	\$ 82.50
Absorption of Hardened Concrete (Immersion & Boiling)	Each	\$110.00
Grout Prism Compressive Strength	Each	\$ 33.00
Mortar Cube Compressive Strength	Each	\$ 28.50
<i>Moisture density relationship:</i>		
ASTM D698 (Standard)	Each	\$198.00
ASTM D1557 (Modified)	Each	\$226.00
ASTM D4253 and D4254 (Relative) density	Each	\$185.00
ASTM D4318 Atterberg limits determination	Each	\$ 93.70
Laboratory Density Determination Testing Using the Sand Cone Method	Per Sand Cone	\$ 60.50
Pocket Penetrometer	Per Day	\$21.00
Static Cone Penetrometer	Per Day	\$42.00
Dynamic Cone Penetrometer	Per Test	\$15.75
GPS - Locator	Per Day	\$22.00
<i>ASTM D5084 Perm Test – Flexible Wall</i>	Each	\$385.80

<i>-Perm Test – Additional Charge for Tests extending beyond 7 Calendar Days (including saturation time)</i>	Per Day	\$ 49.50
<i>Sieve Analysis:</i>		
Unwashed	Each	\$159.80
Washed	Each	\$187.40
Specific Gravity / Absorption of Fine Aggregate	Each	\$ 71.60
Specific Gravity / Absorption of Course Aggregate	Each	\$ 66.00
Organic Impurities Determination of Fine Aggregate	Each	\$ 66.00
Bulk Density (“Unit Weight”) of Aggregate	Each	\$ 55.00
Moisture Determination of Aggregate	Each	\$ 11.00
<i>Floor Flatness and Levelness :</i>		
Including report	Up to 5,000 ft ²	\$440.00
Each additional 1,000 ft ²	Each	\$121.00
For testing after 5:00 p.m. and before 7:00 a.m.	Each	\$143.30
ASTM F1869 Moisture Vapor Emission Rate	Each	\$ 66.00
<i>Asphaltic concrete:</i>		
Extraction and gradation	Each	\$231.50
Marshall Density (set of 3)	Per Set	\$226.00
Bulk specific gravity of asphalt cores	Each	\$ 49.50
Thickness determination of asphalt / concrete cores	Each	\$ 27.50
<i>Sample Transportation Charge to Lab:</i>	Per Mile	\$ 0 .70
NON DESTRUCTIVE TESTING	UNIT	UNIT COST
Visual welding inspection (AWS, CWI)	Per Hour	\$135.00
Magnetic particle & dye penetrant inspection	Per Hour	\$115.75
Ultrasonic inspection	Per Hour	\$147.80
Ultrasonic equipment	Per Shift	\$ 49.60

Dye Penetrant Materials	Per Can	\$ 22.00
Magnetic Particle Equipment & Flux Materials	Per Day	\$ 44.00
Radiography equipment	Per Shift	\$ 77.15
Visual and CWI Materials	Each	\$ 22.00
Data Scan Unit (Reinforcement Locator)	Per Shift	\$ 66.15
Rebound (Swiss or Schmidt) Hammer	Per Shift	\$ 49.60
Paint thickness gage	Per Shift	\$ 27.50
32'- 0" Vertical Extension Bucket Truck	Per Day	\$275.50
Cell Phone	Per Month	\$82.50
SPRAYED FIRE-RESISTIVE MATERIAL	UNIT	UNIT COST
Thickness Measurements	Per Hour	\$ 71.60
Density Determination	Per Hour	\$ 82.60

Remarks:

Services and fees not listed above will be quoted on request.
 Monthly technician rates will be provided upon request. Rates for 40 Hour HAZWOPER trained technicians will be quoted on request. Other services and fees not listed above will be quoted on request.

A minimum of three hours will be charged for services performed on Monday through Saturday. A minimum of eight hours will be charged for work performed on Sundays and holidays. Hourly field inspection/sampling/testing rates are calculated on a portal to portal basis. Certified Engineering Testing technician hourly rates will be charged in addition to the unit test rate for Laboratory tests conducted on Weekends, holidays, and times outside of 7:00 a.m. to 5:00 p.m. Monday through Friday.

Overtime rates (1.5 x standard hourly rate) will be applicable for services performed over 8 hours per day, outside of 7:00 a.m. to 5:00 p.m. Monday through Friday and on Saturdays, Sundays and holidays.

A per diem charge of \$90.00 per day, if applicable, will be added. Transportation and per diem will be charged at the applicable rate. Rates involving mileage (including transportation, mobilization, and trip charges) are subject to change based upon increases in the national average gasoline price.

For quality control engineering inspection, construction materials testing and observations services, an engineering review charge to schedule and supervise personnel and evaluate and review reports will be billed at a minimum of 0.2 hours per report issued.

Signing of this Agreement indicates understanding and acceptance of the terms and conditions herein. Please retain one copy and return one fully executed copy to ABNA.

ABNA Engineering, Inc.

Southwestern Illinois Flood Prevention District

Signature: _____
 Abe Adewale, P.E.

Signature: _____
 Charles Etwert

Title: Principal

Title: _____

Date: March 29, 2016

Date: _____



Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #5 & BP #7B

Date: April 18, 2016

Per the Board's Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board. Board approval is also required on all change orders if the total of all change orders on a project exceed ten percent of a project's original cost.

We have three change orders on the agenda, on Bid Package #5 & #7B, which Amec Foster Wheeler will be explaining at the meeting.

Bid Package 05 – Sluice Gate Rehab (MOPAC) Credit (\$17,715.53)

During inspection of the sluice gates at MESD Station 1384+50, commonly referred to as the "MOPAC Gates", the contractor found that the sluice gates are in good working order and need no rehabilitation or replacement as the construction documents call for. Subsequently, Amec Foster Wheeler and MESD inspected the gates and confirmed the contractor's assessment. The gates and frames are in good condition; therefore, their removal and replacement would be counterproductive.

During inspection, the gate stems were found to be bent; the contractor will therefore replace only the stems and guides, and install the electric actuators as planned.

The original bid for this line item was \$89,237.00; the removal of the gate and guide rehab scope of work results in a credit of \$17,715.53.

Bid Package 7B – CB Slurry Trench Cutoff Wall (Rock) Quantity Rectification - \$24,000.00

The lower cutoff wall (deep cutoff wall) project required a 2-foot 'key' into the bedrock at the bottom of the rock trench. The square footage of rock quantity was estimated during design based on the subsurface information that had been obtained. During construction, the rock elevation was found to

be irregular and therefore required additional rock excavation in some areas in order to maintain a 2 foot key throughout the length of each wall panel. This item was bid at a unit price of \$50 per square foot, and the additional excavation totaled 480 square feet.

Bid Package 7B – Slurry Wall Panel Coring Quantity Rectification - \$126,900.00

The contractor is required to perform Slurry Wall Panel Coring for verification of the cutoff wall conformance with the specifications. The specifications call for the contractor to core 5% of the panels and the cores shall be to the bottom of the panel. The bid tab estimated the quantity of coring based on an estimated number of panels and estimated depth of each panel. At the time bid documents were issued, the plans allowed panel lengths of up to 40 feet along the Mississippi River, and the actual panel length and total number of panels depended on contractor means and methods. The contractor's panel lengths range from approximately 9 to 23 feet, resulting in a greater number of panels, and thereby resulting in a greater number of cores (7 actual vs 5 bid). This item was bid at a unit price of \$470 per linear foot, and the additional coring totaled 270 linear feet.

Recommendation: Authorize the Chief Supervisor to approve requested change orders for BP #5 for a credit for Sluice Gate Rehab (MOPAC) in the amount of (\$17,715.53) with Keller Construction; for CB Slurry Trench Cutoff Wall (Rock) Quantity Rectification in the amount of \$24,000.00 with TREVIICOS South; and for Slurry Wall Panel Coring Quantity Rectification in the amount of \$126,900.00, for a total not to exceed \$133,184.47.