



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
October 21, 2015 7:30 am

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

1. Call to Order
Jim Pennkamp, President
2. Approval of Minutes of September 16, 2015
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. Change Orders – BP #3
*Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor*
8. Change Orders – BP #2B
*Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor*
9. Amec Foster Wheeler Work Order #15
East St. Louis 126-inch Sewer Removal at MESD Levee
*Amec Foster Wheeler Environment & Infrastructure
Chuck Etwert, Chief Supervisor*

AGENDA

10. Resolution providing for the issue of not to exceed \$100,000,000 Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015, of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois
Jeff White, Columbia Capital Management
Chuck Etwert, Chief Supervisor
11. National Flood Insurance Program (NFIP)
Levee System Evaluation Report (LSER) for
East St. Louis (MESD) Levee System –
Corps of Engineers
Chuck Etwert, Chief Supervisor
12. Update from Corps of Engineers
Tracey Kelsey, U.S. Army Corps of Engineers
13. Public Comment
14. Executive Session - Investments
15. Other Business
16. Adjournment

Next Meeting: November 18, 2015

MINUTES

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

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

Members in Attendance

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

Members Absent

Tom Long, Madison County Flood Prevention District

Others in Attendance

Alan Dunstan, Madison County Board Chair
Mark Kern, St. Clair County Board Chair
Delbert Wittenauer, Monroe County Board
Chuck Etwert, SW Illinois FPD Council
Matt Barriger, BarberMurphyGroup
Randy Cook, Amec Foster Wheeler Environment & Infrastructure
Rich Conner, Levee Issues Alliance
Mike Feldmann, U.S. Army Corps of Engineers
Walter Greathouse, Metro-East Sanitary District
Gary Hoelscher, Millennia Professional Services
David Human, Husch Blackwell LLP
Charles Juneau, Juneau Associates
Ronald S. Kaempfe, IUOE Local 520
Steve Kochan, Wood River Levee & Drainage District
Jose Lopez, U.S. Army Corps of Engineers
Jay Martin, Amec Foster Wheeler Environment & Infrastructure
Jack Norman, Southern Illinois Groundwater Advisory Council
Jon Omvig, Amec Foster Wheeler Environment & Infrastructure
Joe Parente, Madison County

Dale Stewart, Southwestern Illinois Building Trades Council
Deanne Strauser, U.S. Army Corps of Engineers
Denny Weber, Village of East Alton
Margaret Weber, Wood River Levee & Drainage District

Call to order

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

Mr. Pennekamp recognized Dr. Debra Moore, as a new member of the Flood Prevention District Council, representing St. Clair County.

Approval of Minutes of August 19, 2015

A motion was made by Ron Motil, seconded by Ron Polka, to approve the minutes of the Board meeting held on August 19, 2015. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved.

Public Comment on Pending Agenda Items

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

Program Status Report

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

He indicated high river conditions have receded and construction has resumed during the last month. Approximately 62% of the \$61.3 million of construction, involved in all nine current construction bid packages, has been completed thru August. With 1.6 million dollars’ worth of construction completed in August, the total amount of construction completed is \$38.4 million.

There are two change order items on this month's agenda. The first item concerns three change orders involving BP #3 for the Hawthorne Pipe Changes (which is a credit), BP #3 for the Russell Commons Buried Waste, and BP #6 for the Existing Pipe in Clay Cap. Amec Foster Wheeler will be explaining them at the meeting.

The second change order item concerns possible change orders due to the Corps of Engineers recent potential changes to the scope of the authorized plan for design deficiency corrections in the East St. Louis (ESTL) levee systems, which could result in the elimination of 14,300 lineal feet of deep cutoff wall. Amec Foster Wheeler will be explaining the situation and the current status of discussions with the contractors involved. A copy of the Corps of Engineers letter of September 4, 2015 was included in the agenda package.

He indicated that he and AMEC Foster Wheeler continue to meet with the Corps of Engineers regarding the process of the Council moving ahead with 500-year level of protection projects and ensuring that work the Council does is eligible for future Work In-Kind Credit.

The Corps of Engineers has informed the Council that it now anticipates the earliest the Integral Determination Reports (IDRs) for the Metro-East projects will be approved by the Assistant Secretary of the Army is February, but this is still contingent on receipt of WRRDA 2014 Section 1018 Implementation Guidelines.

To date, the Council hasn't received the Department of the Army's draft solicitation utilizing a Best Value Tradeoff approach instead of a Lowest-Price Technically Acceptable approach. They are developing specific evaluation criteria to achieve proposals that provide for the efficient and timely completion of a project and in recognition that these are cost-shared projects, proposals that provide local economic benefit, with or without a Project Labor Agreement.

With the 100-Year Projects now over sixty percent complete, on August 25th, Amec Foster Wheeler, Husch Blackwell, and I had a conference call with FEMA regarding the certification process. FEMA also invited the Corps of Engineers, since they will be providing certification on a portion of the levee system.

The discussion went well, with FEMA indicating their schedule and a willingness to work with us regarding our schedule. FEMA is currently working on work maps which will be followed by preliminary and final maps. Amec Foster Wheeler is in the process of providing FEMA our planned certification schedule. Another conference call will be scheduled after their review of our submittal.

To date, the Council has not received a response to our August 5, 2015 letter sent, to the City of East St. Louis and MESD, expressing our concern regarding the repair of a sinkhole at the East St. Louis 10.5 ft. diameter combined sewer located on the landside of the Metro East Sanitary District Levee. This condition has existed for quite some time and needs to be corrected in a timely manner, in order, to not delay the certification to FEMA process. Mr. Etwert indicated that Amec Foster Wheeler has been asked to prepare a cost estimate for the design and construction of the repair, in case, the Council has to take action to resolve this situation, with the

intent to recover expenses. This is an important issue that will need to be taken care prior to achieving certification.

The Council has received a refund of \$33,109.03 from AT&T for the relocation of cable at #1 Henry Street in Alton, which was required as part of Bid Package 7A construction. AT&T had requested a pre-payment of \$81,276.64 prior to proceeding with the relocation project, which the Council approved last September.

Amec Foster Wheeler will present their Work Order for the Metro East Sanitary District Levee Authorized Level Field Investigation and Design which was discussed at last month's meeting. The Work Order will include complete Construction Documents and associated Design Services in support of the design and construction of levee improvements throughout the Metro East Sanitary District Levee System.

Mr. Etwert indicated that on September 15th, he gave a presentation covering the Council's efforts to date on the 100-Year Level of protection and the planned efforts for the Authorized Level to the Economic Development Network Group of the Leadership Council of Southwestern Illinois. He noted that many in attendance were familiar with the Council's work and were pleased that the Council was moving ahead with the Authorized Level projects.

The Board was provided copies of Amec Foster Wheeler's Monthly Progress Report for September and articles from the Belleville News Democrat and Illinois Business Journal.

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

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

The motion was approved unanimously.

Budget Update and Approval of Disbursements

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

Mr. Etwert noted that financial statement for August 2015 prepared by our fiscal agent, CliftonLarsonAllen was included in the materials sent for the meeting. The report included an

accounting of revenues and expenditures for the month ending August 31, 2015, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$38,272,471 while revenues amounted to \$10,627,187 resulting in a deficit of \$27,645,284. A total of approximately \$24,176,234 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 June 2015 (the latest month reported by the Illinois Department of Revenue) were up .66% from the previous year. In general, receipts are up .53% from last year, which was our highest year.

The report included bank transactions for August 2015. Total disbursements for the month were \$954,876.44. The largest payments were to Keller Construction for BP #3 and BP #5, TREVIICOS South for BP #7B, Lane Construction for BP #6, Amec Foster Wheeler, and Husch Blackwell.

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

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

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

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

The motion was approved unanimously.

Design and Construction Update

Mr. Pennekamp called on Jay Martin, Amec Foster Wheeler's program manager, to provide a report. Mr. Martin used a slide presentation to illustrate his remarks. He indicated that the water

levels have receded and construction work has resumed. His presentation, including a few site photos, focused on the status of each bid package and the effects of the flood event as follows:

Construction Status

Bid Packages 3, 4, 5, 6 & 7B

- Weather and River Levels have stalled progress and impacted schedule. This past month water levels have receded and work in most locations has resumed.

Bid Package 2A – Fish Lake Pump Stations

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

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

- The planned construction portion of this project is complete. Retainage will not be fully released until the completion of the change order and the resolution of all warranty issues (Site 5) are resolved.
- Amec Foster Wheeler preparing close-out documents for USACE

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

- Work on this site will not begin until October 15 to comply with 33 U.S.C 408 (Section 408 alteration permit)
- The NTP was issued March 5, 2015
- The contractor is preparing and Amec Foster Wheeler is reviewing submittals

Bid Package 3 – Wood River Seepage Improvements

- Design revisions to Blanket Drain 4 and Random Fill Area 1 pending. Construction cost impacts will be submitted when available
- Upper Wood River relief well drilling complete
- Lower Wood River relief wells re-started, flood waters receded
- Pilot hole drilling near completion, only one remains
- Blanket Drain 1 – to be completed later this month
- Blanket Drain 2 – 95% Complete (good progress)
- Blanket Drains 5 & 7 substantially complete

Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)

- Pump Station installation complete
- Clay Cap approximately 50% complete

Bid Package 5 – MESD Seepage Improvements

- Relief well collector systems have failed deflection tests. Amec Foster Wheeler is reviewing
- Sluice Gate rehabilitation at MoPAC in progress

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

- Relief well collector system – 85% complete
- Seepage berms – 90% complete
- Clay caps – (0% complete)

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

- Plant setup nearing completion
- Working platform construction in progress
- Piezometer and inclinometer installation in progress
- Deep cut off wall test section scheduled for week of September 21, 2015

Construction Photos

Bid Package 3 – Wood River – Blanket Drain #2 Drainage System

Bid Package 3 – Wood River – Blanket Drain #2

Bid Package 4 – MESD – Clay Cap

Bid Package 4 – MESD – Clay Cap

Bid Package 5 – MESD – 408 Pump Station Gate Rehab

Bid Package 7B – Lower Wood River – Setup for Test Panel

Bid Package 7B – Lower Wood River – Plant Setup

There was a brief discussion regarding the plant setup/function, what will be visible during the operation, and the cutoff wall itself.

He next discussed the FEMA Certification packages.

FEMA Certification Update

Upper Wood River

- Pending completion of Blanket Drains #1 & 2 and 17 relief wells in Bid Package 3
- USACE will certify to FEMA (due to Mel Price seepage area)
- Amec Foster Wheeler to submit documentation to USACE in Q4 2015
- USACE submits documentation to FEMA approximately 3-4 months after

Lower Wood River

- Certification is pending completion of BP3 & BP7B

- Submit to FEMA Middle of 2016

Wood River East & West Forks

- Certification is pending INDR Approval of Interior Drainage Analysis
- Submit to FEMA Fall 2015

MESD

- Pending completion of Bid Packages 2B, 4, & 5
- Pending resolution of Chain of Rocks documentation with USACE
- 10.5 ft. sewer owned by City of East St. Louis has not been repaired (previously identified as a maintenance item). This deficiency needs to be address prior to certification. Amec Foster Wheeler will coordinate with USACE on design/repair requirements

Prairie du Pont & Fish Lake

- Pending completion of Bid packages 2B & 6 (weather has impacted)
- Submit to FEMA by end of 2015

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

Wood River

- Reach-by-reach analysis complete
- Costs and project approach presented and approved by Council
- Work order presented and approved
 - Drilling plan progressing and portions submitted for review
 - Subcontract agreement

MESD

- Costs and project approach presented for approval today to Council

PdP/FL

- Currently being reviewed by the USACE against FEMA improvement

Mr. Pennekamp asked for a motion to accept Mr. Martin's progress report. A motion was made by Mr. Motil 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 – absent
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – absent
Mr. Pennekamp – Aye

The motion was approved unanimously.

Change Orders BP #3 & BP #6

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

Mr. Etwert explained as he had indicated in the Program Status Report that there were two change order items on the agenda that Amec Foster Wheeler would be explaining.

He explained that board approval is required on all change orders if the total of all change orders on a project exceed ten percent of a project's original cost, which is the case for both Bid Package 3 and Bid Package 6.

Mr. Omvig provided the following explanation for two change orders on Bid Package 3 and one on Bid Package 6.

Bid Package 03 – Hawthorne Pipe Changes (\$9,678.67 credit)

In Lower Wood River (LWR) along Route 3 in Hartford Amec Foster Wheeler determined after clearing the heavy brush and trees along the roadside ditch, that the "T"-Type relief well outfall headwalls would not be feasible to place in the bottom of the ditch, as the ditch is much narrower than anticipated, and the side slopes are too steep. This change order eliminates the concrete headwall structure at each manhole in this area, as well as the HDPE pipe that runs from the "T"-Type relief well manhole to the headwall. This change order changes the pipe material to concrete pipe since a portion of the pipe will be exposed to UV light at the toe of the ditch. Due to the elimination of the headwall, the flap gate type also changed. The result will be a concrete pipe with a flap gate in lieu of HDPE pipe with a headwall and a duckbill check valve.

14-003 RFP 0025 -- Hawthorne Pipe Changes						
	Description	QTY	Unit of M	Unit Price	Total Price	
	Add Change Order					
100	Flap Gates (1066-1074 & 1076 to 1080)	14	EA	\$3,201.00	\$44,814.00	
200	12" RCP (CA7 & NO Fabric)	112.76	FT	\$64.95	\$7,323.76	
300	RCP & Trash Rack	1	LSUM	\$3,395.00	\$3,395.00	
310	24" DIP	12	FT	0	\$0.00	
320	Trash Rack	1	ea	0	\$0.00	
400	36" RCP (CA7 & NO Fabric)	47.87		\$124.05	\$5,938.27	
500	Option Replace 36" CMP	24	FT	\$124.05	\$2,977.20	
600	15" Flap Gate	1	EA	\$2,894.00	\$2,894.00	
				Total Add Change Order	\$67,342.24	
	Deduct Change Order					
1000	End Section & Flap Gate :	-14	ea	\$4,800.00	-\$67,200.00	Contract Item
2000	12" HOPE	-112.76	FT	\$62.50	-\$7,047.50	Contract Item
3000	24" RCP	-12	FT	\$82.23	-\$986.76	Contract Item
4000	36" HOPE	-47.87	FT	\$112.84	-\$5,401.65	Contract Item
5000	CMP	-1	LSUM	\$0.00	\$0.00	Contract Item
6000	15" Flanged Duckbill	1	ea	\$3,615.00	\$3,615.00	Change Order #9
				Total Deductive Change Order	-\$77,020.91	

Bid Package 03 – Russell Commons Buried Waste \$780,000.00

In Upper Wood River (UWR), at Russell Commons Park, there are seven manhole excavations which consist of trash/debris, not shown per on the drawings and specifications. This discovered trash/debris is considered a differing site condition. These manhole excavations are approximately 25 to 34 feet deep, 30 feet wide and approximately 50 ft. long. Rough order of magnitude calculation of the excavation quantity, benching at this point is an estimated only. The rough order of magnitude price below is based on excavation, stockpiling the trash/debris, environmental analysis as and importing new fill, constructing a haul road for landfill truck hauling, potential multiple moving of trash stockpile. The Contractor has provided us with a \$780,000 rough order of magnitude (ROM) cost. Amec Foster Wheeler has issued a Request for Proposal (RFP) on September 11, 2015 to the Contractor and will refine this change order. Amec Foster Wheeler requests approval of this ROM cost to allow the contractor to continue work at Russell Commons and not stop work. Please note, this is only a ROM and the change order will be based on the Contractor supplied unit rates and the actual quantity of material.

This work is part of the Upper Wood River levee system, which is being certified by USACE, therefore completion of construction in this area is on the critical path to certification of Upper Wood River.

There was a brief discussion regarding the determination of the expected volume, the type of excavation, the age of the material, and available funds for waste removal.

Bid Package 06 – Existing Pipe in Clay Cap \$29,950.00

A 12 inch Standard Dimension Ratio (SDR) pipe was discovered at PDP Levee Station 368+00 in the riverside existing slope beneath the proposed clay cap. The buried 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.

Amec Foster Wheeler proposes to have the Contractor grout the existing 12” SDR pipe in place with Type 1 Portland Cement and water proportioned at 6 gallons of water per 94 pound bag of cement. The Contractor will then bed, place, and backfill a new 12 inch SDR above the newly constructed clay cap, on the same alignment as the original SDR, in accordance with the pipe manufacturer’s recommendations, and cover with random fill per 31 00 00 of our specifications.

The pipe material, joint type, cell classification (if applicable), and SDR shall be the same as that of the existing pipe. Backfill over and around the new pipe will be compacted to 95% of the material’s standard proctor maximum dry density. Backfill depth (cover) over the new pipe shall be in accordance with manufacturer’s recommendations for the specific SDR of the new pipe (i.e. SDR 35, SDR 26, etc.). Install RR-3 rip rap at the discharge end of the new pipe to protect the pipe and provide a splash pad/energy dissipater no less than 5’ from the end of the pipe. During construction of the clay cap, the contractor shall allow full operation of the “pumping station.”

In the event of an emergency, prior to the riverside pipe being replaced, the contractor shall install a “bypass” from the manhole on the crest of the levee to the toe. Acceptable methods would be a coupler installed temporarily in the manhole to allow a lay flat hose to be attached. Contractor will be instructed to describe temporary emergency measures in the proposal to accomplish the work.

He requested that the Chief Supervisor be authorized to approve BP03 requested change order for the Hawthorne Pipe Changes (\$9,678.67 credit) with Keller Construction; BP03 requested change order for the Russell Commons Buried Waste ROM for \$780,000.00 with Keller Construction; and BP06 requested change order for the Existing Pipe in Clay Cap for \$29,950.00 with Lane Construction; for a total not to exceed \$800, 271.33.

Mr. Parks arrived during the presentation.

Mr. Pennekamp asked for a motion to accept the recommendation on the change orders. A motion was made by Mr. Motil with a second by Mr. Brinkman to authorize the Chief Supervisor to approve BP03 requested change order for the Hawthorne Pipe Changes (\$9,678.67 credit) with Keller Construction; BP03 requested change order for the Russell Commons Buried Waste ROM for \$780,000.00 with Keller Construction; and BP06 requested change order for the

Existing Pipe in Clay Cap for \$29,950.00 with Lane Construction; for a total not to exceed \$800,271.33. 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 – absent
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – Aye
Mr. Pennekamp – Aye

The motion was approved unanimously.

Change Orders BP #4 & BP #5

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

Mr. Omvig explained that BP #4 and BP #5 were significant in terms of cost and long term implications.

The Corps of Engineers has reevaluated the effects of the 100-Year level protection work and has determined potential changes to the scope of the authorized plan for design deficiency corrections in the East St. Louis (ESTL) levee system. These changes would eliminate as much as 14,300 lineal feet of deep cutoff wall in MESD and utilize the improvements made by the FPD Council and reduce the overall total cost of the Authorized Level (500-Year) flood protection by as much as \$62,900,000.

Cost savings to the FPD Council could be in the range of \$30,400,000. This is based on \$12,900,000 of the \$62,900,000 being for hazardous waste removal, which is 100% FPD Council funded, and 35% of \$50,000,000 (\$62,900,000 - \$12,900,000) which is \$17,500,000. $\$12,900,000 + \$17,500,000 = \$30,400,000$.

In the recent discussions with the Corps they have indicated that the improvements made by the Council need Authorized Level of Protection through the planned life of their project. The collection system that is currently in the process of being installed was reviewed through the 408 permit process, and reviewed from the standpoint of whether it is injurious to the levee.

The Corps did not review the plans from a standpoint of conforming to their Authorized Level flood event design requirements. The Corps has stated that in order to eliminate as much as 14,300 LF of the deep cut off wall in MESD and utilize the improvements made by the FPD

Council, the collection system must be constructed to St. Louis District Corps' standards. The typical St. Louis District pipe collection system is concrete pipe, not the high density polyethylene (HDPE) pipe that is currently being installed.

The savings identified above would be reduced by the cost of replacing the HDPE pipe with concrete pipe as well as installing the estimated 50 to 100 surface discharging relief wells.

Amec Foster Wheeler has met with Keller Construction (BP #5) and Haier Plumbing (BP #4) individually to get initial prices for the reinforced concrete pipe (RCP) and with the Corps regarding the review process. A change to the existing contract can be processed as a Project Change Notice (PCN) under the existing 408 permit. Ideally contractors could be mobilized and installing by early October.

Both Contractors have provided a cost for the Change Order, however the costs they have submitted are greater than 110% of the Amec Foster Wheeler estimate. Amec Foster Wheeler believes that with additional clarification it may be possible to get the Change Orders within a reasonable range of their estimates. Additionally, Amec Foster Wheeler has submitted several requests to the USACE that may result in a slightly lower cost option.

Amec Foster Wheeler hasn't talked to the Korte & Luitjohan (BP #2B), the contractor that has installed four pump stations in the area. This contractor installed the first forty feet of pipe outside of each pump station and it is best that they replace the pipe in these areas. Ductile iron pipe rather than reinforced concrete pipe may be needed at the pump stations to achieve the proper connection. Amec Foster Wheeler will meet with Korte & Luitjohan and come back next month with a change order for that portion of the work.

There was a brief discussion concerning the bedding, backfilling, and encasement of the plastic pipe and the reinforced concrete pipe and the requirements of the Authorized Level of protection.

Installation of the reinforced concrete pipe with additional relief wells, will eliminate the need for the deep cutoff wall in this area, provide Authorized Level protection in this area sooner, and save approximately \$20,000,000 overall.

The Corps has determined that the cutoff wall can be eliminated but hasn't identified as yet how many relief wells will be required. It currently estimated that 50 to 100 relief wells will need to be installed. The relief wells will be eligible for future Work In-Kind Credit, and will not affect the 408 permitting process.

There was a brief discussion regarding specifications of the existing pipe and the pipe specifications for the Authorized Level.

There was confirmation that this was change order regarding the type of pipe being used and not additional work outside the scope of the original contract.

He requested that the Chief Supervisor be authorized to approve BP #4 requested change order for the replacement of HDPE pipe with reinforced concrete pipe for a maximum total of \$2,800,000.00 with Haier Plumbing and be authorized to approve BP #5 requested change order for the replacement of HDPE pipe with reinforced concrete pipe for a maximum total of \$5,100,000.00 Keller Construction; for a total not to exceed \$7,900,000.00.

Mr. Pennekamp asked for a motion to accept the recommendation on the change orders. A motion was made by Mr. Parks with a second by Mr. Bergkoetter to authorize the Chief Supervisor to approve BP #4 requested change order for the replacement of HDPE pipe with reinforced concrete pipe for a maximum total of \$2,800,000.00 with Haier Plumbing and to approve BP #5 requested change order for the replacement of HDPE pipe with reinforced concrete pipe for a maximum total of \$5,100,000.00 Keller Construction; for a total not to exceed \$7,900,000.00. 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 – absent
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – Aye
Mr. Pennekamp – Aye

The motion was approved unanimously.

Approval of Amec Foster Wheeler Work Order 14

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

He explained, as discussed during the MESD Levee System Authorized Level Project Summary Report at last month's meeting, Amec Foster Wheeler proposes the development of four bid packages for the MESD Levee System.

The scope of work involves the Field Investigation and Design of four bid packages for Authorized Level Improvements in the MESD Levee System, involving three hundred and six relief wells, one pump station, one lift station, one fill area, a clay cap area, and eight seepage berms.

It was noted that Amec Foster Wheeler for the Authorized Level projects will be relying on the USACE for identification of deficiencies and improvements. Amec Foster Wheeler's services do not include an analysis of the existing condition of the levees or an analysis of whether the improvements recommended in the USACE Reports provide the level of protection indicated and/or desired by the USACE.

The proposed fee includes \$3,000,000 for drilling, \$800,000 for surveying, and \$2,000,000 for design and coordination with the Corps of Engineers.

There was a brief discussion indicating that FY2016 will be a year of field investigation and design with construction occurring in FY2017.

Mr. Pennekamp asked for a motion to authorize the Chief Supervisor to execute Work Order 14 with Amec Foster Wheeler Environment & Infrastructure Inc. for the MESD Levee System Authorized Level Field Investigation and Design, in the amount of \$5,972,432.

A motion was made by Mr. Parks with a second by Mr. Brinkman to authorize the Chief Supervisor to execute Work Order 14 with Amec Foster Wheeler Environment & Infrastructure Inc. for the MESD Levee System Authorized Level Field Investigation and Design, in the amount of \$5,972,432. 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 – absent
Dr. Moore – Aye
Mr. Motil – Aye
Mr. Parks – Aye
Mr. Pennekamp – Aye

The motion was approved unanimously.

Corps of Engineers Update

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

Mr. Feldmann then used a PowerPoint® presentation to provide an update on the project status of the Metro East Projects as follows:

He first discussed the high water event earlier this year and that the Corps is waiting for follow up information on the solutions to the problems encountered. He noted that the Board's action earlier regarding the installation of reinforced concrete pipe will eliminate the need for 14,000 feet of deep cutoff wall and at the same time address some performance issues concerning the collector system. He stressed the importance of complying with the 408 permit conditions.

Next he noted that the Wood River Reconstruction Project is coming to an end, with the last feature being some pump station gate work which was completed yesterday. This above ground features project will now be considered complete.

He indicated that the Corps is ready to issue a notice to proceed on the contract it awarded for construction of relief wells in July for Mel Price. The contract is for additional relief wells as well as some replacement of wood stave relief wells located in the interim operation plan area.

This is to assure that the interim measures continue to be effective. The Mel Price solution study is scheduled to be complete in about ten months.

He indicated that the Wood River LSER is on schedule as the Corps waits for the Council's construction in the Upper Wood River area to be finalized.

He indicated the PLA draft solicitation is on schedule and should be issued by September 30th. The intent of the draft solicitation is to get feedback on the Best Value with Tradeoff process and the selection criteria process that will be used.

Lastly, he discussed Work In-Kind and funding scenarios and the importance of keeping federal funds flowing. The funding plan and execution plan have been changed for the federal project. The Corps is always working thru a two to three year budget cycle.

He indicated that he is working two funding paths, the first being the traditional cost share construction project path where the sponsor provides funds to the Corps to do the design and construction project and the other parallel path using cost share funds federal and sponsor to do preliminary design which is turned over to the sponsor for design and construction with Corps oversight. Both paths require some federal funds and some sponsor funds. He expressed the need to keep funds flowing to both paths.

He indicated that the Integral Determination Reports (IDRs) for Wood River and East St. Louis are moving forward and once approved, will solidify to a greater extent the Work In-Kind eligibility for the work the Council is doing. It is now expected that the IDRs will be approved in February 2016.

Approval of the IDR will maintain the Council's Work In-Kind eligibility for work up to the Council's cost share amount. For any work above the cost share amount, will require a comprehensive plan to allow for the transfer of excess credit.

There was a brief discussion of the eligibility of previous work done by the Council or the Corps of Engineers and the probability that the normal non-federal share and federal share will be achieved.

The Corps will continue to need funds to support the work the Council is doing right now, like the preliminary design efforts.

He briefly discussed alternative scenarios on how in the absence of federal funds that a non federal sponsor could provide additional funds to the Corps in order to continue preliminary design efforts. He mentioned Accelerated, Contributed, and Advanced funding scenarios which would require amended Project Partnership Agreements (PPAs), which would have to go to the Congressional Committee and take at least a year to accomplish.

Lastly, he mentioned that the Corps was making their annual September congressional visit to Washington, D.C. and that copies of their presentation to the Illinois elected officials would be provided to the Council.

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

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

The motion was approved unanimously.

Public Comment

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

Other Business

There was no other business.

Adjournment

A motion was made by Mr. Pennekamp, 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



amec

wheeler

Progress Report
September 16, 2015

Southwestern Illinois
Levee Systems

By Jay Martin



Construction Status



- Bid Package 3, 4, 5, 6 & 7B – Weather and River Levels have stalled progress and impacted schedule. This past month water levels have receded and work in most locations has resumed.



Construction Status

- ▶ **Bid Package 2A – Fish Lake Pump Stations**
 - ▶ The construction portion of this project is complete and the retainage has been released.
 - ▶ Amec Foster Wheeler preparing documents for USACE.

- ▶ **Bid Package 2B – WR/MESD/PdP Pump Stations**
 - ▶ The planned construction portion of this project is complete. Retainage will not be fully released until the completion of the change order and the resolution of all warranty issues (Site 5) are resolved.
 - ▶ Amec Foster Wheeler preparing close-out documents for USACE.

- ▶ **Bid Package 2C – Site 12 Pump Station Force Mains (MESD)**
 - ▶ Work on this site will not begin until October 15 to comply with 33 U.S.C 408 (Section 408 alteration permit).
 - ▶ The NTP was issued in March 5, 2015.
 - ▶ The contractor is preparing and Amec Foster Wheeler is reviewing submittals.

3



Construction Status

- ▶ **Bid Package 3 – Wood River Seepage Improvements**
 - ▶ Design revisions to Blanket Drain 4 and Random Fill Area 1 pending. Construction cost impacts will be submitted when available
 - ▶ Upper Wood River relief well drilling complete
 - ▶ Lower Wood River relief wells re-started, flood waters receded
 - ▶ Pilot hole drilling near completion, only one remains.
 - ▶ Blanket Drain 1 – to be completed later this month
 - ▶ Blanket Drain 2 ≈ 95% Complete (good progress).
 - ▶ Blanket Drains 5 & 7 substantially complete.

4

Construction Status

- ▶ Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)
 - ▶ Pump Station installation complete.
 - ▶ Clay Cap approximately 50% complete.

Construction Status

- ▶ Bid Package 5 – MESD Seepage Improvements
 - ▶ Relief well collector systems have failed deflection tests. Amec Foster Wheeler is reviewing.
 - ▶ Sluice Gate rehabilitation at MoPAC in progress
- ▶ Bid Package 6 – Prairie du Pont / Fish Lake Seepage Improvements
 - ▶ Relief well collector system ~ 85% complete
 - ▶ Seepage berms ~ 90% complete
 - ▶ Clay caps ~ 90% complete

Construction Status



- ▶ Bid Package 7B – Wood River Lower (Deep) Cut-off Wall
 - ▶ Plant setup nearing completion
 - ▶ Working platform construction in progress
 - ▶ Piezometer and inclinometer installation in progress
 - ▶ Deep cut off wall test section scheduled for the week of September 21, 2015.

7

Bid Package 3 – Wood River



Blanket Drain
#2 Drainage
System

08/29/2015 11:21

8

Bid Package 3 – Wood River



Blanket Drain #2



9

09/09/2015 17:44

Bid Package 4 – MESD



Clay Cap



10

09/08/2015 13:15

Bid Package 4 – MESD



Clay Cap



11

09/08/2015 11:55

Bid Package 5 – MESD



408 Pump
Station Gate
Rehab



12

09/08/2015 09:49

Bid Package 7B – Lower Wood River



Setup for Test Panel



13

Bid Package 7B – Lower Wood River



Plant Setup



14



FEMA Certification Update

- ▶ Upper Wood River
 - ▶ Pending completion of Blanket Drain #1&2 & 17 relief wells in Bid Package 3
 - ▶ USACE will certify to FEMA (due to Mel Price seepage area).
 - ▶ Amec Foster Wheeler to submit documentation to USACE in Q4 2015.
 - ▶ USACE submits documentation to FEMA approximately 3-4 months after.

- ▶ Lower Wood River
 - ▶ Certification is pending completion of BP3 & BP7B.
 - ▶ Submit to FEMA Middle of 2016

- ▶ Wood River East & West Forks
 - ▶ Certification is pending IDNR Approval of Interior Drainage Analysis
 - ▶ Submit to FEMA Fall 2015

15



FEMA Certification Update

- ▶ MESD
 - ▶ Pending completion of Bid Packages 2B, 4, & 5.
 - ▶ Pending resolution of Chain of Rocks documentation with USACE.
 - ▶ 10.5 ft sewer owned by City of East St. Louis has not been repaired (previously identified as a maintenance item). This deficiency needs to be addressed prior to certification. Amec Foster Wheeler will coordinate with USACE on design/repair requirements.

- ▶ Prairie du Pont & Fish Lake
 - ▶ Pending completion of Bid Packages 2B & 6 (weather has impacted).
 - ▶ Submit to FEMA by end of 2015.

16

Authorized Level (500-Year) Design

Wood River

- Reach-by-reach analysis complete
- Costs and project approach presented and approved by Council
- Work order presented and approved
 - Drilling plan progressing and portions submitted for review
 - Subcontract agreement

MESD

- Costs and project approach approved August, 2015
- Work order presented to Council today

PdP/FL

- Currently being reviewed by the USACE against FEMA improvements

Questions?



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

Metro East Projects, IL

USACE UPDATE

- High Water Event – After Action Status: no follow up information provided to date
- Ongoing Construction Update
 - Wood River Reconstruction Physical Completion
 - Mel Price Relief Well Contract – contract awarded; reviewing submittals; NTP pending
- WR Upper LSER
- Status of Work in Kind credit eligible FPD activities
 - IDR Status – Awaiting MVD comments on Wood River and East St. Louis
 - PPA Amendment
 - WIK
 - Funding Scenarios that Requires Committee notification
 - ▶ Accelerated: NF funds provided ahead of Fed funds; limited to cost share
 - ▶ Contributed: NF funds provided in excess of required cost share; no credit
 - ▶ Advanced: NF funds provided as an advance of Fed funds; potential for credit or repayment



- Congressional Visit



BUILDING STRONG®

Metro-East News AUGUST 26, 2015

Southwestern Illinois Flood Prevention District looks to issue bonds for levee projects

BY JOSEPH BUSTOS

News-Democrat

By the end of the year, the regional flood prevention district could be taking on a large amount of debt in order to carry out levee upgrade projects.

The Southwestern Illinois Flood Prevention District Council is looking to borrow money to pay for projects that would help bring the area's levees up to the 500-year flood protection level.

Chuck Ewert, the district's chief supervisor of Construction and the Works, expects the district to issue \$65 million to \$70 million worth of bonds by the end of the year.

The district council has approved a resolution authorizing the district to issue up to \$100 million in bonds, but Ewert said it most likely won't be that high.

After the bonds are issued, Ewert said the district would spend the next calendar year working engineering and design of the projects. Physical construction of bringing the levies to a 500-year flood level would begin during the 2017 fiscal year which begins on Oct. 1, 2016.

The district is carrying out projects rather than pledging cash because the district and the U.S. Army Corps of Engineers could not agree on the inclusion of project labor agreements on levy projects.

The U.S. Army Corps of Engineers is committed to paying for 65 percent of the cost of bringing the levies up to the 500-year level. The remainder would come from the flood prevention district.

Federal government officials have yet to give final approval on whether projects carried out by the flood prevention district will count toward a work-in-kind credit. However the district's planned projects have been identified by the U.S. Army Corps of Engineers as work

needed to bring the levees to the 500-year protection level.

Final approval of the projects might be as much as two years away, even though the district is confident the projects would be accepted.

“We don’t want to wait two years and do nothing,” Etwert said. “It’s too important of an issue, you never know when the 500-year flood will come. The sooner you can get work done, the better.”

How much the district can borrow is based on how much revenue it receives from a 25 percent sales tax, and on interest rates, which are at historic lows.

“If rates go up higher, we’ll borrow less,” Etwert said. “We have to wait and see.”

Before the flood prevention district issues the bonds, the action has to be approved by the St. Clair, Madison and Monroe county boards.

Terry Liefer, chairman of the Monroe County Board, said he expects his board to review the request within the next month.

He said he expects Monroe County Board members to give their blessing to the bond issue.

Madison County Administrator Joseph Parente said he expected his county board to consider the bond resolution in October.

“The board just needs to pass the same resolution the flood prevention district passed,” Parente said. “The board has been committed to the project.”

The St. Clair County Board is scheduled to review the request next week.

St. Clair County Administrative Adviser Dan Maher, who also sits on the flood prevention council, said the bond sale is expected to take place in November.

He added the district will need a bond rating, and rating agencies will look at whether the state could withhold money from the district.

“We should do fairly well on our bond rating because the state can’t interfere with the sales tax,” Maher said.

In 2010, the flood prevention district took out \$94 million in bonds to help with work along the levees to bring them up to a 100-year flood level.

"It was always the intent of council to do two separate bond issues, and possibly a third if the need should arrive," Maher said.

The district will stay in existence until all of the debt is paid off.

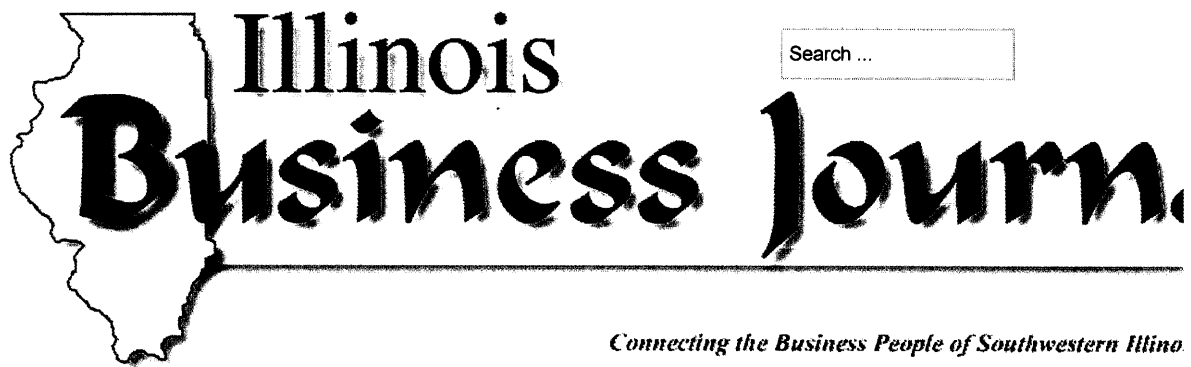
Etwert said almost all of the work to bring the levees to a 100-year flood level should be done by the end of the calendar year.

So far \$36.5 million of \$61.2 million of work has been completed, Etwert said.

Restoring the levees to the 100-year flood level allows them to be accredited by the Federal Emergency Management Agency and avoids higher flood insurance rates for area property owners.

The Army Corps of Engineers has the authority to increase the levee protection level to the 500-year flood level, but doing so depends on funding.

Contact reporter Joseph Bustos at jbustos@bnd.com or 618-239-2451. Follow him on Twitter: @JoeBReporter.



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Key portion of levee still on drawing board

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By **ALAN J. ORTBALS**

Restoration work on the levee system protecting the American Bottom is behind schedule and no one knows when the entire system will be completed.

Some of the projects are being carried out by the Southwest Illinois Flood Protection District and are fully funded and underway. Those projects were scheduled for completion by May of this year but have been delayed due to problems acquiring easements from private property owners and the high river levels on the Mississippi River this summer, according to Chuck Etwert, the district's chief engineer.

"Everything is under construction right now," said Etwert. "We've already completed three of the projects and we expect another to be completed by the end of September; two more by the end of the year; one should be finished in March, and the last by May of next year. We hope to have the FEMA accreditation by the end of 2016. We were hoping to have it done by the end of 2015 but with the delays we've gotten pushed back."

More troubling, however, is work on a stretch of the levee that is the full responsibility of the U.S. Army Corps of Engineers. That 8,000-foot portion of the Wood River Levee runs from the Mel Price Locks and Dam upstream to the Alton Marina. In 2009, Col. Thomas O'Hara Jr., then-commander of the Corps' St. Louis District, held a meeting with local elected officials to explain the problem and the Corps' proposed solution. The area suffers from under seepage due to design flaws when the dam was moved downstream in 1990. While some under seepage is not unusual with levees, this was different, according to the Corps.

"This is the only levee we're aware of within the Mississippi Valley Division that under normal operating conditions is moving both water and material," Chris Wilson, the Corps' program manager for the Metro East Levees Program, was quoted as saying at that meeting. "That condition compels urgency. The levee is not at imminent risk of failure today, but it does require immediate attention. It's a problem that won't fix itself."

The planned solution was to install a cut off wall as deep as 140 feet to prevent under seepage. The plan was initially approved by the Corps' regional headquarters, said Corps spokesperson Mike Petersen, but had to be nixed when exploratory drilling discovered large boulders in the way.

"We had a plan approved to construct a deep cut off wall with relief wells along that segment of the levee," Petersen said. "It was planned to go as deep as 140 feet. We got our funding in 2013 and started doing the exploratory drilling necessary to do a complete design. During the exploratory drilling we discovered that there were boulders as big as a Volkswagen Beetle in this stretch of the levee. When we discovered those boulders, we decided we needed to talk to people in the construction industry who specialize in deep cut off walls. Through workshops with people in the industry, we determined that cut off walls would not be a viable option. That sent us back to the drawing board."

And the Corps is still at the drawing board. Petersen said that Corps engineers are currently working on a permanent solution that would restore that section of the levee to the 500-year flood protection standard, but they don't expect to be able to complete that plan and get headquarters approval for another year.

In the meantime, the Corps has installed instrumentation to better understand the under seepage problem and has developed an interim solution that can be employed when high water levels require it.

"In 2014 we had a pretty serious flood and we used air compressors to push water through the relief well system more quickly," Petersen said. "The effect on the pressure on the levee is about the same as reducing the water level 4 feet. By making the relief wells work at a faster rate, it reduces the pressure of under seepage. They run an air hose down into the relief well and percolate the water up at a faster rate, reducing the pressure on the system. It's a

very innovative approach. We put it into effect twice in 2014. This year we had the compressors on standby and ready to go but didn't need to use them. It's expensive but it's effective in reducing pressure on the levee. The instrumentation that we've installed shows us how well this system performs and it performs really well."

That interim solution may have to work for quite a while. Once the Corps develops its permanent solution and gets it approved by headquarters, there is no money to fund construction—an amount that has not yet been determined. Funding, Petersen said, would depend on the budgeting cycle.

"We want to make sure that we can reduce risk," Petersen said. "There's a huge value behind that levee in human lives plus more than \$7 billion in property and infrastructure. There's a lot to protect. While we're waiting for the permanent fix, the interim operating plan really does deliver that risk reduction."

Etwert does not expect the lack of a permanent fix on the upper Wood River levee to hold up FEMA accreditation, however.

"The Corps is doing the certification for that portion of the levee system," Etwert said, "and FEMA is willing to accept their certification which includes the Corps of Engineers providing an interim flood-fighting operation plan during periods of high water until the Corps can build a permanent solution. It's one federal agency accepting that another federal agency will take care of the situation."



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for October 2015
Date: October 19, 2015

During the month of September \$2.8 million dollars' worth of construction was completed, our largest month since October 2014. The total amount of construction completed is now \$41.3 million.

We will have two change order items on this month's agenda. The first item concerns four change orders involving BP #3 for Farm Drain Pipe System, for Tree Mitigation, and for Relief Well Modifications. Amec Foster Wheeler will be explaining them at the meeting.

The second change order item involves BP #2B and relates to the change orders authorized last month to BP #4 and BP #5 replacing the High Density Polyethylene Pipe (HDPE) with Reinforced Concrete Pipe (RCP), the replacement of HDPE pipe at pump station site 05, and erosion protection at pump station sites 10 and 16. All three of these change orders are still being negotiated with the contractor as the agenda package is being sent out. If negotiations are concluded and found to be acceptable to Amec Foster Wheeler by the time of the meeting, details and costs will be presented to the Board for consideration. If not concluded, this item will be delayed to the November meeting.

The change orders authorized last month to BP #4 and BP #5 are still being finalized. The Corps of Engineers review and determination of acceptability of Amec Foster Wheeler's submittal of design changes and alternatives has taken longer than anticipated. The contractors have recently received the finalized changes and are preparing revised costs.

Amec Foster Wheeler is currently reviewing the USACE's Draft Solicitation for the Wood River Shallow Cutoff Wall Phase 2 which is based on the utilization of a Best Value Tradeoff approach instead of a Lowest-Price Technically Acceptable approach. Comments will be submitted prior to the October 23rd deadline. The factors and relative order on importance appear to be reasonable.

The Corps has confirmed that no detailed information regarding the proposals received for the solicitation will be made public. After the award is made, the selected offeror, along with the corresponding price, whether a PLA is included, and the number of proposals received is the only information that will be made public.

Amec Foster Wheeler will present their Work Order for the East St. Louis 126-inch Sewer Removal at MESD Levee, which has been discussed at the last two Board meetings. This is a critical repair that must be completed, in order, to not delay the certification process.

Per the schedule outlined to the Board in May, Mr. Jeff White of Columbia Capital Management will be at this month's meeting to discuss the resolution permitting issuance of the Sales Tax Revenues Bonds, Series 2015, subject to certain parameters. Ms. Sara Kotthoff of Thompson Coburn, bond counsel, will also be in attendance.

Also, on the agenda is authorization to allow the Corps to conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for East St. Louis (MESD) Levee System, if Amec Foster Wheeler determines this would be in the best interest of the Council. The Corps is currently performing the same in the Upper Wood River Levee System.

There will be an executive session regarding Investments at the end of the meeting.

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



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

Monthly Project Progress Report October 2015

AMEC FOSTER WHEELER Project No. 563170001
Period Ending Date: October 9, 2015

Date of Issue: October 16, 2015

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1. OVERVIEW

1.1 Project Description

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

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

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

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

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

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

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

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

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

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

1.2 Amec Foster Wheeler Scope

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

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

1.3 Key Contacts / People

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

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

2.1 HSSE Reports

Health/Safety		
<p>The Contractors continue to conduct weekly toolbox safety talks.</p> <p>Amec Foster Wheeler continues to conduct monthly safety meetings with the contractors every third Tuesday.</p>		
Security		
<p>No issues during this reporting period.</p>		
Environment (SWPPP)		
<p>An Amec Foster Wheeler environmental representative is inspecting the SWPPP efforts on a weekly basis.</p>		
River Stage Restrictions		
<p>The USACE 408 permit dictates that excavations shall cease when the Mississippi River Stage is:</p>		
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)
<p>The 408 permit Mississippi River restrictions have ceased and critically delayed excavation, well drilling, etcetera from May 27, 2015 to the first week of August.</p>		

3. PROJECT STATUS UPDATE

3.1 Bid Package 2A

3.1.1 Calendar

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

3.1.2 Progress

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

3.1.3 Property Acquisition

- The construction portion of the project is complete.

3.1.4 Levee Board Considerations

- None

3.1.5 Submittals

- Contractor submittals complete.

3.1.6 Change Orders

- See Change Order Log attached. The construction portion of the project is complete.

3.1.7 Field Activities and Look Ahead

- The construction portion of the project is complete.

3.1.8 QC/QA Activities

- The construction portion of the project is complete.

3.1.9 Considerations

- The construction portion of the project is complete.

3.1.10 Payment Progress

- See Contract Invoice Log attached. The project is complete and the retainage is released.

3.2 Bid Package 2B

3.2.1 Calendar

Bid Date:	October 1, 2013
Contract executed	December 16, 2013
Schedule received	December 17, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 24, 2014
Anticipated completion date	<i>April 15, 2015 (Contract Completion Date)</i>
Final Walk Through	Awaiting the potential Site 5 warranty issue resolution and bank erosion issues at site 10 and Site 16.
Final Acceptance	

3.2.2 Progress

- The construction portion of the project is complete.
- Close-out paperwork being processed.
- Retainage will not be released until the Site 5 issues are resolved
- Amec Foster Wheeler is in discussions with Contractor on replacement pipe and erosion control items.

3.2.3 Property Acquisition – All property is acquired.

3.2.4 Levee Board Considerations – None

3.2.5 Submittals

- Final project closeout submittals being reviewed by Amec.

3.2.6 Change Orders – See Change Order Log attached.

- American Foster Wheeler in discussions with Contractor on replacement pipe and erosion control items.

3.2.7 Field Activities and Look Ahead

- None other than previously mentioned.

3.2.8 QC/QA Activities

- None at this time

3.2.9 Considerations

- None

3.2.10 Payment Progress

- See Contract Invoice Log attached.

3.3 Bid Package 2C

3.3.1 Calendar

Bid Date:	November 12, 2014
Contract executed	February 9, 2015
Schedule received	
Anticipated start of field activities	October 15, 2015
Start of field activities	
Anticipated completion date	<i>December 15, 2015 (Contract Completion Date)</i>
Final Walk Through	
Final Acceptance	

3.3.2 Progress

- The contract was executed on February 9, 2015.
- The Notice-to-Proceed was issued on March 5, 2015
- Contractor preparing and Amec is reviewing submittals.
- The site work cannot begin until October 15th per the 408 permit.
- Site work demolition began October 15, 2015.

3.3.3 Property Acquisition

- All property is acquired.

3.3.4 Levee Board Considerations

- None

3.3.5 Submittals

- AMEC reviewing submittals as received.

3.3.6 Change Orders

- Floor drain revisions to the valve vault.

3.3.7 Field Activities and Look Ahead

- Site work demolition began October 15, 2015.

3.3.8 QC/QA Activities

- SCI on-site to test material as required.

3.3.9 Considerations

- None

3.3.10 Payment Progress

- None

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	Various field activities have started
Start of field activities	
Anticipated completion date	<i>Upper Wood River Completion substantial completion on October 15, 2015. This completion date was delayed due to design modifications, river, weather and land acquisition. Keller evaluating a recent major design revisions and will submit an updated schedule once the change orders are approved.</i>
Final Walk Through	
Final Acceptance	

3.4.2 Progress

Upper Wood River:

- Blanket Drain 2 – Substantially complete on September 18, 2015.
- 33 Piezometer installations are complete. Transducers are being monitored.
- Blanket Drain 3 construction and Weir 1 - Substantial Completion on May 13, 2015.
- Blanket Drain 1 - Substantially complete on October 15, 2015.
- The manhole excavations in Russell Commons have encountered trash/debris. This will lead to a change order.

Lower Wood River:

- Union Pacific land acquisition is complete and NTP was issued on June 10, 2015:
- Blanket Drain 6, Seepage Berms 1-4, and random fill areas 1 & 2 can now begin as weather and river elevation permit.
- The clearing for Random Fill Areas 1 & 2 have begun.
- Relief Wells – As of September 10, 2015, there are 26 out of 67 Lower Wood River Relief Wells installed.
- Various “Hartford” pilot holes (18) are drilled and relief wells are being designed.
- Blanket Drain 5 & 7 and weir 4 was Substantial Completion on July 31, 2015.
- Blanket Drain 4 - Critical Delay - Amec Foster Wheeler Engineering revising the scope of work.

3.4.3 Property Acquisition

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

3.4.4 Levee Board Considerations

- None other than previously mentioned.

3.4.5 Submittals

- Submittal process ongoing.

3.4.6 Change Orders

- Major Upcoming Change Orders:
 - Modifications to Blanket Drain 4. Contractor to provide schedule for completion once the modifications have been approved.
- See Change Order Log attached.

3.4.7 Field Activities and Look Ahead

- As indicated above.

3.4.8 QC/QA Activities

Testing as required.

3.4.9 Considerations

- Critical Delay: Current contract completion date was not met due to land acquisition delays, etcetera.

3.4.10 Payment Progress

- See Contract Invoice Log attached.

3.5 Bid Package 4

3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	<i>On hold until the NTP on the HDPE to concrete pipe is resolved (RW collector system)</i>
Final Walk Through	
Final Acceptance	

3.5.2 Progress

- Clay cap earthwork was started on August 17, 2015 and is about 80% complete. Clay cap work was put on hold until the pipeline issues are resolved.
- Site 09 pump station is complete except fencing around the station.
- RW collector system – Amec Foster Wheeler working with contractors.

3.5.3 Property Acquisition – All property is acquired.

3.5.4 Levee Board Considerations

- None

3.5.5 Submittals – on-going

3.5.6 Change Orders

- See Change Order Log attached.

3.5.7 Field Activities and Look Ahead

- See above

3.5.8 QC/QA Activities

- Clay material testing is on-going.

3.5.9 Considerations

- None

3.5.10 Payment Progress

- See Contract Invoice Log attached.

3.6 Bid Package 5

3.6.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 17, 2014
Anticipated completion date	<i>September 30, 2015 (Contract Completion Date). Completion date dependent on the protruding clay cap value engineering direction. The schedule to be revised accordingly. On hold until the NTP on the HDPE to concrete pipe is resolved (RW collector system)</i>
Final Walk Through	
Final Acceptance	

3.6.2 Progress

- The 208,000 cubic yards of clay placement is on-hold as Amec Foster Wheeler evaluates a potential protruding clay cap value engineering proposal.
- Relief Wells and Piezometers - Relief Well and Piezometer work complete. Transducers to be installed in the Piezometers.
- RW collector system – Amec Foster Wheeler working with the contractor.
- Sluice Gate rehabilitation at MoPac and 408 Pump Station in on-going.

3.6.3 Property Acquisition

- All property is acquired.

3.6.4 Levee Board Considerations

- None.

3.6.5 Submittals

- Submittal process underway.

3.6.6 Change Orders

- See Change Order Log attached.

3.6.7 Field Activities and Look Ahead

- See above table

3.6.8 QC/QA Activities

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

3.6.9 Considerations

- None other than previously mentioned.

3.6.10 Payment Progress

- See Contract Invoice Log attached.

3.7 Bid Package 6

3.7.1 Calendar

Bid Date:	June 11, 2013
Contract executed	October 3, 2013
Schedule received	October 31, 2013
Anticipated start of field activities	November 11, 2013
Start of field activities	November 19, 2013
Anticipated completion date	<i>September 30, 2015 (Contract Completion Date)</i>
Final Walk Through	
Final Acceptance	

3.7.2 Progress

- Seepage Berms (~90% complete) – work continues as weather allows.
- Clay Caps installation complete.
- Relief Wells and Piezometers - Relief well drilling complete (67).
- 15 of 16 PZs are complete.
- Relief well collector system is 95% complete.

3.7.3 Property Acquisition - all property is acquired.

3.7.4 Levee Board Considerations - None

3.7.5 Submittals – on-going

3.7.6 Change Orders – See Change Order Log attached

3.7.7 Field Activities and Look Ahead – See above

3.7.8 QC/QA Activities - ABNA is testing material; Geotechnology performing QA testing

3.7.9 Considerations - None

3.7.10 Payment Progress - See Contract Invoice Log attached

3.8 Bid Package 7A

3.8.1 Calendar

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

3.8.2 Progress

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

3.8.3 Property Acquisition – Not applicable

3.8.4 Levee Board Considerations - None

3.8.5 Submittals – on-going

3.8.6 Change Orders - See Change Order Log attached

3.8.7 Field Activities and Look Ahead

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

3.8.8 QC/QA Activities – None

3.8.9 Considerations - None

3.8.10 Payment Progress – See Contract Invoice Log attached.

3.9 Bid Package 7B

3.9.1 Calendar

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

3.9.2 Progress

- TREVIICOS received Notice-to-Proceed June 9, 2015
- Pre-Construction Meeting held June 15, 2015
- Treviicos mobilizing July 2015 and continuing into August.
- Work Progress:
 - Treviicos and subcontractors have cleared and grubbed
 - Treviicos installed silt fence
 - Treviicos installing access roads.
 - Treviicos completing the plant setup.
 - Work Platform installation in progress.
 - Piezometer and inclinometer installation in progress.
 - Test panels (3 primaries and two secondary) are complete.

3.9.3 Property Acquisition

3.9.4 Levee Board Considerations

3.9.5 Submittals – Once contract is signed.

3.9.6 Change Orders - See Change Order Log attached

3.9.7 Field Activities and Look Ahead – see above.

3.9.8 QC/QA Activities – Geotechnology performing QA testing.

3.9.9 Considerations – None at this point.

3.9.10 Payment Progress – See Contract Invoice Log attached.

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP2A

Original Contract Amount: \$747,500.00
Change Order #1: \$2,245.00 Limitorque Actuator
Change Order #2: \$7,730.00 Additional Road Aggregate
Change Order #3: \$434.00 Monroe County Building Permit
Change Order #4: \$0.00 Contract Time Extension
Change Order #5: \$0.00 Contract Time Extension 2
Change Order #6: \$0.00 Contract Time Extension 3
Change Order #7: \$5,189.21 Additional Rock and Testing
Change Order #8: \$34,501.32 Stumpf Property Pipe Extension
Total Change Order Amount: \$50,099.53
Total Revised Contract Amount: \$797,599.53

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained	Current Payment Invoice	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
<u>1</u>	11/15/2013	11/27/2013	\$11,000.00	\$1,100.00	\$9,900.00	\$9,900.00	11/1/2013	\$737,600.00
<u>2</u>	2/5/2014	2/10/2014	\$76,000.00	\$7,600.00	\$68,400.00	\$58,500.00	2/18/2014	\$679,100.00
<u>3</u>	3/6/2014	3/13/2014	\$228,500.00	\$22,850.00	\$205,650.00	\$137,250.00	3/25/2014	\$541,850.00
<u>4</u>	3/31/2014	4/15/2014	\$372,400.00	\$37,240.00	\$335,160.00	\$129,510.00	4/22/2014	\$420,504.00
<u>5</u>	4/30/2014	5/13/2014	\$432,500.00	\$43,250.00	\$389,250.00	\$54,090.00	5/22/2014	\$366,414.00
<u>6</u>	5/31/2014	6/10/2014	\$635,890.00	\$50,742.00	\$585,148.00	\$195,898.00	6/19/2014	\$170,516.00
<u>7</u>	6/30/2014	7/14/2014	\$684,000.00	\$53,147.00	\$630,853.00	\$45,705.00	7/17/2014	\$124,811.00
<u>8</u>	7/31/2014	8/12/2014	\$753,929.00	\$37,895.45	\$716,033.55	\$85,180.55	8/19/2014	\$39,630.45
<u>9</u>	8/31/2014	9/9/2014	\$759,118.21	\$37,895.45	\$721,222.76	\$5,189.21	9/15/2014	\$41,875.45
<u>10</u>	11/30/2014	12/12/2014	\$797,599.53	\$38,094.45	\$759,505.08	\$38,282.32	12/18/2014	\$38,094.45
<u>11</u>	12/31/2014	1/15/2015	\$797,599.53	\$1,800.00	\$795,799.53	\$36,294.45	1/26/2015	\$1,800.00
<u>12</u>	3/31/2015	4/10/2015	\$797,599.53	\$0.00	\$797,599.53	\$1,800.00	4/16/2015	\$0.00

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP2A

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

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

*Board approval required

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP2B

Original Contract Amount: \$3,865,405.00
Change Order #1: \$434.00 Monroe County Building Permit
Change Order #2: \$7,965.00 Additional Road Aggregate
Change Order #3: \$0.00 Fence and Aggregate Changes
Change Order #4: \$8,570.00 Razor Wire on Fence per MESD Request
Change Order #5: \$0.00 Contract Time Extension
Change Order #6: \$50,600.00 Site 16 Duct Bank
Change Order #7: \$4,760.00 Site 12 Existing Force Mains
Change Order #8: \$74,200.00 Site 10 Electrical Changes
Change Order #9: \$0.00 Time Extension
Change Order #10: \$10,276.92 Site 12 Guard Rail
Total Change Order Amount: \$156,805.92
Total Revised Contract Amount: \$4,022,210.92

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		\$10,000.00

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
Total of Project Change Orders										Total	\$ 156,805.92
Original Contract Amount			Revised Contract Amount			% Change from Original Amount					
\$3,865,405.00			4,022,210.92			4.06%					

Approved

*Board approval required

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP2C

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

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)

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

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 3.02 3.09 3.16 3.23 3.25 3.26 3.29 3.36 3.37	\$1,884,009.24	29.62%	5.54%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
10*	Blanket Drain 2 Revisions & RW 1077 to 1080 Changes	Other	\$477,917.72	\$0.00				4.74%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15; change order pending credit before processing
11	Blanket Drain 1 Revisions	Other	\$ (59.97)	\$0.00	3.08	\$ 15,160.00	-0.40%	0.00%	2/26/2015	Approved	Revised limits of Blanket Drain 1 and change surface aggregate material
12*	Toe Wall and Handrails Wiers 2, 3, and 4	Field	\$ 60,362.00	\$0.00	3.48 3.49 3.50	\$ 381,000.00	15.84%	0.60%	4/15/2015	Approved	Toe wall for additional structural support due to the field conditions and soil types the weirs are being installed in. The toe walls were added to mitigate this potential failure. Handrails were added to the weirs as a result of OSHA regulations and for added maintenance personnel safety during inspections and flood events.
13*	Additional Pollution Coverage UPRR	Other	\$ 6,825.00	\$0.00	3.01	\$ 498,000.00	1.37%	0.07%	8/19/2015	Approved	Additional Pollution Coverage required by Union Pacific Railroad

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
14*	Pilot Hole Drilling	Other	\$ 28,950.00	\$0.00	3.32	\$ 147,604.20	19.61%	0.29%	8/19/2015	Approved	Actual field conditions may vary and it is recommended by the project geotechnical lead to add to this number for potential field variations. Therefore the anticipated pilot hole increase is for an additional 300 feet. Board approval required
					3.18 3.20 3.23 3.25 3.26						
15*	Hawthorne Pipe Changes	Field	\$ (9,729.58)	\$0.00		\$ 414,895.57	-2.35%	-0.10%	9/16/2015	Approved	Hawthorne Pipe Changes; Board approval required
16*	Russell Commons Buried Waste Part A & B	Field	\$ 132,710.00	\$0.00	NA	NA	NA	1.32%	9/16/2015	Approved	Russell Commons Buried Waste backfill, testing, material handling; Board approval required
17*	Relief Well Construction Obstruction	Other	\$257,694.47	\$0.00	3.38 3.39	\$3,507,071.90	7.35%	2.56%	10/9/2015	Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 3/18/15 Board approved budget
	Time Extension	Other								Pending	Anticipated change order to extend contract time due to land acquisition impact on construction
Total of Project Change Orders \$1,877,345.28										Total	\$ 1,877,345.28

Original Contract Amount \$10,082,345.00
 Revised Contract Amount 11,959,690.28
 % Change from Original Amount 18.62%

*Board approval required

CONTRACT INVOICE LOG

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

Project: SWILCD
Construction Package: BP04

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

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

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP04

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Flight Pump and Locking Sewer Lids	Other	\$0.00	\$8,196.30	4.27	\$ 222,500.00	3.68%	0.26%	3/11/2014	Approved	To be paid by MESD Levee District
2	PVC Fence Panel Fillers	Field	\$949.90	\$0.00	4.22	\$ 140,360.00	0.68%	0.03%	4/4/2014	Approved	To accommodate field condition
3	Furnish and Install Fence Grounding	Field	\$10,488.00	\$0.00	4.22	\$ 140,360.00	7.47%	0.33%	4/17/2014	Approved	Ameren required fence to be grounded; grounding to be every 200ft with 20ft ground rod
4	2 Additional Posts in Concrete per Phillips 66 Request	Field	\$1,533.00	\$0.00	4.22	\$ 140,360.00	1.09%	0.05%	6/17/2014	Approved	2 Additional posts per P66 request
5	Time and material for new fence grounding	Field	\$2,127.35	\$0.00	4.22	\$ 140,360.00	1.52%	0.07%	7/17/2014	Approved	Change order for additional grounding needed as requested by Phillips 66; Time and material
6	Razor Wire on Fence	Other	\$0.00	\$2,402.40	NA	NA	NA	0.08%	8/20/2014	Approved	Razor wire on fence at pump station per MESD Levee District request; to be paid by MESD Levee District
7	Time Extension Request for Fence Delay and High River	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	8/27/2014	Approved	Contract time extension of 43 working days due to security fence approval delay and high river level days that impeded construction
8	Well Point Stainless Steel Pipe diameter change 1-1/4" to 2"	Field	\$1,656.00	\$0.00	4.16	\$ 878,900.00	0.19%	0.05%	9/15/2014	Approved	Well point stainless steel pipe diameter change from 1-1/4" to 2" to improve operability/constructability.
9*	Site 9 Electrical Changes	Other	\$54,680.20	\$0.00	4.28	\$ 222,500.00	24.58%	1.71%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 9. Board approval required
10	Work stoppage for impacted soil	Other	\$35,602.21	\$0.00	NA	NA	NA	1.12%	1/8/2015	Approved	Work stopped to perform testing due to encountering hydrocarbon odor
11	RW Construction Obstruction	Field	\$80,046.18	\$0.00	4.16	\$ 878,900.00	9.11%	2.51%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling
12	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract time extension to June 30, 2015
13	RW 141XB Re-design	Field	\$8,981.67	\$0.00	4.16	\$ 878,900.00	1.02%	0.28%	2/17/2015	Approved	60-slot RW re-design to 40-slot
14	Off-setting Outfall Line of RW 153X	Field	\$948.75	\$0.00	4.16	\$ 878,900.00	0.11%	0.03%	3/6/2015	Approved	Off-setting Outfall Line of RW 153X
15	Clay Cap Benching and Key Volume (3,437 CY)	Other	\$79,051.00	\$0.00	NA	NA	NA	2.48%	8/24/2015	Approved	Clay Cap Benching and Key Volume (3,437 CY) The Clay quantity for the benching was not included in the original BP04 bid tab
Total											\$ 286,662.96
Total of Project Change Orders			\$276,064.26	\$10,598.70							

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

*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
PROJECTBid 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

\$483,305.86

Total of Project Change Orders **\$463,607.08** **\$19,698.78**
 Original Contract Amount **8,739,787.70** % Change from Original Amount
\$8,256,481.84 **5.85%**

*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

Total Change Order Amount: \$2,225,847.36
Total Revised Contract Amount: \$15,082,975.11

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	12/1/2013	12/9/2013	\$85,500.00	\$8,550.00	\$76,950.00	\$76,950.00	12/20/2013	\$12,780,177.75
2	1/1/2014	2/10/2014	\$302,624.00	\$30,262.40	\$272,361.60	\$195,411.60	2/20/2014	\$12,584,766.15
3	2/3/2014	2/10/2014	\$1,082,723.00	\$108,272.30	\$974,450.70	\$702,089.10	2/20/2014	\$11,882,677.05
4	3/1/2014	3/14/2014	\$1,486,548.00	\$148,654.80	\$1,337,893.20	\$363,442.50	3/25/2014	\$11,519,234.55
5	4/1/2014	4/16/2014	\$2,819,792.90	\$281,979.29	\$2,537,813.61	\$1,199,920.41	4/22/2014	\$10,321,184.14
6	5/1/2014	5/13/2014	\$3,912,098.90	\$391,209.89	\$3,520,889.01	\$983,075.40	5/22/2014	\$9,338,108.74
7	6/1/2014	6/10/2014	\$4,741,611.90	\$474,161.19	\$4,267,450.71	\$746,561.70	6/19/2014	\$8,591,547.04
8	7/1/2014	7/14/2014	\$5,406,637.90	\$540,663.79	\$4,865,974.11	\$598,523.40	7/17/2014	\$8,125,833.24
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

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 (\$)
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		\$1,542,877.94

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	NA	NA	NA	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

Total \$ **2,225,847.36**

Total of Project Change Orders \$2,225,847.36
Original Contract Amount \$12,857,127.75
Revised Contract Amount \$15,082,975.11
% Change from Original Amount 17.31%

*Board approval required

CONTRACT INVOICE LOG

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

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

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

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFPDC-BP7A

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Temporary Boat Launch Access Road	Design	\$13,850.00	\$0.00	NA	NA	NA	0.45%	10/17/2014	Approved	C-105 & C-504 Drawing revision to include a temporary boat launch road
2*	Utility Conflicts	Field	\$108,897.50	\$0.00	0016	\$225,000.00	48.40%	3.54%	11/19/2014	Approved	Electrical and telephone utility conflicts; Board approval required
3*	Excavation Levee Slope and Crown Quantity Adjustment	Other	\$98,660.80	\$0.00	0009	\$ 89,503.20	110.23%	3.21%	12/17/2014	Approved	Excavation Levee Slope and Crown Quantity Adjustment. Board approval required (see memo for detail)
4	Slurry Trench Cutoff Wall Quantity Settlement	Other	\$66,693.00	\$0.00	0010 0011	\$669,584.00	9.96%	2.17%	3/10/2015	Approved	Slurry Trench Cutoff Wall Quantity Settlement
5	Contract Time Extension to June 26, 2015	Other	\$0.00	\$0.00	0	\$ -	0.00%	0.00%	3/10/2015	Approved	Contract Time Extension to June 26, 2015 due to weather needed for clay placement
6	Site demolition and restoration as required by City of Alton	Other	\$7,500.00	\$0.00	0007	\$315,818.00	2.37%	0.24%	5/15/2015	Approved	Crack fill, seal, and stripe the entire Alton Marina Parking lot, as required by the City of Alton.
7	Clay Cap Volume Change	Field	\$3,540.25	\$0.00	0013	\$860,370.00	0.41%	0.12%	7/9/2015	Approved	Clay Cap Volume Change
			Total of Project Change Orders	\$299,141.55	\$0.00					Approved	\$ 299,141.55
			Original Contract Amount	\$3,076,208.70				% Change from Original Amount			
			Revised Contract Amount	\$3,375,350.25				9.72%			

*Board approval required

CONTRACT INVOICE LOG

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

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

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

Payment Request No.	Pay Request Date (Period To:)	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	6/30/2015	7/16/2015	\$350,000.00	\$35,000.00	\$315,000.00	\$315,000.00	7/20/2015	\$13,676,000.00
2	7/31/2015	8/12/2015	\$616,339.20	\$61,633.92	\$554,705.28	\$239,705.28	8/20/2015	\$13,436,294.72
3	8/31/2015	9/11/2015	\$1,561,850.70	\$156,185.07	\$1,405,665.63	\$850,960.35	9/16/2015	\$12,585,334.37
4	9/30/2015	10/13/2015	\$3,045,825.87	\$304,582.59	\$2,741,243.28	\$1,335,577.65		\$11,249,756.72

TITLE: CONSTRUCTION CHANGE ORDER LOG

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

PROJECT NUMBER: SIFDC-BP7B (Re-Bid)

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

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

*Board approval required



Memo to: Board of Directors
From: Chuck Etwert
Subject: Budget and Disbursement Report for September 2015
Date: October 19, 2015

Current Budget Highlights

Attached is the financial statement for September 2015 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending September 30, 2015, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$39,905,626 while revenues amounted to \$11,652,086 resulting in a deficit of \$28,253,540. A total of approximately \$24,176,234 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 July 2015 (the latest month reported by the Illinois Department of Revenue) were up .43% from the previous year. In general, receipts are up .51% from last year, which was our highest year.

Monthly Disbursements

Attached is the list of bank transactions for September 2015. Total disbursements for the month were \$2,098,574.55. The largest payments were to TREVIICOS South for BP #7B, Keller Construction for BP #3 and BP #5, Haier Plumbing for BP #4, Amec Foster Wheeler, and Husch Blackwell.

Recommendation:

Accept the budget report and disbursements for September 2015.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

TWELVE MONTHS ENDING SEPTEMBER 30 2015 AND 2014



CliftonLarsonAllen

CliftonLarsonAllen LLP
www.cliftonlarsonallen.com

Board Members
Southwestern Illinois Flood Prevention District Council
Collinsville, Illinois

We have compiled the accompanying General Fund Statement of Revenues and Expenditures – Budget and Actual of Southwestern Illinois Flood Prevention District Council (the “Council”) for the twelve months ended September 30, 2015 and 2014. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

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

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

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

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

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

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

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

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 2015 and 2014, have not been compiled or examined by us, and, accordingly, we do not express an opinion or any other form of assurance on them.

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

A handwritten signature in cursive script that reads "Clifton Larson Allen LLP".

CliftonLarsonAllen LLP

St. Louis, Missouri
October 9, 2015

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

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 11,378,530	\$ (183,530)
Interest Income	60,000	60,000	273,556	(213,556)
Other Contributions	-	-	-	-
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>11,652,086</u>	<u>(397,086)</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	2,912,215	5,218,835
Construction	45,791,362	45,791,362	26,860,281	18,931,081
Construction and design by US ACE	-	-	-	-
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>29,772,496</u>	<u>24,149,916</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	287,219	(71,219)
Diversity Program Manager	64,140	64,140	64,380	(240)
Construction Oversight	-	-	-	-
Other	-	-	-	-
Impact Analysis/Research	-	-	-	-
Financial Advisor	120,000	120,000	28,801	91,199
Bond Underwriter/Conduit Issuer	-	-	9,778	(9,778)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>390,178</u>	<u>9,962</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	1,523,763	358,717
Monroe County	197,080	197,080	159,525	37,555
St. Clair County	1,920,440	1,920,440	1,554,490	365,950
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>3,237,778</u>	<u>762,222</u>
Debt Service				
Principal and Interest	7,101,239	7,101,239	7,101,239	-
Federal Interest Subsidy	(844,610)	(844,610)	(843,700)	(910)
Total Debt Service	<u>6,256,629</u>	<u>6,256,629</u>	<u>6,257,539</u>	<u>(910)</u>
Total Operating Expenses	<u>64,579,181</u>	<u>64,579,181</u>	<u>39,657,991</u>	<u>24,921,190</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	193,656	12,344
Advertising	-	-	-	-
Bank Service Charges	1,500	1,500	1,472	28
Conference Registration	500	500	311	189
Equipment and Software	2,000	2,000	25	1,975
Fiscal Agency Services	26,500	26,500	27,200	(700)
Audit Services	15,000	15,000	14,500	500
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	358	42
Printing/Photocopies	2,500	2,500	2,890	(390)
Professional Services	20,000	20,000	191	19,809
Publications/Subscriptions	250	250	117	133
Supplies	1,500	1,500	2,982	(1,482)
Telecommunications/Internet	2,500	2,500	2,507	(7)
Travel	7,500	7,500	458	7,042
Insurance	1,000	1,000	968	32
Total General & Administrative Costs	<u>288,150</u>	<u>288,150</u>	<u>247,635</u>	<u>40,515</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>39,905,626</u>	<u>24,961,705</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(28,253,540)	25,358,791
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (28,253,540)</u>	<u>\$ 25,358,791</u>

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

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,237,000	\$ 11,237,000	\$ 11,167,073	\$ 69,927
Interest Income	650,000	650,000	766,765	(116,765)
Other Contributions	-	-	100,000	(100,000)
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>12,033,838</u>	<u>(146,838)</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	4,000,000	4,000,000	4,453,600	(453,600)
Construction	60,000,000	60,000,000	15,779,225	44,220,775
Construction and design by US ACE	1,000,000	1,000,000	2,477,634	(1,477,634)
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>22,710,459</u>	<u>42,289,541</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	173,720	36,280
Construction Oversight	210,000	210,000	189,875	20,125
Other	-	-	-	-
Impact Analysis/Research	-	-	2,856	(2,856)
Financial Advisor	40,000	40,000	25,426	14,574
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>391,877</u>	<u>168,123</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	2,763,768	(493,368)
Monroe County	220,800	220,800	275,887	(55,087)
St. Clair County	2,308,800	2,308,800	2,776,248	(467,448)
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>5,815,903</u>	<u>(1,015,903)</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	7,102,339	5,101
Federal Interest Subsidy	(910,140)	(910,140)	(844,610)	(65,530)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>6,257,729</u>	<u>(60,429)</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>35,175,968</u>	<u>41,381,332</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	205,850	(13,519)
Advertising	-	-	-	-
Bank Service Charges	600	600	1,514	(914)
Conference Registration	500	500	372	128
Equipment and Software	4,000	4,000	1,768	2,232
Fiscal Agency Services	23,000	23,000	39,400	(16,400)
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	28	972
Postage/Delivery	400	400	314	86
Printing/Photocopies	2,500	2,500	2,328	172
Professional Services	20,000	20,000	8,663	11,337
Publications/Subscriptions	250	250	2,124	(1,874)
Supplies	1,500	1,500	2,188	(688)
Telecommunications/Internet	2,000	2,000	3,307	(1,307)
Travel	15,000	15,000	2,548	12,452
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>271,385</u>	<u>(7,304)</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>35,447,353</u>	<u>41,374,028</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES				
	(64,934,381)	(64,934,381)	(23,413,515)	41,520,866
OTHER FINANCING SOURCES				
Proceeds From Borrowing	10,000,000	10,000,000	-	10,000,000
NET CHANGE IN FUND BALANCE	<u>\$ (54,934,381)</u>	<u>\$ (54,934,381)</u>	<u>\$ (23,413,515)</u>	<u>\$ 31,520,866</u>

Flood Prevention District Sales Tax Trends 2009-2015

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

Flood Prevention District Sales Tax Trends 2009-2015

2013

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

2014

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

2015

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$399,500	\$390,593	\$446,269	\$464,703	\$481,304	\$486,423	\$453,262						\$3,122,054
St. Clair	\$379,901	\$383,206	\$462,400	\$425,254	\$455,740	\$483,020	\$432,378						\$3,021,898
Monroe	\$42,760	\$39,903	\$45,866	\$47,189	\$50,546	\$48,723	\$47,636						\$322,623
Total Month	\$822,161	\$813,702	\$954,534	\$937,146	\$987,590	\$1,018,166	\$933,276						\$6,466,575
Cumulative Total	\$822,161	\$1,635,863	\$2,590,397	\$3,527,543	\$4,515,133	\$5,533,299	\$6,466,575						
% change/month	6.64%	-0.70%	-1.05%	-0.51%	-0.81%	0.66%	0.43%						
% change/total	6.64%	2.86%	1.38%	0.87%	0.50%	0.53%	0.51%						

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
September 30, 2015**

Beginning Bank Balance September 1,		\$	368,655.80
Receipts			
UMB	09/09/2015 Refund AT & T Midwest		33,109.03
UMB	09/14/2015 Funds Transfer/Construction	1,722,287.36	
UMB	09/14/2015 Funds Transfer/Admin	52,749.09	
The Bank of Edwardsville	09/28/2015 United States Treasury	318,639.82	
The Bank of Edwardsville	09/30/2015 Funds transferred from UMB	103,209.98	
The Bank of Edwardsville	09/30/2015 September Interest	75.09	
			2,230,070.37
Disbursements			
Microsoft Office	09/01/2015 Subscription		0.99
Scheffel & Company, PC	09/01/2015 Professional Services	14,500.00	
Sprague & Urban, Attorneys at Law	09/01/2015 Legal & Legislative	450.00	
Smith Dawson & Andrews	09/01/2015 Professional Services	5,000.00	
CliftonLarsonAllen LLP	09/14/2015 Fiscal Agent	2,100.00	
Columbia Capital	09/14/2015 Financial Advisor	12,911.25	
East-West Gateway Council of Governments	09/14/2015 Supervisory Mgt Services	17,699.27	
Haier Plumbing	09/14/2015 Construction	186,300.00	
Marks & Associates	09/14/2015 Professional Services	3,590.00	
The Bank-Service Fees	09/14/2015 Wire Fee	10.00	
The Bank-Service Fees	09/14/2015 Wire Fee	10.00	
Cost Less Copy Center	09/15/2015 Board Member Materials	306.00	
AT & T	09/15/2015 Telephone	97.03	
Husch Blackwell	09/15/2015 Construction Legal	1,498.79	
Husch Blackwell	09/15/2015 Legal & Legislative	23,723.10	
Husch Blackwell	09/15/2015 Construction Legal	20,491.20	
CDW Government	09/16/2015 Office Supplies	388.40	
The Bank-Service Fees	09/16/2015 Wire Fee	15.00	
The Bank-Service Fees	09/16/2015 Wire Fee	15.00	
The Bank-Service Fees	09/16/2015 Wire Fee	15.00	
The Bank-Service Fees	09/16/2015 Wire Fee	15.00	
Keller Construcion Inc	09/16/2015 Construction	624,796.87	
The Lane Construction Corporation	09/16/2015 Construction	23,773.75	
TREVILCOS South	09/16/2015 Construction	850,960.35	
Keller Construcion Inc	09/16/2015 Construction	9,749.09	
Columbia Capital	09/21/2015 Financial Advisor	1,950.00	
Amec Foster Wheeler Environment & Infracore	09/28/2015 Design & Construction	255,571.58	
Dorgan, McPike & Assoc, LTD	09/28/2015 Legal & Legislative	3,000.00	
ABNA	09/30/2015 Design & Construction	8,953.15	
Juneau Associates	09/30/2015 Construction	5,347.49	
ABNA	09/30/2015 Design & Construction	1,155.00	
Juneau Associates	09/30/2015 Construction	24,163.54	
The Bank-Service Fees	09/30/2015 Bank Service Fees	17.70	
			2,098,574.55
		\$	500,151.62



Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #3

Date: October 19, 2015

Per the Board’s Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board. Board approval is also required on all change orders if the total of all change orders on a project exceed ten percent of a project’s original cost, which currently applies to Bid Packages 3, 4, 5, and 6.

We have three change orders on Bid Package 3 which Amec Foster Wheeler will be explaining at the meeting.

Bid Package 03 – Farm Drain Pipe System \$318,095.71

Drain tiles were discovered at an adjacent farm that outfalls into the ditches where fill is being placed against the railroad embankment in Roxanna, IL. It is recommended to pipe that drain out the end of our fill area in order not to disturb the installed improvements.

		Revised QTY	Unit Price	Additions
60"x60" Catch basin w/Agridrain BG24	EA	3	\$7,958.00	\$23,874.00
60" Dia Manhole w/ Agridrain BG24	EA	6	\$8,040.00	\$48,240.00
24" RCP	FT	811.54	\$84.86	\$68,867.28
36" RCP	FT	1162.32	\$124.00	\$144,127.68
PRC FES 24"	EA	3	\$1,400.00	\$4,200.00
Random Fill	CY	520	\$20.03	\$10,415.60
RR3 Rip Rap	CY	13	\$89.75	\$1,166.75
Seeding	Acre	1.57	\$1,260.00	\$1,978.20
Mulch	Acre	1.57	\$1,260.00	\$1,978.20
Concrete Bowl	SY	138	\$96.00	\$13,248.00

Total Additive Change Order \$318,095.71

Bid Package 03 – Tree Mitigation \$17,403.75

Tree Replacement Plan for Trees Removed Within the IDOT ROW. Tree removal is required in select areas (3 sites) within the IDOT right-of-way (ROW) for the planned improvements to the Wood River Levee System.

Additive Change Order

		Revised QTY	Unit Price	Additions
3 Gallon Trees 4 Native varieties Per Mitigation Plan	EA	195	\$85.00	\$16,575.00
Including watering & Maintenance for 1 year life guarantee				
Keller Markup 5%				\$828.75

Total Additive Change Order with Mac Wrap \$17,403.75

Bid Package 03 – Relief Well 1016 Modifications \$7,156.75

Relief well RW-1016 was originally planned to be a D-type (surface discharging) well for which a minor amount of surface re-grading was required to allow flow to disperse down toward the nearby ditch. After plans were drawn and the relief well design was complete, USACE completed some modification to the area, including placing fill to support a pump. These changes raised grade in the relief well area such that the area could not effectively be re-shaped to allow surface flow to the ditch. Therefore, the well top was changed to a T-type arrangement, with discharge flowing through a buried lateral line to the ditch.

		Revised QTY	Unit Price	Additions
D-Type Top Labor	EA	-1	\$200.00	-\$200.00
End Section & Flap gate	EA	1	\$4,800.00	\$4,800.00
12" SDR 26	FT	45	\$62.50	\$2,812.50
Modified Convert to Type T	EA	1	\$6,901.00	\$6,901.00

Subtotal \$14,313.50
 Negotiated % Deduct 50% -\$7,156.75
Total Additive Change Order \$7,156.75

Bid Package 03 – Relief Well 1064 and 1065 Modifications \$8,464.03

Due to an existing anhydrous ammonia line and the 48” concrete pipe encasement directly below the location of RW-1064, RW-1064 had to be moved ≈15’ to the west. The collector system piping also had to be moved across the existing access road, necessitating a pipe upgrade to concrete pipe and ductile iron pipe.

Deductive Change Order

	Orig. Qty	Unit Price	Deletions
			\$0.00
12" HDPE	-228.79	\$62.50	-\$14,299.38
			\$0.00
			\$0.00
			\$0.00
Total Deductive Change Order			-\$14,299.38

Additive Change Order

	Revised QTY	Unit Price	Additions
			\$0.00
12" RCP	104.65	\$79.00	\$8,267.35
12" DIP w/Partial CLSM Backfill	123.56	\$117.32	\$14,496.06
			\$0.00
			\$0.00
			\$0.00
Total Additive Change Order			\$22,763.41

Total Additional Cost to contract \$8,464.03

Recommendation: Authorize the Chief Supervisor to approve the requested change orders for the BP03 Farm Drain Pipe System \$318,095.71; BP03 Tree Mitigation \$17,403.75; BP03 Relief Well 1016 Modifications \$7,156.75; BP03 Relief Well 1064 and 1065 Modifications \$8,464.03 for a total not to exceed **\$351,120.24**.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Orders BP #2B

Date: October 19, 2015

Per the Board's Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board. Board approval is also required on all change orders if the total of all change orders on a project exceed ten percent of a project's original cost, which currently applies to Bid Packages #3, #4, #5 and #6.

We have three change orders on Bid Package 2B which Amec Foster Wheeler will be explaining at the meeting, if negotiations for the cost of the change order has been concluded and found to be acceptable to Amec Foster Wheeler.

Bid Package 2B – Concrete Lined Ductile Iron Pipe Replacing HDPE Pipe
Price being negotiated with Contractor.

At pump station Sites 10, 12, and 16, the incoming high-density polyethylene (HDPE) pipes into the respective pump stations are to be replaced with reinforced concrete pipe (RCP) or ductile iron pipe (DIP). At Sites 10, 12, and 16 the stub out of pipe (which is now connected to the adjacent collection system), will be replaced with RCP or DIP to the next manhole. Although the HDPE pipe material was approved to meet the FEMA flood event design, these pipe material changes are occurring to meet the design requirements for the Authorized Level Flood Event design. The U.S. Army Corps of Engineers St. Louis District will not allow HDPE pipe to act as a flood control feature as part of the approved Authorized Level Flood Event Design. By changing the pipe material from HDPE, a substantial amount of cutoff wall to bedrock in this area of the levee is anticipated to no longer be required; resulting in cost savings outweighing the cost of changing to RCP/DIP. The Board approved change orders to BP #4 and BP #5 last month for the replacement HDPE pipe with Reinforced Concrete Pipe.

Bid Package 2B – Site 05 HDPE Pipe Replacement

Price being negotiated with Contractor.

At Site 05 along the Prairie du Pont levee system, the existing 40 feet of HDPE pipe that the 2B contractor installed is being replaced with 40 feet of polypropylene pipe so that it is the same material as the rest of the collection system. The contractor (Bid Package 6) that installed the majority of the collection system upstream of the Site 05 pump station opted to use polypropylene pipe (triple-wall, corrugated polypropylene). This pipe replacement will involve removing the existing 40 feet of pipe, and replacing the seal at the Site 05 pump station where the pipe penetrates the pump station wall. The seal replacement at the Bid Package 05 is necessary due to the infiltration of material through the seal during the Spring 2015 flood event along the Mississippi River; during excavation, the seal failure will be investigated in an attempt to determine the cause of failure. The pipe will be backfilled with flowable fill (CLSM) in the same manner as the RCP/DIP along the MESD levee system.

Bid Package 2B – Levee Erosion Repairs

Price being negotiated with Contractor.

At pump station Sites 10 and 16, erosion protection is being installed to protect the levee toe from erosion. The erosion protection is riprap; a 30-in minimum layer of IDOT RR-6 is being added as the ground surface on top of a 12-in minimum layer of IDOT RR-2 and a geotextile layer. Any existing erosion will be backfilled with a layer of granular material and backfilled with clay in lifts, prior to placement of the rip rap protection. Any eroded sections will be filled with a 2 feet minimum IDOT CA-6 subbase and compacted clay in 8-in lifts to the ground surface. The riprap layers are to be placed above the compacted clay backfill sloping up to the outfall structure.

Recommendation: Authorize the Chief Supervisor to approve the requested change orders for the BP 2B Concrete Lined Ductile Iron Pipe Replacing HDPE Pipe, BP 2B Site 05 HDPE Pipe Replacement, and BP 2B Levee Erosion Repairs, with Korte & Luitjohan, if acceptable negotiated costs are determined and presented to the Board at the meeting. If negotiations on a change order are not concluded and found acceptable, that change order will be delayed to the November meeting for approval.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Amec Foster Wheeler Work Order 15
East St. Louis 126-inch Sewer Removal at MESD Levee

Date: October 19, 2015

As discussed during the program status reports the last two months, on August 5, 2015 the Council sent a letter to the City of East St. Louis and MESD, expressing our concern regarding the repair of a sinkhole at the East St. Louis 10.5 ft. diameter combined sewer located on the landside of the Metro East Sanitary District levee. This is a condition that has existed for quite some time and needs to be corrected in a timely manner, in order, to not delay the certification to FEMA process.

Amec Foster Wheeler was asked to prepare a cost estimate for the design and construction of the repair in case, the Council has to take action to resolve this situation with the intent to recover expenses. This is an important issue that needs to be taken care of prior to achieving certification.

Since the last meeting Mr. Alvin Parks, City Manager of East St. Louis, has contacted the Council and indicated that the City has no funds at this time for the repair, but committed to reimbursing the Council when funds become available.

Preliminary discussion have been held with the Corps of Engineers, and the solution to this situation is the removal of the 10.5 foot diameter sewer which crosses perpendicular to the MESD levee and replacing the section of levee that was removed. All work will be closely coordinated with the Corps for permitting this construction project as a maintenance project for the levee system, and not an alteration subject to a Section 408 review and approval.

At the meeting, Amec Foster Wheeler will present their Work Order 15 for the design and construction of the improvements to repair the sinkhole condition.

A detailed scope of work for Design and Bid Services is attached to this memo. The preliminary construction cost is estimated to be just under \$3.3 million.

Recommendation: Authorize the Chief Supervisor to execute Work Order 15 with Amec Foster Wheeler Environment & Infrastructure Inc. for the East St. Louis 126-inch Sewer Removal at MESD Levee, as shown in the attachment, in the amount of \$276,000.00



WORK ORDER NO: MSA01-WO15

East Saint Louis 126-inch Sewer Removal at MESD Levee – Design & Bid Phase Services

October 21, 2015,

By and Between

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler)

and

Southwestern Illinois Flood Prevention District Council (CLIENT)

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

1. SCOPE OF WORK: See Attachment A (incorporated herein by reference)
2. LOCATION/CLIENT FACILITY INVOLVED: Metro East Sanitary District Levee System

3. PERIOD OF PERFORMANCE: October 21, 2015 through December 31, 2016
4. AUTHORIZED FUNDING: \$276,000
5. SPECIAL PROVISIONS: n/a

Southwestern Illinois Flood Prevention District Council

Amec Foster Wheeler Environment & Infrastructure, Inc.

By: _____
Name: Charles Etwert
Title: Chief Supervisor of Construction and the Works

By: _____
Name: Jon Omvig
Title: St. Louis Office Manager

Date: _____
Address: 104 United Drive
Collinsville, IL 62234

Date: _____
Address: 15933 Clayton Road, Suite 215
Ballwin, MO 63011

Attachment A Scope of Work

WORK ORDER NO: MSA01-WO15

Amec Foster Wheeler's services include the review all available documents related to the 126-inch (10.5 foot) diameter sewer in East St. Louis, along the MESD levee system at approximately levee station 1112+50. Amec Foster Wheeler's services include preparation of complete bid documents for the Southwestern Illinois Flood Protection District Council (SIFPDC) to bid for the removal of the 10.5 foot diameter sewer, owned by the City of East St. Louis, crossing perpendicular to the MESD levee at levee station 1112+50.

Services to be provided by Amec Foster Wheeler under this Work Order include complete Construction Documents (drawings and specifications) and associated Design Services (computations, investigations, site visits, coordination meetings with stakeholders, cost estimates) for the design and construction of the removal of the 10.5 foot diameter sewer crossing perpendicular to the MESD levee and replacing the section of levee that was removed. All work will be closely coordinated with the U.S. Army Corps of Engineers, St. Louis District. This work order includes coordination with the Corps of Engineers for permitting this construction project as a maintenance project for the levee system, and not an alteration subject to a Section 408 review and approval; this work order does not include Section 408 preparation or coordination services.

Services to be provided by Amec Foster Wheeler under this Work Order include:

1. GENERAL CIVIL IMPROVEMENTS

- 1.1. Obtain topographic survey information and property survey for the project area.
- 1.2. Design for the removal of the existing 10.5 foot diameter storm sewer running perpendicular to the MESD Levee at approximately 45 feet in depth to the levee centerline, and approximately 50 feet beyond the levee toe on each side of the levee. The design will also include the backfill of the levee, appropriate sewer structure removal, any geotechnical analysis, and general civil engineering design.
- 1.3. Design necessary coffer dam(s) or similar features to control and protect against minor flooding.
- 1.4. Prepare complete civil construction drawings, to include:
 - limits of existing right-of-way
 - limits of wetlands and limits of assumed wetland disturbance
 - limits of temporary construction easements
 - aerial photo background
 - topographic information (existing contours and utilities)
 - excavation and backfill limits and cross-sections
 - existing storm sewer pipe and structure locations and details

- 1.5. Prepare complete specifications.
- 1.6. Prepare easement exhibits for necessary temporary construction easements
- 1.7. Prepare a construction cost estimate.

2. **STAKEHOLDER COORDINATION**

- 2.1. Meet with the Council as needed to present and discuss design progress.
- 2.2. Attend public meetings as needed to present design progress.
- 2.3. Attend meetings as needed with MESD to discuss design solutions.
- 2.4. Attend coordination meetings with the USACE as needed.

3. **BID PHASE SERVICES**

- 3.1. Provide bid procurement services for each bid package, to include:
 - Advertisement
 - Pre-Bid Meeting
 - Respond to question regarding the clarity or intent of the contract documents.
 - Prepare and issue addenda.
 - Receive and open bids in public forum
- 3.2. Coordinate with construction management team to review bids and recommend contractor selection for each bid package.

Metro East Sanitary District Quantities & Cost Summary

Item #	CI #	Cost Item	Unit	Unit Cost	Contingency	Quantity	Total	Additional
1	1	Clay Material (New)	CY	\$ 20.00	20%	25,000	\$ 600,000	\$ -
2	3	Clear & Grub - Light Vegetation	AC	\$ 6,000.00	20%	3	\$ 21,600	\$ -
3	4	Clear & Grub - Wooded	AC	\$ 21,625.00	20%		\$ -	\$ -
4	8	Dewatering (0 to 5 feet)	LF	\$ 73.00	20%	160	\$ 14,016	\$ -
5	9	Dewatering (5 to 15 feet)	LF	\$ 295.00	20%	125	\$ 44,250	\$ -
6	n/a	Dewatering (15+ feet)	LF	\$ 500.00	20%	100	\$ 60,000	\$ -
7	n/a	Deep Excavation	CY	\$ 20.00	20%	50,000	\$ 1,200,000	\$ -
8	14	Fill Material (Reusable Clay)	CY	\$ 13.00	20%	25,000	\$ 390,000	\$ -
9	21	Haul Off of Excess Material	CY	\$ 6.00	20%	25,000	\$ 180,000	\$ -
10	25	Mobilization (% varies)	LS	\$ 20,000.00	20%	1	\$ 24,000	\$ -
11	53	Pvmt - Roads & Trails - Remove & Replace	SY	\$ 50.00	20%	360	\$ 21,600	\$ -
12	66	ROW Acquisition - Commercial	AC	\$ 30,000.00	20%	2	\$ 72,000	\$ -
13	71	ROW Acquisition - Uniform Federal Relocation Costs	PR	\$ 3,090.00	20%		\$ -	\$ -
14	72	ROW Acquisition - Miscellaneous Additional Land Acquisition Costs	LS	\$ -	0%		\$ -	\$ -
15	76	Seeding	AC	\$ 1,650.00	20%	3	\$ 5,940	\$ -
16	78	Top Soil	CY	\$ 21.00	20%	2,476	\$ 62,395	\$ -
17	85	Utility Relocation - Miscellaneous Additional Relocation Costs	LS	\$ -	0%		\$ -	\$ -
18	86	Wetland Mitigation	AC	\$ 29,000.00	20%		\$ -	\$ -
19	87	Cultural / Archeological (Unforeseen) Impacts Cost	LS	\$ -	0%		\$ -	\$ -
20	n/a	10.5' Diameter Sewer Pipe Removal	LF	\$ 1,000.00	20%	400	\$ 480,000	\$ -
21	n/a	Removal of Existing Junction Structure	EA	\$ 15,000.00	20%	1	\$ 18,000	\$ -
22	n/a	Removal of Existing Gateway Structure	EA	\$ 15,000.00	20%	1	\$ 18,000	\$ -
23	n/a	Coffer Dam	EA	\$ 20,000.00	20%	2	\$ 48,000	\$ -
24	n/a	Long Reach Escavator - Deep Excavation	LS	\$ 10,000.00	20%	1	\$ 12,000	\$ -
Sub-Total							\$ 3,271,801	\$ 0
Construction Estimate							\$	3,271,801



Memo to: Board of Directors
From: Chuck Ewert
Subject: Sales Tax Revenue Bonds, Series 2015 Resolution
Date: October 19, 2015

Per the scheduled outlined to the Board in May, Jeff White will be present this month to discuss the attached resolution, providing for the issuance of Sales Tax Revenue Bonds, Series 2015 for the Board's consideration.

It is proposed that the Council issue Series 2015 Senior Bonds and Series 2015 Subordinate Bonds in an aggregate principal amount of not to exceed \$100,000,000 for the purpose of performing emergency levee repair and flood prevention in order to prevent the loss of life or property. A copy of the resolution is attached.

This will keep us on schedule of having a bond sale accomplished before the end of the year.

Ms. Sara Kotthoff of Thompson Coburn, bond counsel, will also be in attendance to answer any questions that the Board may have.

Recommendation:

Approve the bond resolution providing for the issue of not to exceed \$100,000,000 Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015, of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties.

MINUTES of a public meeting of the Board of Directors of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois, held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois, in said Council at 7:30 o'clock A.M., on the 21st day of October 2015.

* * *

The President of the Board of Directors called the meeting to order and directed the Secretary of the Board of Directors to call the roll.

Upon the roll being called, _____, the President of the Board of Directors, and the following Directors were present at said location: _____

The following Directors were allowed by a majority of the members of the Board of Directors in accordance with and to the extent allowed by rules adopted by the Board of Directors to attend the meeting by video or audio conference: _____

No Director was not permitted to attend the meeting by video or audio conference.

The following Directors were absent and did not participate in the meeting in any manner or to any extent whatsoever: _____

The Board of Directors then discussed the proposed issuance of not to exceed \$100,000,000 Southwestern Illinois Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015, for the purpose of paying the costs of performing emergency levee repair and flood prevention.

Whereupon Director _____ presented and the Secretary of the Board of Directors read by title a resolution as follows, a copy of which was provided to each Director prior to said meeting and to everyone in attendance at said meeting who requested a copy:

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RESOLUTION providing for the issue of not to exceed \$100,000,000 Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015, of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois.

* * *

WHEREAS, The Counties of Madison, St. Clair and Monroe, Illinois (each a “*County*” and together the “*Counties*”), are duly organized and validly existing units of local government created under the provisions of the laws of the State of Illinois, and are now operating under the provisions of the Counties Code of the State of Illinois, and all laws amendatory thereof and supplementary thereto; and

WHEREAS, the County Board of each County (each, a “*County Board*”), pursuant to the Flood Prevention District Act of the State of Illinois, 70 ILCS 750, et seq., as amended (the “*Act*”), has heretofore declared an emergency and created, respectively, the Madison County Flood Prevention District, Madison County, Illinois, the St. Clair County Flood Prevention District, St. Clair County, Illinois and the Monroe County Flood Prevention District, Monroe County, Illinois (each, a “*District*” and collectively the “*Districts*”) for the purpose of performing emergency levee repair and flood prevention in order to prevent the loss of life or property (the “*Project*”); and

WHEREAS, the Districts are duly organized and validly existing units of local government created under the provisions of the laws of the State of Illinois, and are now operating under the provisions of the Act, and all laws amendatory thereof and supplementary thereto; and

WHEREAS, the Board of Commissioners of each District (each, a “*Board of Commissioners*”) has been duly appointed by the Chairman of the applicable County Board; and

WHEREAS, each Board of Commissioners has determined that an emergency situation exists regarding levee repair or flood prevention within the applicable District and County; and

WHEREAS, each County Board has confirmed the determination of the respective Board of Commissioners that an emergency situation exists; and

WHEREAS, each County Board has imposed a flood prevention retailers’ occupation tax and a flood prevention service occupation tax pursuant to the Act (the “*Flood Prevention District Sales Taxes*”); and

WHEREAS, each Board of Commissioners has determined that it is advisable, necessary and in the best interests of the applicable District and County to perform emergency levee repair and flood protection, within or outside of the applicable District's corporate limits as permitted by the Act; and

WHEREAS, subject to and in accordance with the provisions of the Act, each District is authorized to issue revenue bonds for the purpose of providing funds to pay the cost of the Project, such bonds being payable from revenues received from the Flood Prevention District Sales Taxes and from any other revenue sources available to such District; and

WHEREAS, pursuant to the authority granted by Article VII, Section 10(a) of the Constitution of the State of Illinois and the Intergovernmental Cooperation Act, 5 ILCS 220/1, et seq., as amended, the Districts have entered into An Intergovernmental Agreement to Finance, Design, and Manage the Rebuilding of the Levee Systems in Southwestern Illinois, dated as of June 11, 2009 (as now or hereafter amended, the "*District/Council Intergovernmental Agreement*") to finance, design, construct, manage and oversee the Project; and

WHEREAS, the Act provides that the Districts may join together through an intergovernmental cooperation agreement to provide any services described in the Act, to construct, reconstruct, repair or otherwise provide any facilities described in the Act either within or outside of each District's corporate limits, to issue bonds, notes or other evidences of indebtedness, to pledge the sales taxes imposed pursuant to the Act to the obligations of any other District, and to exercise any other power authorized by the Act; and

WHEREAS, pursuant to the District/Council Intergovernmental Agreement there has been created the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois (the "*Council*"), to coordinate the financing, design, construction, management and oversight of the Project; and

WHEREAS, the Council has heretofore issued (a) its Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010A in the amount of \$64,015,000, (b) its Taxable Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010B (Build America Bonds) in the amount of \$9,050,000 and

(c) its Taxable Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010C (Recovery Zone Economic Development Bonds) in the amount of \$21,130,000 (collectively, the “*Series 2010 Bonds*”) to pay a portion of the costs of the Project; and

WHEREAS, the remaining cost of the Project, including engineering, legal, financial, bond discount, printing and publication costs, capitalized interest, bond reserve and other expenses, is estimated to be not less than \$100,000,000, and there are insufficient funds on hand and lawfully available to pay such costs; and

WHEREAS, it is necessary and for the best interests of the Counties and the Districts that the Project be completed and in order to raise the funds required for such purpose it will be necessary for the Council to borrow at this time an amount not to exceed \$100,000,000; and

WHEREAS, it is in the best interest of the Counties and the Districts that the Council issue (i) its Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015 (the “*Series 2015 Senior Bonds*”) and (ii) its Flood Prevention District Council Subordinate Sales Tax Revenue Bonds, Series 2015 (the “*Series 2015 Subordinate Bonds*”) and, collectively with the Series 2015 Senior Bonds, the “*Series 2015 Bonds*”) on behalf of the Districts for the Project at this time in an aggregate principal amount of not to exceed \$100,000,000; and

WHEREAS, before the Council may issue the Series 2015 Bonds it is required by the Act to submit a request to the County Board of each County and to the Board of Commissioners of each District for approval of the issuance of the Series 2015 Bonds; and

WHEREAS, the County Board of each County and the Board of Commissioners of each District have approved of the issuance of the Series 2015 Bonds by the Council; and

WHEREAS, in order to provide credit enhancement for the Series 2010 Bonds, the Series 2015 Bonds and other bonds issued by the Council pursuant to the Senior Indenture or the Subordinate Indenture (each as defined herein) (the “*Subsequent Bonds*”) and, collectively with the Series 2010 Bonds and the Series 2015 Bonds, the “*Bonds*”), it is in the best interest of the Council to enter into an amendment to the existing intergovernmental agreement with each County and District providing for the continued direct

deposit of the Flood Prevention District Sales Taxes with a trustee for the payment of the Bonds (the “County/Council Intergovernmental Agreement”); and

NOW, THEREFORE, Be It and It Is Hereby Resolved by the Board of Directors of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois, as follows:

Section 1. Definitions. The following words and terms used in this Resolution shall have the following meanings unless the context or use clearly indicates another or different meaning is intended:

“*Act*” means the Flood Prevention District Act of the State of Illinois, 70 ILCS 750, et seq., as amended.

“*Amendment*” means the proposed amendment to the District/Council Intergovernmental Agreement in substantially the form attached hereto as *Exhibit A*.

“*Board of Commissioners*” means the Board of Commissioners of the applicable District or Districts.

“*Board of Directors*” means the Board of Directors of the Council.

“*Bond Counsel*” means, with respect to the original issuance of the Series 2015 Bonds, Thompson Coburn LLP, St. Louis, Missouri, and otherwise, Thompson Coburn LLP, or any firm of attorneys whose opinions are generally acceptable to purchasers of tax-exempt obligations of political subdivisions of state and local government, selected by the Council, and acceptable to the Trustee.

“*Bond Fund*” means, collectively, the Senior Bond Fund and the Subordinate Lien Bond Fund.

“*Bond Resolution*” means, collectively, (i) the resolution, duly adopted by the Board of Directors of the Council on October 21, 2010, authorizing the execution and delivery of the Series 2010 Bonds and (ii) this resolution authorizing the issuance, sale, and delivery of the Series 2015 Bonds.

“*Bonds*” is defined in the preambles.

“*Code*” means the Internal Revenue Code of 1986, as amended.

“*Continuing Disclosure Undertaking*” means the proposed Continuing Disclosure Agreement in substantially the form attached hereto as *Exhibit H*.

“*Council*” means the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois.

“*Council Sales Tax Fund*” means, collectively, the Southwestern Illinois Flood Prevention District Council Sales Tax Fund created and established by the Senior Indenture or, if no Outstanding Bonds under the Senior Indenture, the Southwestern Illinois Flood Prevention District Council Sales Tax Fund created and established by the Subordinate Indenture.

“*Counties*” means The Counties of Madison, St. Clair and Monroe, Illinois.

“*Counties Code*” means the Counties Code of the State of Illinois, as amended.

“*County Board*” means the County Board of the applicable County or Counties.

“*County/Council Intergovernmental Agreement*” means each Intergovernmental Agreement dated as of November 23, 2010 among a County, the related District and the Council, as amended by the First Supplement to Intergovernmental Agreement, providing for the continued direct deposit of the Flood Prevention District Sales Taxes with the Trustee.

“*County Flood Prevention Occupation Tax Fund*” means the special fund known as the (name of County) County Flood Prevention Occupation Tax Fund, established by each County pursuant to Section 25(j) of the Act.

“*Debt Reform Act*” means the Local Government Debt Reform Act of the State of Illinois, as amended.

“*Designated Representative*” means the President of the Board of Directors or the Chief Supervisor of Construction and the Works.

“*District/Council Intergovernmental Agreement*” is defined in the preambles.

“*Districts*” means the Madison County Flood Prevention District, Madison County, Illinois, the St. Clair County Flood Prevention District, St. Clair County, Illinois and the Monroe County Flood Prevention District, Monroe County, Illinois.

“*First Supplement to Intergovernmental Agreement*” means, with respect to each Intergovernmental Agreement, the applicable First Supplement to Intergovernmental Agreement in substantially the forms attached hereto as *Exhibit G-1, G-2 and G-3*.

“*First Supplemental Indenture*” means the First Supplemental Indenture of Trust, by and between the Council and the Trustee, in substantially the form attached hereto as *Exhibit B*, amending and supplementing the Senior Indenture and relating to the issuance of the Series 2015 Senior Bonds.

“*Flood Prevention District Revenues*” means (i) the Flood Prevention District Sales Taxes and (ii) any other revenues of the Districts and the Council which are permitted to be used to pay debt service on the Bonds.

“*Flood Prevention District Sales Taxes*” means the Flood Prevention District Retailers’ Occupation Tax and the Flood Prevention District Service Occupation Tax imposed by each County pursuant to Section 25 of the Act and any substitute therefor as provided by the State in the future.

“*Local Government Securities Purchase Agreement*” means, collectively, (a) the Local Government Securities Purchase Agreement, by and between the Council and the Purchaser, in substantially the form attached hereto as *Exhibit D-1*, relating to the purchase of the Series 2015 Senior Bonds by the Purchaser and (b) the Local Government Securities Purchase Agreement, by and between the Council and the Purchaser, in substantially the form attached hereto as *Exhibit D-2*, relating to the purchase of the Series 2015 Subordinate Bonds by the Purchaser.

“*Official Statement*” means the Official Statements relating to the offering and sale of the Purchaser’s Senior Bonds and the Purchaser’s Subordinate Bonds, to be dated the date of the Purchase Contract.

“*Outstanding Bonds*” means the Bonds which are outstanding and unpaid; *provided, however*, such term shall not include Bonds (i) which have matured and for which moneys are on deposit with proper paying agents, or are otherwise properly available, sufficient to pay all principal thereof and interest thereon, or (ii) the provision for payment of which has been made by the Council by the deposit in an irrevocable trust or escrow of funds or direct, full faith and credit obligations of the United States of

America, the principal of and interest on which will be sufficient to pay at maturity or as called for redemption all the principal of and interest on such Bonds, as provided in the Senior Indenture or the Subordinate Indenture, as applicable.

“*Preliminary Official Statement*” means the Preliminary Official Statements relating to the offering and sale of the Purchaser’s Senior Bonds and the Purchaser’s Subordinate Bonds, in substantially the forms attached hereto as *Exhibit F-1* and *F-2*.

“*Project*” is defined in the preambles hereto.

“*Project Fund*” means the Southwestern Illinois Flood Prevention District Council Project Fund created and established by Section 5.01 of the Senior Indenture.

“*Purchase Contract*” means, collectively, (a) the Purchase Contract among the Senior Underwriter, the Purchaser and the Council, relating to the sale of the Purchaser’s Senior Bonds, in substantially the form attached hereto as *Exhibit E-1* and (b) the Purchase Contract among the Subordinate Underwriter, the Purchaser and the Council, relating to the sale of the Purchaser’s Subordinate Bonds, in substantially the form attached hereto as *Exhibit E-2*.

“*Purchaser*” means the Southwestern Illinois Development Authority.

“*Purchaser’s Senior Bonds*” means the Purchaser’s Local Government Program Revenue Bonds, Series 2015 (Southwestern Illinois Flood Prevention District Council Project).

“*Purchaser’s Subordinate Bonds*” means the Purchaser’s Local Government Program Subordinate Revenue Bonds, Series 2015 (Southwestern Illinois Flood Prevention District Council Project).

“*Secretary*” means the Secretary of the Treasury of the United States of America.

“*Senior Bond Fund*” means the Southwestern Illinois Flood Prevention District Council Sales Tax Revenue Bond and Interest Fund created and established in the Senior Indenture.

“*Senior Indenture*” means the Indenture of Trust dated as of November 23, 2010 by and between the Council and the Trustee, as amended and supplemented by the First Supplemental Indenture, relating to the Series 2010 Bonds and the Series 2015 Senior Bonds.

“*Senior Underwriter*” means PNC Capital Markets LLC, as the original purchaser of the Purchaser’s Senior Bonds.

“*Series 2010 Bonds*” means, collectively, the Council’s Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010A in the amount of \$64,015,000, Taxable Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010B (Build America Bonds) in the amount of \$9,050,000 and Taxable Flood Prevention District Council Sales Tax Revenue Bonds, Series 2010C (Recovery Zone Economic Development Bonds) in the amount of \$21,130,000, all issued under the Senior Indenture.

“*Series 2015 Bonds*” means, collectively, the Series 2015 Senior Bonds and the Series 2015 Subordinate Bonds.

“*Series 2015 Senior Bonds*” means the Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015 to be issued by the Council under the Senior Indenture.

“*Series 2015 Subordinate Bonds*” means the Flood Prevention District Council Subordinate Sales Tax Revenue Bonds, Series 2015 to be issued by the Council under the Subordinate Indenture.

“*State*” means the State of Illinois.

“*Stated Maturity*” means the stated date of final maturity with respect to the Bonds.

“*Subordinate Bonds*” means Bonds issued by the Council under the Subordinate Indenture and payable from Flood Prevention District Revenues on a subordinate basis with respect to the Bonds issued under the Senior Indenture.

“*Subordinate Indenture*” means the Subordinate Indenture of Trust by and between the Council and the Trustee, in substantially the form attached hereto as *Exhibit C*, relating to the Series 2015 Subordinate Bonds.

“*Subordinate Lien Bond Fund*” means the Southwestern Illinois Flood Prevention District Council Sales Tax Revenue Bond and Interest Fund created and established in the Subordinate Indenture.

“*Subordinate Underwriter*” means RBC Capital Markets, LLC, as the original purchaser of the Purchaser’s Subordinate Bonds.

“*Subsequent Bonds*” means any bonds other than the Series 2010 Bonds and the Series 2015 Bonds issued by the Council pursuant to the Senior Indenture or the Subordinate Indenture.

“*Supplemental Indenture*” means a supplemental indenture executed and delivered in accordance with Article IX of the Senior Indenture or the Subordinate Indenture, as applicable.

“*Surplus Fund*” means the sub-fund of that name established in Section 5.09 of the Senior Indenture and the Subordinate Indenture.

“*Tax Agreement*” means, collectively, each tax compliance agreement to be executed and delivered by the Purchaser, the Council and the Trustee in connection with the issuance of the Purchaser’s Senior Bonds or the Purchaser’s Subordinate Bonds.

“*Trustee*” means UMB Bank, N.A., St. Louis, Missouri, as bond registrar, paying agent and trustee, and successors and assigns.

“*Underwriter*” means, as applicable, the Senior Underwriter or the Subordinate Underwriter.

Section 2. Incorporation of Preambles. It is hereby found and determined that all of the recitals contained in the preambles to this resolution are full, true and correct and the same are hereby incorporated into this resolution by this reference.

Section 3. Authorization; Amendment of the County/Council Intergovernmental Agreements. It is hereby found and determined that the Council has been authorized by the Act to issue revenue bonds, the proceeds of said revenue bonds to be used for the purpose of paying a portion of the remaining cost of the Project, and it is necessary and for the best interests of the Council that there be issued at this time the bonds so authorized in an amount not to exceed \$100,000,000. The Council hereby acknowledges and consents to the execution and delivery of the Amendment by the Districts.

Section 4. Series 2015 Bond Details; Authorization of the First Supplemental Indenture and the Subordinate Indenture. There shall be borrowed for and on behalf of the Council an amount not to exceed \$100,000,000 for the purpose aforesaid; and the Series 2015 Bonds of the Council shall be issued in an aggregate principal amount not to exceed \$100,000,000 and shall be designated “Flood Prevention

District Council Sales Tax Revenue Bonds, Series 2015” and “Flood Prevention District Council Subordinate Sales Tax Revenue Bonds, Series 2015.”

The Series 2015 Senior Bonds shall be issued in one series and shall be dated the date of their original issuance and delivery and shall also bear the date of authentication thereof. The Series 2015 Senior Bonds shall be in fully registered form, shall be in denominations of \$5,000 each and authorized integral multiples thereof (but no single Series 2015 Senior Bond shall represent principal maturing on more than one date), and shall be numbered 1 and upwards.

The Series 2015 Subordinate Bonds shall be issued in one series and shall be dated the date of their original issuance and delivery and shall also bear the date of authentication thereof. The Series 2015 Subordinate Bonds shall be in fully registered form, shall be in denominations of \$5,000 each and authorized integral multiples thereof (but no single Series 2015 Subordinate Bond shall represent principal maturing on more than one date), and shall be numbered 1 and upwards.

The Series 2015 Bonds shall mature or be subject to mandatory redemption prior to maturity (subject to prior optional redemption as hereinafter set forth) on the dates set forth in the Senior Indenture and the Subordinate Indenture, in an aggregate principal amount not to exceed \$100,000,000 and bear interest at the rates per annum (not to exceed nine percent (9.0%) per annum), as set forth in the Senior Indenture or the Subordinate Indenture, as applicable. The true interest cost (“TIC”) of the Series 2015 Senior Bonds shall not exceed five and one-half percent (5.5%) per annum. The TIC of the Series 2015 Subordinate Bonds shall not exceed six and one-half percent (6.5%) per annum.

The terms and provisions of the Series 2015 Senior Bonds, including provisions for execution, authentication, payment of principal and interest, transfer and exchange, redemption, defeasance, events of default and remedies, are as contained in the Senior Indenture. The First Supplemental Indenture, amending and supplementing the Senior Indenture, is hereby authorized and approved and the Designated Representative is hereby authorized and directed to execute and deliver the same.

The terms and provisions of the Series 2015 Subordinate Bonds, including provisions for execution, authentication, payment of principal and interest, transfer and exchange, redemption, defeasance, events of

default and remedies, are as contained in the Subordinate Indenture. The Subordinate Indenture is hereby authorized and approved and the Designated Representative is hereby authorized and directed to execute and deliver the same.

Section 5. Sale of the Series 2015 Bonds. Each Local Government Securities Purchase Agreement is hereby authorized and approved and the Designated Representative is hereby authorized and directed, without any further authorization or direction from the Board of Directors, to execute and deliver the same and to sell and deliver the Series 2015 Bonds upon the terms as prescribed in this Section.

Each Purchase Contract is hereby authorized and approved and the Designated Representative is hereby authorized and directed, without any further authorization or direction from the Board of Directors, to execute and deliver the same upon the terms as prescribed in this Section.

The Series 2015 Senior Bonds hereby authorized shall be executed as provided in the Senior Indenture, and, after authentication thereof by the Trustee, shall be delivered to the Purchaser, upon receipt of the purchase price therefor set forth in the applicable Purchase Contract, the same being not less than ninety percent (90%) of the principal amount of the Series 2015 Senior Bonds, plus accrued interest to date of delivery. The Series 2015 Subordinate Bonds hereby authorized shall be executed as provided in the Subordinate Indenture and, after authentication thereof by the Trustee, shall be delivered to the Purchaser, upon receipt of the purchase price therefor set forth in the applicable Purchase Contract, the same being not less than ninety percent (90%) of the principal amount of the Series 2015 Subordinate Bonds, plus accrued interest to date of delivery.

Prior to the execution and delivery of a Purchase Contract, the Designated Representative shall find and determine that no person holding any office of the Council, either by election or appointment, is in any manner financially interested directly in his or her own name or indirectly in the name of any other person, association, trust or corporation, in such Purchase Contract for the purchase of the Series 2015 Bonds.

Upon the sale of the Series 2015 Bonds, the Designated Representative shall find and determine that the Series 2015 Bonds have been sold at such price and bear interest at such rate that neither the true

interest cost nor the net interest rate received upon the sale of the Series 2015 Bonds exceeds the maximum rate otherwise authorized by applicable law.

The use by the Underwriter of the Preliminary Official Statements is hereby ratified, approved and confirmed. The Board of Directors hereby authorizes the preparation and circulation of final Official Statements, each in substantially the same form as the related Preliminary Official Statement incorporating such changes therein as may be necessary to reflect the pricing of the applicable series of the Series 2015 Bonds. The Designated Representative is hereby authorized and directed, to execute and deliver said final Official Statements.

Section 6. Security for the Bonds; Council Sales Tax Fund; Debt Service Reserve Fund. The Bonds are payable solely from the Flood Prevention District Revenues, and for the purpose of providing funds required to pay the principal and interest on the Bonds promptly when and as the same falls due, the Council covenants and agrees with the purchasers and the owners of the Bonds that the Bonds issued under the Senior Indenture shall have a first and prior claim on and a security interest in all Flood Prevention District Revenues, the Council Sales Tax Fund and all amounts in such Fund and the Bonds issued under the Subordinate Indenture shall have a claim on and a security interest in all Flood Prevention District Revenues, the Council Sales Tax Fund and all amounts in such Fund subordinate only to the claim and security interest of the Bonds issued under the Senior Indenture. The Flood Prevention District Revenues are hereby directed to be used pursuant to the Bond Resolution for the purpose of paying the principal of and interest on the Bonds when and as the same come due, and shall be used and disbursed as set forth in the Senior Indenture and the Subordinate Indenture. The pledge and grant of lien and security interest is also subject to the right of the Council to apply any amounts not required to be deposited in the Council Sales Tax Fund for its other lawful purposes.

Each County has heretofore established a County Flood Prevention Occupation Tax Fund. Pursuant to the County/Council Intergovernmental Agreement each County shall direct the Comptroller of the State of Illinois to, for the period during which any of the Bonds are Outstanding, continue to pay the Flood Prevention District Sales Taxes directly to the Trustee rather than to the respective County, for

deposit to the Council Sales Tax Fund. The funds held by the Trustee in the Council Sales Tax Fund shall be held, invested and distributed as set forth in the Senior Indenture and the Subordinate Indenture.

The Council covenants and agrees with the purchasers and the owners of the Bonds that so long as the Bonds remain outstanding, the Council will take no action or fail to take any action which in any way would adversely affect the ability of the Counties to collect and apply the Flood Prevention District Sales Taxes or the ability of the Council to collect the Flood Prevention District Revenues for the payment of the Bonds. The Council and its officers will comply with all present and future applicable laws in order to assure that the Flood Prevention District Revenues will be available as provided herein and deposited as provided in the Senior Indenture and the Subordinate Indenture.

The amendment of each of the County/Council Intergovernmental Agreements by the execution and delivery of the First Supplement to Intergovernmental Agreement relating thereto is hereby authorized and approved and the Designated Representative is hereby authorized and directed to execute and deliver the same.

Section 7. Additional Debt. Additional Bonds and debt may be incurred payable from the Flood Protection District Revenues only as set forth in the Senior Indenture and the Subordinate Indenture.

Section 8. Use of Series 2015 Bond Proceeds. Accrued interest received on the delivery of the Series 2015 Senior Bonds and capitalized interest in the amount set forth in the Senior Indenture is hereby appropriated for the purpose of paying first interest due on the Series 2015 Senior Bonds and is hereby ordered deposited into the account for the Series 2015 Senior Bonds in the Senior Bond Fund. Principal proceeds of the Series 2015 Senior Bonds shall be deposited in the Reserve Fund, the Costs of Issuance Accounts and the Construction Account (each as defined in the Senior Indenture) of the Project Fund under the Senior Indenture in the amounts set forth in the Senior Indenture.

Accrued interest received on the delivery of the Series 2015 Subordinate Bonds and capitalized interest in the amount set forth in the Subordinate Indenture is hereby appropriated for the purpose of paying first interest due on the Series 2015 Subordinate Bonds and is hereby ordered deposited into the account for the Series 2015 Subordinate Bonds in the Subordinate Lien Bond Fund. Principal proceeds of the Series

2015 Subordinate Bonds shall be deposited in the Reserve Fund, the Costs of Issuance Accounts and the Construction Account (each as defined in the Subordinate Indenture) of the Project Fund under the Subordinate Indenture in the amounts set forth in the Subordinate Indenture.

Any moneys received by the Trustee for the Project from any source other than the proceeds of the Bonds shall be deposited in the Project Fund under the Senior Indenture.

Amounts deposited into the Construction Account of the Project Fund under the Senior Indenture and the Subordinate Indenture are hereby appropriated for the purpose of paying a portion of the remaining cost of the Project.

The moneys in the Project Fund under the Senior Indenture and the Subordinate Indenture shall be held in trust by the Trustee, shall be applied to the payment of the costs of the Project except to the extent required to be transferred to a rebate fund in accordance with a tax compliance agreement and, pending such application, shall be held as trust funds under the Senior Indenture or the Subordinate Indenture, as applicable, until paid out or transferred as provided in the Senior Indenture or the Subordinate Indenture, as applicable. The Senior Bonds are secured by a pledge of all of the moneys on deposit in the Project Fund under the Senior Indenture as provided in the Senior Indenture and the Subordinate Bonds are secured by a pledge of all of the moneys on deposit in the Project Fund under the Subordinate Indenture as provided in the Subordinate Indenture, and such pledge is irrevocable until the obligations of the Council are discharged under the Senior Indenture or the Subordinate Indenture, as applicable. The Trustee may, in its discretion, establish such other accounts within a Project Fund, and subaccounts within any of such accounts, as the Trustee may deem necessary or useful for the purpose of identifying more precisely the sources of payments into and disbursements from such Project Fund and its accounts, or, if directed by the Council, for the purpose of complying with the requirements of the Code relating to arbitrage, but the establishment of any such account or subaccount shall not alter or modify any of the requirements of the Bond Resolution, the Senior Indenture or the Subordinate Indenture with respect to the deposit or use of money or result in commingling of funds not permitted hereunder or under the Senior Indenture and the Subordinate Indenture. In establishing such accounts or subaccounts, the Trustee may at any time request,

receive and rely with full acquittance upon an opinion of Bond Counsel, addressed to the Trustee, that the establishment of such accounts or subaccounts will not adversely affect any exemption from federal income taxation to which interest on the Bonds would otherwise be entitled. Moneys deposited into the Project Fund under the Senior Indenture shall be held in such Project Fund and disbursed as provided in the Senior Indenture. Moneys deposited into the Project Fund under the Subordinate Indenture shall be held in such Project Fund and disbursed as provided in the Subordinate Indenture.

Section 9. Provisions a Contract. The provisions of the Bond Resolution shall constitute a contract between the Council and the holders of the Outstanding Bonds and no changes, additions, or alterations of any kind shall be made hereto, except as herein provided, so long as there are any Outstanding Bonds.

Section 10. Tax Covenants. The Council agrees to comply with all provisions of the Code which, if not complied with by the Council, would cause the interest on the Series 2015 Bonds not to be excludable from gross income for federal income tax purposes. In furtherance of the foregoing provisions, but without limiting their generality, the Council agrees: (a) through its officers, to make such further specific covenants, representations as shall be truthful, and assurances as may be necessary or advisable; (b) to comply with all representations, covenants and assurances contained in certificates or agreements as may be prepared by Bond Counsel; (c) to consult with Bond Counsel and to comply with such advice as may be given; (d) to file such forms, statements and supporting documents as may be required and in a timely manner; and (e) if deemed necessary or advisable by its officers, to employ and pay fiscal agents, financial advisors, attorneys and other persons to assist the Council in such compliance.

The Council also certifies and further covenants with the Underwriter and registered owners of the Series 2015 Bonds from time to time outstanding that moneys on deposit in any fund or account in connection with the Series 2015 Bonds, whether or not such moneys were derived from the proceeds of the sale of the Series 2015 Bonds or from any other source, will not be used in a manner which will cause any of the Series 2015 Bonds to be “arbitrage bonds” within the meaning of Code Section 148 and any lawful

regulations promulgated thereunder, as the same presently exist or may from time to time hereafter be amended, supplemented or revised.

The Council further covenants that it will not take any action, or omit to take any action or permit the taking or omission of any action within its control (including, without limitation, making or permitting any use of the proceeds of the Series 2015 Bonds) if taking, permitting or omitting to take such action would cause any Series 2015 Bond to be a private activity bond within the meaning of the Code or would otherwise cause interest on any of the Series 2015 Bonds to be included in the gross income of the recipients thereof for federal income tax purposes. The Council acknowledges that, in the event of an examination by the Internal Revenue Service of the exemption from federal income taxation of interest on any of the Series 2015 Bonds, under present rules, the Council may be treated as a “taxpayer” in the examination and agrees that it will respond in a commercially reasonable manner to any inquiries from the Internal Revenue Service in connection with such an examination.

Section 11. Registered Form. The Council agrees that it will not take any action to permit the Series 2105 Bonds to be issued in, or converted into, bearer or coupon form.

Section 12. Continuing Disclosure Undertaking. The execution and delivery of the Continuing Disclosure Undertaking is hereby authorized and approved and the Designated Representative is hereby authorized and directed to execute and deliver the same. When the Continuing Disclosure Undertaking is executed and delivered on behalf of the Council as herein provided, the Continuing Disclosure Undertaking will be binding on the Council and the officers, employees and agents of the Council, and the officers, employees and agents of the Council are hereby authorized, empowered and directed to do all such acts and things and to execute all such documents as may be necessary to carry out and comply with the provisions of the Continuing Disclosure Undertaking as executed. Notwithstanding any other provision of the Bond Resolution, the Senior Indenture or the Subordinate Indenture, the sole remedy for failure to comply with the Continuing Disclosure Undertaking shall be the ability of the Trustee or the beneficial owner of any Series 2015 Bond to seek mandamus or specific performance by court order, to cause the Council to comply with its obligations under the Continuing Disclosure Undertaking.

Section 13. Municipal Bond Insurance. In the event the payment of principal and interest on any of the Series 2015 Bonds is insured pursuant to a bond insurance policy or financial guaranty policy, and as long as such bond insurance policy or financial guaranty policy shall be in full force and effect, the Council and the Trustee agree to comply with such usual and reasonable provisions regarding presentment and payment of such Series 2015 Bonds, subrogation of the rights of the holders of such Series 2015 Bonds to the issuer of such bond insurance policy or financial guaranty policy upon payment of Series 2015 Bonds by the issuer of such bond insurance policy or financial guaranty policy, amendment hereof or of the Senior Indenture or the Subordinate Indenture, as applicable, or other terms, as approved by the Designated Representative on advice of counsel, his approval to constitute full and complete acceptance by the Council of such terms and provisions under authority of this Section.

Section 14. Further Authority. The President of the Board of Directors, the Chief Supervisor of Construction and the Works and the other officers, officials and employees of the Council are hereby authorized, empowered and directed to do all such acts and things and to execute, acknowledge and deliver all such documents (including, without limiting the generality of the foregoing, any closing certificate, non-arbitrage certificate or tax compliance agreement in connection with the issuance of the Series 2015 Bonds) as may in his or their discretion be deemed necessary or desirable in order to carry out or comply with the terms and provisions of this Resolution and the Official Statement and to make ministerial alterations, changes or additions in the foregoing agreements, statements, instruments or other documents herein approved, authorized and confirmed which they may approve and the execution or taking of such action shall be taken as conclusive evidence of its necessity or advisability. All of the acts and undertakings of such officers, officials and employees which are in conformity with the intent and purposes of this Resolution, whether heretofore or hereafter taken or done shall be and the same are hereby in all respects, ratified, confirmed and approved.

Section 15. Severability. If any section, paragraph or provision of this resolution shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such section, paragraph or provision shall not affect any of the remaining provisions of this resolution.

Section 16. Repeal. All resolutions, ordinances or parts thereof in conflict herewith be and the same are hereby repealed and this resolution shall be in full force and effect forthwith upon its adoption.

Adopted October 21, 2015.

President, Board of Directors

Attest:

Secretary, Board of Directors

Director _____ moved and Director _____ seconded the motion that said resolution as presented and read be adopted.

After a full and complete discussion thereof, the President of the Board of Directors directed that the roll be called for a vote upon the motion to adopt said resolution as read.

Upon the roll being called, Directors _____

voted "AYE", and Directors _____

voted "NAY", whereupon the President of the Board of Directors declared the motion carried and the resolution adopted, and henceforth did approve and sign the same in open meeting and did direct the Secretary of the Board of Directors to record the same in full in the records of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois, which was done.

Other business not pertinent to the adoption of said resolution was duly transacted at said meeting.

Upon motion duly made, seconded and carried, the meeting was adjourned.

Secretary, Board of Directors

STATE OF ILLINOIS)
) SS
COUNTY OF MADISON)

CERTIFICATION OF RESOLUTION AND MINUTES

I, the undersigned, do hereby certify that I am the duly qualified and acting Secretary of the Board of Directors (the “*Board of Directors*”) of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois (the “*Council*”), and as such official I am the keeper of the books, records and files of the District and the Board of Directors.

I do further certify that the foregoing constitutes a full, true and complete transcript of the minutes of the meeting of the Board of Directors held on the 21st day of October, 2015, insofar as same relates to the adoption of a resolution entitled:

RESOLUTION providing for the issue of not to exceed \$100,000,000 Flood Prevention District Council Sales Tax Revenue Bonds, Series 2015, of the Southwestern Illinois Flood Prevention District Council, Madison, St. Clair and Monroe Counties, Illinois.

a true, correct and complete copy of which said resolution as adopted at said meeting appears in the foregoing transcript of the minutes of said meeting.

I do further certify that the deliberations of the Board of Directors on the adoption of said resolution were taken openly, that the vote on the adoption of said resolution was taken openly, that said meeting was held at a specified time and place convenient to the public, that notice of said meeting was duly given to all of the news media requesting such notice, that an agenda for said meeting was posted at the location where said meeting was held and at the principal office of the Board of Directors at least 48 hours in advance of the holding of said meeting, that a true, correct and complete copy of said agenda as so posted is attached hereto as *Exhibit A*, that said meeting was called and held in strict accordance with the provisions of the Flood Prevention District Act of the State of Illinois, as amended, and the Open Meetings Act of the State of Illinois, as amended, and that the Board of Directors has complied with all of the applicable provisions of said Acts and its procedural rules of the Board of Directors.

IN WITNESS WHEREOF, I hereunto affix my official signature this ____ day of _____, 2015.

Secretary, Board of Directors



Memo to: Board of Directors

From: Chuck Etwert

Subject: Request to U.S. Army Corps of Engineers to conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for East St. Louis (MESD) Levee System

Date: October 19, 2015

In late 2013 the St. Louis District of the Corps received a waiver from Headquarters that would allow them to use federal funds to perform levee evaluations of the Upper Wood River and the East St. Louis (MESD) Levee Systems. These evaluations would substitute for the certifications required by FEMA and would address two levee reaches of concern to us: the Mel Price uncontrolled underseepage area, and the Chain of Rocks levee.

In the former case, AMEC indicated it would not be able to certify the levee under the current circumstances. In the latter, AMEC would likely be able to certify, but significant data gaps will have to be filled at substantial expense to the Council. The potential problem with accepting the offer from the Corps was the bifurcation of the design and certification process. The Council purposely combined the two processes under a contract with a single party to assure that, once designed and constructed, the improvements would be certified.

After discussions with the Corps and AMEC it was determined that the risk of any technical disagreements for Upper Wood River (which contained the Mel Price segment) was very low.

Therefore, at the February 2014 Board meeting, the Board authorized the U.S. Army Corps of Engineers to conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for the Wood River Levee System at hundred percent federal cost.

At the same time it was determined to continue to have Amec Foster Wheeler do the certification for the East St. Louis (MESD) Levee System, which includes the Chain of Rocks segment.

We have received notice from the Corps of Engineer (copy attached) regarding the impending close out of the Chain of Rocks construction project. The Corps is still willing to perform the levee evaluation for the East St. Louis (MESD) Levee System if the Council would be interested. However, any requested support would need to be identified to them, no later than November 13, 2015.

With the Corps' recent reevaluation of the 100-Year project and the replacement of HDPE pipe with Reinforced Concrete Pipe (RCP) thus eliminating of 14,000 feet of deep cutoff wall, concerns regarding complexity of the project and the Corps ability to agree with the Amec Foster Wheeler's design have been reduced. In addition, Amec Foster Wheeler still needs additional information from the Corps, in order, to do the certification.

Therefore, Amec Foster Wheeler and I are reevaluating the option of the having the Corps perform the levee evaluation for the system. Since the November 13th deadline is before the November Board meeting, it is requested that if it is determined to be in the best interest of the Council that I be authorized to request the Corps to perform the levee evaluation for the East St. Louis (MESD) Levee System.

Recommendation: Authorize the Chief Supervisor to request the U.S. Army Corps of Engineers conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for the East St. Louis (MESD) Levee System at full federal expense, if it is determined to be in the best interest of the Council.



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

REPLY TO
ATTENTION OF:

Programs and Project Management Division
Project Development Branch

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

Dear Mr. Etwert:

The purpose of this letter is to inform you of the Chain of Rocks construction project status, the impending close out of the Project, and request that the Southwestern Illinois Flood Prevention District (FPD) provide the U.S. Army Corps of Engineers (USACE) with a notice identifying any requested support no later than November 13, 2015 in order to ensure that we can support any such requests, to the extent possible.

During the Flood of 1993, and subsequent floods, sand boils developed along a large portion of the Metro East levees, including the Chain of Rocks segment, indicative of underseepage problems. The purpose of the corrections was to correct all remaining deficiencies inherent in the original design for the Chain of Rocks Levee, so that the original design intent was satisfied and urban design flood protection provided. The project included berms and fills as the primary means of underseepage control with relief wells used only where berms were not practical. The project also included the construction of an additional pump station, as well as mitigation.

The physical construction was completed on March 12, 2015. The Rivers Project Office of the St Louis District Corps of Engineers assumed operations, maintenance, repair, replacement, and rehabilitation (OMRR&R) responsibilities as of September 10, 2015. We have initiated the Project Close Out phase as of Oct 1, 2015 and anticipate to financially close out the project no later than February 1, 2016. Financial close out is the final step in the Project Close Out phase and is a significant milestone in that it will limit our ability to provide support to the FPD at full Federal expense, since financial close out includes returning all unused Federal funds. A non-Federal entity may request USACE support beyond what USACE can provide under the Congressionally-authorized project; however, that support may only be provided using a cost-share mechanism.

To date, USACE has provided all available data and analysis to assist the FPD and their contractor, to include digital copies of the Chain of Rocks levee segment and new pump station OMRR&R manuals, which were provided to your contractor, Amec Foster Wheeler Environment & Infrastructure, Inc., on May 5, 2015. Additionally, USACE continues to support the FPD in this effort by sharing the status of the project with your contractor via regularly-scheduled liaison meetings, and other meetings as requested.

If you have additional questions or concerns please contact me, or your staff may contact Mr. Hal Graef, Project Manager at (314) 331-8790.

Sincerely,

A handwritten signature in black ink that reads "John N. Peukert" followed by the date "9 OCT 15". The signature is written in a cursive, slightly slanted style.

John N. Peukert, RPA
Deputy District Engineer for
Programs and Project Management