



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
December 18 -- 7:30 am**

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

1. Call to Order  
*Dan Maher, President*
2. Approval of Minutes of November 20, 2013
3. Public Comment on Pending Agenda Items
4. Program Status Report  
*Les Serman, Chief Supervisor*
5. Budget Update and Approval of Disbursements
6. Design and Construction Update  
*Jay Martin, AMEC Environment & Infrastructure*
7. Selection of Contractor(s) to Perform Construction Activities  
In Bid Package #3 – Relief Wells, Berms, Pipe Conveyance Systems  
and Related Levee System Improvements in the Wood River District  
*Dale Vehlewald, AMEC Environment & Infrastructure*  
*Les Serman, Chief Supervisor*
8. Selection of Contractor(s) to Perform Construction Activities  
In Bid Package #4 – Relief Wells, Clay Caps, Pipe Conveyance Systems  
and Related Levee System Improvements in the Metro-East Sanitary  
District  
*Dale Vehlewald, AMEC Environment & Infrastructure*  
*Les Serman, Chief Supervisor*
9. Selection of Contractor(s) to Perform Construction Activities  
In Bid Package #5 – Relief Wells, Piping Systems, a Clay Cap And Related  
Levee System Improvements in the Wood River District  
*Dale Vehlewald, AMEC Environment & Infrastructure*  
*Les Serman, Chief Supervisor*
10. Commitment to Provide Cost-Share to the Corps of Engineers for Design  
of Levee System Improvements to Maintain the Authorized Level of Flood  
Protection in the Metro-East Sanitary and Wood River Districts

AGENDA

11. Authorization to Execute Project Partnership Agreement with the Corps of Engineers for Levee System Improvements in the Metro-East Sanitary District  
*Les Sterman, Chief Supervisor*
12. Amendments 1 and 2 to AMEC Work Order 1 – Program Management  
*Les Sterman, Chief Supervisor*
13. Update from Corps of Engineers
14. Appointment of Incoming Chief Supervisor of Construction and the Works  
*Dan Maher, President*
15. Public Comment  
  
Executive Session
16. Real Estate Transactions  
*Les Sterman, Chief Supervisor*
17. Other Business
18. Adjournment

**Next Meeting: January 15, 2013**

AGENDA

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING

November 20, 2013

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 November 20, 2013.

#### Members in Attendance

Dan Maher, President (Chair, St. Clair County Flood Prevention District)  
John Conrad, Vice President (Chair, Monroe County Flood Prevention District)  
James Pennekamp, Secretary/Treasurer (Chair, Madison County Flood Prevention District)  
Paul Bergkoetter, St. Clair County Flood Prevention District  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
Tom Long, Madison County Flood Prevention District  
Bruce Brinkman, Monroe County Flood Prevention District

#### Members Absent

Ron Motil, Madison County Flood Prevention District  
Ronald Polka, Monroe 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 Chair  
Les Sterman, SW Illinois FPD Council  
Dan Barger, Carpenters  
Randy Bolle, Prairie DuPont Levee District  
Lou Dell'Orco, U.S. Army Corps of Engineers  
Kevin Engelke, Teamsters Local 525  
Mike Feldmann, U.S. Army Corps of Engineers  
Walter Greathouse, Metro-East Sanitary District  
Bobby Green, Laborers Local #100  
Vince Gudines, Sheet Metal Workers 268  
John Herzog, Madison County Community Development  
Kevin Hamilton, Carpenters  
Ted Heefner, Painters District Council 58  
Gary Hoelscher, Hoelscher Engineering  
Marvin Johnson, Sandra Marks & Assoc,  
Phil Johnson, Phil Johnson Realtor  
Charles Juneau, Juneau Associates  
Ron Kaempfe, Operators Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Mary Markos, U.S. Army Corps of Engineers

Greg Kipping, Laborers Local 196  
Ellen Krohne, Leadership Council Southwestern Illinois  
Jay Martin, AMEC Environment & Infrastructure  
John Moore, Bricklayers Local #8  
Jack Norman, Southern Illinois Groundwater Advisory Council  
Jon Omvig, AMEC Environment & Infrastructure  
Dan O'Sullivan, Ironworkers District Council  
David Oates, Oates Assoc.  
Tony McGowan, Local 50  
Joseph Parente, Madison County  
Michael Parkinson, Operators Local 520  
Dustin Ramage, Laborers District Council  
Glyn Ramage, Laborers District Council  
Ronda Sauget, Leadership Council SW Illinois  
Terry L. Shewmake, IBEW Local 649  
Bob Shipley, Metro East Sanitary District  
Brennan Soval, Husch Blackwell  
Dale Stewart, Southwestern Illinois Building Trades Council  
Deanne Strauser, U.S. Army Corps of Engineers  
Mike Sullivan, Prairie DuPont Levee District  
Steve Thomaszewski, Congressman Shimkus  
Bill Traylor, Laborers Local 397  
Craig Votrian, Cement Masons Local #90

**Call to order**

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

**Approval of minutes of October 16, 2013**

A motion was made by Tom Long, seconded by Bruce Brinkman, to approve the minutes of the Board meeting held on October 16, 2013. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved.

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

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

### **Program Status Report**

Mr. Maher asked Mr. Sterman to provide a status report for the project.

Notice to proceed was provided to contractors on bid packages #2a, #2b and #6 for pump stations, berms and related improvements. Bids on three remaining bid packages are due on December 3, so we would hope to award contracts for the entire project, with the exception of bid packages #7a/7b by the end of the year and have construction fully underway early next year.

I have completed an updated estimate of the cost to complete the project that will be presented later in the agenda. The last such estimate was completed in June 2013.

The process of property acquisition is moving slowly but surely, and the process remains on the critical path for the project. Key properties have been acquired and other acquisitions are in progress. There are only a couple of problem properties where negotiations have not yet produced results. We will report on those later in the agenda.

The Corps continues with design work for the Wood River cutoff walls as we agreed. AMEC is monitoring progress and will be able to report further at the Board meeting. The Corps continues to confirm the December 13 deadline for completion of design, but there remains much to be done to address all of the comments on the incomplete design. The responsibility for construction of the cutoff walls remains an open question.

The contract for wetland mitigation has been executed and we have made the initial payment to Republic services to begin construction.

The House version of the Water Resources Development Act was approved overwhelmingly and a conference committee appointed to work out the differences with the bill passed by the Senate. Congressman Davis has been appointed to the committee, which may be helpful in pursuing some of the Council's legislative priorities. Foremost among those priorities are two provisions of the Senate bill that will allow the Corps to shift appropriated funds among the projects on our levee system so that we can optimize the allocation of those funds to the most needed projects. Also, the Senate bill includes a provision that will allow us to take credit for the cost of work we have done on the federal project against cost-share on future federal projects.

We received four proposals from firms to serve as the Council's financial advisor. I will be reviewing these proposals over the coming weeks and will ask that a selection committee be appointed to assist in that process.

The deadline for applications for the position of Chief Supervisor was October 21, and we received 55 applications for the position, so there was a good pool of applicants.

Mr. Wittenauer asked about how we would receive credit for work that we are doing on the levee system and whether we would be refunded any money that we could use on other levee improvements. Mr. Sterman said that we would not get money back from the Corps, but would receive credit against our 35% local share for future projects.

Mr. Wittenauer asked if we would be a sponsor for levee improvements to get the system to the 500-year level of protection. Mr. Sterman responded affirmatively.

A motion was made by Mr. Conrad, seconded by Mr. Bergkoetter, to accept the Program Status Report for November, 2013. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved.

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

Mr. Maher asked Mr. Sterman to provide a report.

Mr. Sterman noted that as the project comes closer to completion it will be critical to monitor costs and financing needs so that we can be certain that the project remains affordable and that sufficient funds will be available to pay for ongoing costs. There are pending decisions, such as determining the responsibility for the funding the construction of the Wood River cutoff walls, that will hinge, at least partially, on the Council's financial condition.

As the design is completed, property is appraised and acquired, and construction projects are bid, the cost estimate for the project becomes more accurate and reliable. This leads to greater certainty and confidence in the budget to complete the project. The last such budget was developed in June 2013, and in the few short months since that time there have been a number of important developments, including bids on two major construction packages, completion of appraisals on all required property, execution of contracts for quality control and materials testing, and identification of utility costs.

A detailed cost estimate is shown in Table 1 in the memo distributed to the Board. A number of assumptions were made to produce the estimate.

1. Deducts amounts already expended, so the estimate reflects only anticipated costs going forward from November 1, 2013.
2. Estimates for all bid packages are either the actual construction bid, or the current estimate prepared by AMEC.
3. For bid package #7a/7b the cost estimate is the upper bound provided by the USACE in March, 2013.
4. A contingency of 7% on all construction packages has been included, except for bid packages #7a/7b for which the contingency is 35%.
5. Property acquisition costs are based on actual acquisition costs for completed transactions, and, for all others, appraised amounts plus 25%.
6. Interest rate subsidies are reduced by 8.7% due to federal budget sequester.
7. Professional services costs have been increased to provide for staff leadership transition.
8. New line item costs have been added for quality control, utility relocation, and certification of the Chain of Rocks levee.
9. Design and construction management costs have been added for bid packages #7a/7b in the event that the Council takes responsibility for those projects.

Total “all-in” costs to complete the project, including the Wood River cutoff walls and certification of the entire system (except for the Mel Price reach) to meet the FEMA standard, are \$110,547,945. The total revenue estimate is \$114,393,189. This estimate assumes that sales tax revenues are flat at about 2011 levels.

At the end of 2015 we would have a surplus of \$3,845,245. This figure would effectively be an added contingency amount in the event that costs rise beyond projections or revenue falls short.

The Council has added capacity to raise additional funds through financing using the surplus sales tax revenue that is not required to pay for the principal and interest on the Series 2010 bonds and the agency’s administrative costs. Using the most conservative assumptions on interest rates and sales tax growth, the Council can raise in excess of \$40 million in additional capital to pay for additional levee system improvements or cost-share for federal projects to achieve the federally authorized level of flood protection.

In sum, Mr. Sterman said that the Council is well-positioned to complete the project (including the Wood River cutoff walls for which a federal appropriation could be available) without additional borrowing, leaving the Council with additional financial capacity for future maintenance and capital improvements. This fortuitous conclusion results from several key factors, including continuous efforts to reduce construction costs through design, good competition in the bidding process, and stretching out of the project schedule to delay expenditures. The Board has received the financial statement for October 2013 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending October 31, 2013, as compared to our fiscal year budget.

Mr. Maher asked what is included in the line item for operations. Mr. Sterman explained that it included the administrative costs of the Council.

Mr. Long asked if this means that the project can be done with the cash that we have in-hand. Mr. Sterman responded affirmatively.

A motion was made by Mr. Long, seconded by Conrad, to accept the budget report and approve the disbursements for October 2013. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Mr. Parks arrived at this time.

### **Design and Construction Update**

Mr. Maher called on Jay Martin, AMEC’s project manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. He focused his presentation on the status of each bid package as follows:

- **BP #2A – *Fish Lake Pump Station***
  - Construction expected in December.
  - Pump tubes and pumps order and fabrication
- **BP #2B - *WR/MESD/PDP Pump Stations***
  - Notice of Award and Notice to Proceed have been sent to the Contractor (Korte & Luitjohan)
  - Preconstruction meeting to be scheduled in December
- **BP # 03 – *WR Seepage Improvements (Excluding Cut Off Walls)***
  - Pre-bid meeting October 24, 2013
  - Bids due December 3, 2013
  - Recommendation to the Board expected December 18, 2013
  - Property acquisition still needs to be completed
- **BP# 4 – *MESD Seepage Improvements (Conoco Phillips)***
  - Pre-bid meeting October 31, 2013
  - Bids due December 3, 2013
  - Recommendation to the Board expected December 18, 2013



- **BP # 05 – *MESD Seepage Improvements (MESD excluding Conoco Phillips)***
  - Pre-bid meeting October 24, 2013
  - Bids due December 3, 2013
  - Recommendation to the Board expected December 18, 2013
  - Still need to complete property acquisition – 18 properties remain
  
- **BP#6 – *PDP/FL Seepage Improvements***
  - Construction started this month
    - Borrow pit
    - RW
    - Haul roads
  - Still awaiting several key property acquisitions
  
- **BP#7A and #7B – *Deep and Shallow Cutoff Walls***
  - Received the VE study that was completed mid-September.
  - ATR comments
    - deep wall -137
    - shallow wall -71
    - Comments ranged in content from technical questions and recommendations regarding engineering models/evaluations, to comments on inconsistencies between plans, specs, and reports, to requests for information that was not provided with the initial ATR package.
    - The reviewer comments have not all been closed (as of 11/19 there are 42 open or pending comments for deep wall and 27 open or pending comments for shallow wall).
    - Major comments
      - FLAC3D – trench stability for 40 foot panels
      - 3D groundwater model for window and end effects
        - Boundary conditions
        - Permeability
        - Evidence for conclusions on acceptable gradients
  - COE reports they are on schedule for an advertisement date of December 17, 2013.
  
- **Relief well design in progress**
  - All (138) submitted with 113 returned and 31 approved
  - Corps working to review the balance and returning 16 or 17 per week for the last couple of weeks
  
- **Other Activities...**
  - Land acquisition – Weekly calls with the team. Process moving forward. Timing is critical to schedule.
  - Upcoming Work Orders from AMEC

- Program Management
- Overall Certification
- **Mel Price and Chain of Rocks**
  - Certification- path forward

Mr. Sterman asked Mr. Martin describe the differences between the wall that AMEC designed and submitted last December and the current Corps of Engineers design. Mr. Martin said that the Corps shortened the wall somewhat and is leaving a “window” in the wall to avoid a difficult area for construction. Also, because the AMEC design contemplated a modified design-build approach, some of the design decisions would be left to the contractor.

Mr. Wittenauer asked whether the Corps design included a pump station to address the discharge from the relief wells at the “window”. Mr. Martin said that he didn’t believe so.

Mr. Long asked for clarification on the concept of the cutoff wall and the “window”. Mr. Martin explained the purpose of the cutoff wall and the function of the “window”.

Mr. Kern asked whether we had an estimate of the operating costs for all the improvements that we are building. Mr. Sterman said that we have not yet prepared that estimate, but we plan to do so. He said that we would also assist the levee district in enhancing their tax bases to provide financial capacity to operate their systems.

Mr. Maher asked for a motion to accept Mr. Martin’s progress report. A motion was made by Mr. Parks with a second by Mr. Bergkoetter to accept the AMEC progress report. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

**Implementation Strategy of Bid Package #7a/7b**

Mr. Maher asked Mr. Sterman to provide a report.

Mr. Sterman said that the U.S. Army Corps of Engineers (USACE) is currently designing the subject project – two cutoff walls in the Wood River Levee District. The project consists of a shallow cutoff wall extending into a clay layer of approximately 1800 ft. in length, and a deep

cutoff extending into bedrock of approximately 1900 ft. in length, along with a number of associated relief wells and appurtenances.

Consultants to the Flood Prevention District Council (FPD) have already designed this project and submitted a completed design and the associated data and calculations to the USACE for their review in December, 2012. This project was determined by the Corps to be an “other than minor” alteration to the levee system that would require extensive review and approval by District, Division and Headquarters offices under the provisions of Sec. 408. Early in the review process it became apparent that the duration of the review would be indeterminate, perhaps taking two years or more (based on the experience of other local sponsors).

The USACE received a substantial appropriation in FY2013 for use on the Wood River design deficiency correction project (the cutoff walls are included in that overall project authorization). The USACE indicated that, despite the completed design that was done for the FPD, the agency would have to complete a new design on its own. However, since a Corps project does not require a Sec. 408 review, the end result would be a substantial time savings and reduction in schedule uncertainty. In short, the USACE could design a project faster than they could review an already completed design.

In two installments in December, 2012 and April 2013, the Board agreed to provide \$375,000 in cost share for the design of the cutoff wall project. In making that commitment, the Board did not pledge to provide cost-share for construction of this project. This decision would depend on a number of factors: the availability of federal funds, relative costs, ability to meet a predictable cost and schedule, and compliance with FPD policies

The Corps has proceeded with the design of the project, doing extensive additional primary data collection and committing the resources to produce complete plans and specifications. The agency expects to complete the design process and the various required reviews and products by December 13, 2013.

The Council’s consultants have tracked the design process through attendance at progress meetings, weekly conference calls, and review of analyses and products. This collaborative process is important, because the Council must certify the project as meeting FEMA standards. At this point, about one month away from the conclusion of the design process, our consultants have not yet seen sufficient analysis to support the Corps’ design.

The Corps is planning on putting the project out for bid by January 2014 (assuming the design is completed and approved on schedule), and in order for the agency to move ahead on this schedule, a commitment of funding from a local sponsor will be required. The cost-share for the project is 35% of construction cost plus ancillary costs such as land acquisition, utility relocation, and mitigation of any hazardous or toxic materials. The Corps has not yet produced a firm cost estimate for the project. Should the Council agree to be the local sponsor, we would sign a Project Partnership Agreement that commits the local cost-share, and agrees to a variety of other terms and conditions. As we have often discussed, a contract with the Corps is essentially open-ended, with no legal commitment to complete the project within a fixed and predictable budget

or schedule. If costs increase, the Council would need to provide additional cost-share to complete the project.

Should the Council assume responsibility for construction there will be a delay of as much as six months before the project can be advertised for bid. Since the Corps will not agree to assume legal responsibility for their design, the Council's consultants, AMEC Environment & Infrastructure, would need to do so. It will take about two months for AMEC to assimilate the design and make any changes necessary to satisfy their internal requirements for affixing their seal to the construction drawings. Perhaps more paradoxically, the Corps will need to do a Sec. 408 review on their own design. While this process is wholly redundant, given the internal and external reviews done during the Corps design process, the course of the Sec. 408 review is made less predictable because it will need approval from Corps Division and Headquarters offices. Even though we have been told that the review will be "streamlined," we estimate that it will take four months, assuming that we make no substantive changes to the Corps design. Completion of the project by the end of 2015 remains doable, but there would be little or no room for schedule slippage.

So the decision before the Council is whether to agree to enter into a Project Partnership Agreement with the Corps and committing local tax dollars to pay the cost-share for the project. The essential decision factors are:

1. Funding. There is a federal appropriation committed to the Wood River design deficiency correction and the Council has the required cost-share funds. The Council also has sufficient funds to build the project without federal assistance. The Council has sufficient funds to build the project while maintaining substantial future financial capacity to make additional levee system improvements that go beyond the current project to meet FEMA standards.
2. Cost. The Corps has not supplied a current cost estimate for the project, but our experience suggests that the Council can build equivalent levee system improvements for less money. While the cost differential depends on the size and scope of the project, a local procurement is typically more cost-effective. That has been demonstrated by the initial bidding process on Council projects.
3. Schedule. The Corps has made a commitment to maintaining an aggressive schedule for the project, although they cannot be contractually committed to a deadline, and the agency's record of meeting deadlines is mixed. The Council, should it build the project, must absorb a six-month delay in the project schedule, due mostly to the Sec. 408 review. Once the review is complete, however, the Council will obviously act with a great sense of urgency to finish the project by our deadline.
4. Control. The Council has a demonstrated track record of keeping projects within budget and on schedule when we are in control of the decision-making process and the pace of work. When other agencies, particularly federal agencies, are involved, we have no control of those factors and no recourse if cost estimates or deadlines are not met.

5. Commitment to Local Workforce. The Council has made a strong commitment to make an investment in the local workforce by maximizing the participation of local firms and workers, including minorities, in the project. Even after much discussion and effort by business, civic and labor interests to convince the Corps to accept the Council's policies, the agency has been unwilling or unable to do so.
6. Economic Impact. By investing in the local workforce, the economic multiplier effect of the Council's expenditures is substantial, resulting in an impact as much as seven times the actual outlay. Workers imported from outside the area will not produce that kind of local economic impact.
7. Policy Impact. By assuming responsibility for construction, the Council will be said to be turning down federal funds. Mr. Sterman said that Col. Hall has written a letter reminding us of that fact (the letter was distributed to the Board) and making other assertions, including that the project might be deauthorized. There is a suggestion by Col. Hall that it will bias federal decision-makers to avoid committing future appropriations to local levee improvement projects. Mr. Sterman described why he believes that Col. Hall's assertions are simply not credible. It has been our position that available federal funds should logically be committed to the most urgent project on the levee system, to fix the uncontrolled underseepage problem caused by the design errors from the Mel Price Lock and Dam. While the administrative and procedural hurdles to shift the Wood River design deficiency correction money to the Mel Price project are substantial, we believe that spending scarce federal dollars on a project that local sponsors have already committed to build, while allowing a far greater risk to public safety to persist, is irresponsible. It is true that when local sponsors are unable to move federally funded projects ahead, it will often prejudice future funding decisions. However, that principle generally applies when projects fail because of inability to meet funding commitments, unreasonable delays, or lack of good faith effort. Our situation is the opposite – a local sponsor will be moving a project ahead with adequate local funding and great urgency. We should be rewarded for our initiative and fiscal commitment, not penalized.

There is no analytically "correct" decision in this matter. In my view, the decision needs to be driven by our ability to serve the region by meeting our often-repeated goal of improving the levee system to meet FEMA standards by 2015 with the funds from the dedicated sales tax, while limiting economic hardship in the area. We are on track to meet those commitments on projects that we are designing and building ourselves. The principal threat to meeting our goals are from projects that we don't control.

Mr. Sterman said that that the best course of action for the Council at this time is to assume control of construction of the Wood River cutoff wall projects. I make this recommendation for the following reasons:

1. The open-ended contractual arrangement with the Corps is not something that the Council would accept from any other contractor. Even with the design process nearing a completion, the Corps has not produced a detailed cost estimate for the project. Without a binding commitment to cost and schedule there is no assurance that the Council's goals will be met.
2. The Corps of Engineers is unable to meet the Council's adopted policies and longstanding commitments relating to the use of the local workforce (a commitment initially made by area legislators when they advanced the FPD sales tax legislation).
3. It has always been the Council's intent to build the subject levee improvements, and money has been budgeted for this purpose. Experience shows that when the Council is in control of decision-making, the outcome of the project will be more predictable.
4. Local funds are available to build the project, while still leaving substantial financial capacity for future levee improvements, either locally-funded or cost-shared federal projects.
5. The record provides substantial evidence that a locally funded project will cost less to build than a federal cost-shared project, thereby diminishing potential savings to the Council from using federal funds.
6. This strategy allows for continued advocacy of reprogramming federal funds to address the most critical risk on the levee system, and the single biggest obstacle to certification – the uncontrolled underseepage at the Mel Price lock and dam.

Surely, there are some downside risks of this approach, mainly to the project schedule and future funding, but those risks are manageable, and, to a large degree, speculative.

Mr. Sterman recommended that he should notify the Corps of Engineers of the Council's intent to take responsibility for the construction of the shallow and deep cutoff walls in the Wood River district, and our unwillingness to execute a Project Partnership Agreement for this project under the current terms and conditions. The Chief Supervisor should be authorized to negotiate with AMEC for the additional design tasks to produce final plans and specifications for the project and for the construction management activities required to complete the project.

Mr. Maher asked for a motion to accept Mr. Sterman's recommendation. A motion was made by Mr. Parks with a second by Mr. Bergkoetter to approve Mr. Sterman's recommendation.

Mr. Dunstan said that he agreed with Mr. Sterman's recommendation and strongly urged that the Council vote in favor of the recommendation. Mr. Wittenauer and Mr. Kern agreed.

Mr. Parks emphasized that our thinking has always been that this project would be built by local people. That remains an important principle for us.

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

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

The motion was approved unanimously.

### **Corps of Engineers Update**

Mr. Maher asked Lou Dell’Orco to provide a report from the Corps. Mr. Dell’Orco used a PowerPoint® presentation to illustrate his remarks. He noted that his presentation would change somewhat based on the previous decision by the Board.

### Wood River

- \$20.8M in FY14 President’s Budget
- Cutoff Wall design complete 13Dec13
- PPA
  - Execution 18Dec13 in order to maintain construction contract scheduled: Advertise 06Jan14, Award 10Mar14
  - Commitment of Federal funds - Delay in commitment results in high risk of losing funds to other projects outside of District
  - Commitment from FPD by 18Dec13 in order to identify Federal capability (current CRA thru 15Jan14; next request due December 2013). Construction estimate >\$10M.

Mr. Dell’Orco recommended that we continue to demonstrate our capability to expend federal funds by spending money to design the addition improvements in Wood River and MESD. The sooner we can agree to do this, the better.

### MESD

- \$12.8M in FY14 President’s Budget
- Potential relief well construction
  - Design and/or construction complete by 30Sept14
- Commitment from FPD by 18Dec13 in order to identify Federal capability (current CRA thru 15Jan14; next request due December 2013)

Mr. Sterman asked about Prairie DuPont/Fish Lake, given that the benefit/cost ratio is too low for qualify for federal funds. Would the project end up being deauthorized? Mr. Dell’Orco said that they were exploring options with their attorneys to keep that from happening.

### Wood River/MEL PRICE

- Lower (below Cpl Belchik Road)
  - Field Exploration near completion
  - Construction contract award by 30Sep14 pending receipt of funds
  - Upper (above Cpl Belchik Road)
  - Initiating field exploration
  - Preliminary schedule for construction contract award is Dec2014
- Industry Day (contractor input) 03Dec13
- LRR Supplement in process

### Considerations of No Federal Project

- Other than Minor 408 permission for cutoff wall construction
- PL 84-99 eligibility in jeopardy
- Project de-authorization after 5 years of no federal funds
- Levees may not perform to their authorized level of 54 feet on the St. Louis gage, which is 7 feet higher than the 100-year level and 4 feet higher than the flood of 1993

Mr. Sterman said that the likelihood of deauthorization is totally speculative and shouldn't be threatened, given that the majority of levee systems in the country are probably in the same position. Mr. Dell-Orco said the Corps was just trying to be transparent.

Mr. Dunstan said that he is stunned that we keep putting money into the Chain of Rocks levee when it was already improved to the authorized level, given our problems on the remainder of the levee system.

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

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

The motion was approved unanimously.

### **Public Comment**

Mr. Maher asked if there is any public comment.



Glyn Ramage thanked the Council on behalf of the working men and women of Southwestern Illinois for their decision regarding the Wood River cutoff wall. It showed a lot of courage and commitment that would not go unnoticed.

Mr. Maher asked to convene an executive session to address real estate and personnel matters.

Mr. Long made a motion at 8:45 am to convene a closed session under 5ILCS 120.2 for the purpose of discussing the purchase or lease of real property by a public agency. The motion was seconded by Mr. Parks. Mr. Sterman indicated that all Board members should be present, along with Phil Johnson, the county board chairs and our attorney. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

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

Mr. Long made a motion to adjourn the executive session at 9:32 am and to go back into public session. Mr. Conrad seconded the motion. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

Mr. Maher called the meeting to order.

### **Real Estate Transactions**

A motion was made by Mr. Conrad, and seconded by Mr. Parks to authorize the Chief Supervisor to negotiate the acquisition of properties as follows:

1. Acquire all necessary easements from Norfolk Southern Railroad for \$5,700.

2. Acquire all necessary easements from Keller Properties for \$18,500.

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

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

The motion was approved unanimously.

#### **Hiring of Chief Supervisor of Construction and the Works**

A motion was made by Mr. Parks, with a second by Mr. Bergkoetter to authorize the President to make a job offer to Mr. Charles Etwert in accordance with the terms and conditions discussed by the Board in executive session. Prior to Mr. Sterman’s retirement on January 15, 2014, Mr. Etwert would be employed on an hourly basis during the transition as needed. The agreement with Mr. Etwert would be approved at the December 18 meeting.

#### **Other Business**

There was no other business.

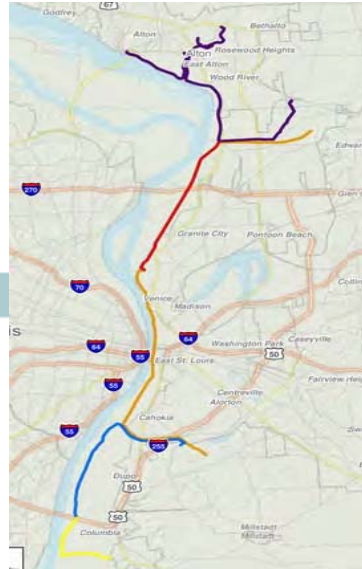
#### **Adjournment**

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

Respectfully submitted,

James R. Pennekamp,  
Secretary/Treasurer, Board of Directors

**Progress Report  
November 20, 2013  
SW IL Levee System  
By Jay Martin**



**Update Status of Bid Packages  
Construction Related Activities**

## **BP #2A – Fish Lake Pump Station**



- Construction expected in December.
- Pump tubes and pumps order and fabrication

3

## **BP#6 – PDP/FL Seepage Improvements**



- Construction started this month
  - Borrow pit
  - RW
  - Haul roads
- Still awaiting several key property acquisitions

4

**BP #2B - WR/MESD/PDP Pump Stations**



- Notice of Award and Notice to Proceed have been sent to the Contractor (Korte & Luitjohan)
- Preconstruction meeting to be scheduled in December

**BP # 03 – WR Seepage Improvements  
(Excluding Cut Off Walls)**



- Pre-bid meeting October 24, 2013
- Bids due December 3, 2013
- Recommendation to the Board expected December 18, 2013
- Property acquisition still needs to be completed

**BP# 4 – MESD Seepage  
Improvements (Conoco Phillips)**



- Pre-bid meeting October 31, 2013
- Bids due December 3, 2013
- Recommendation to the Board expected December 18, 2013

**BP # 05 – MESD Seepage Improvements  
(MESD excluding Conoco Phillips)**



- Pre-bid meeting October 24, 2013
- Bids due December 3, 2013
- Recommendation to the Board expected December 18, 2013
- Still need to complete property acquisition – 18 properties remain

## BP#7A and #7B – Deep and Shallow Cutoff Walls



- Received the VE study that was completed mid-September.
- ATR comments
  - deep wall -137
  - shallow wall -71

Comments ranged in content from technical questions and recommendations regarding engineering models/evaluations, to comments on inconsistencies between plans, specs, and reports, to requests for information that was not provided with the initial ATR package.
- The reviewer comments have not all been closed (as of 11/19 there are 42 open or pending comments for deep wall and 27 open or pending comments for shallow wall).

9

## BP#7A and #7B – Deep and Shallow Cutoff Walls



- Major comments
  - FLAC3D – trench stability for 40 foot panels
  - 3D groundwater model for window and end effects
    - Boundary conditions
    - Permeability
    - Evidence for conclusions on acceptable gradients
- COE reports they are on schedule for an advertisement date of December 17, 2013.

10

## Construction Activities



- Relief well design in progress
  - All (138) submitted with 113 returned and 31 approved
  - Corps working to review the balance and returning 16 or 17 per week for the last couple of weeks

11

## Other Activities...



- Land acquisition – Weekly calls with the team. Process moving forward. Timing is critical to schedule.
- Upcoming Work Orders from AMEC
  - Program Management
  - Overall Certification
- Mel Price and Chain of Rocks
  - Certification- path forward

12



# Questions?



## Metro East Status

### Wood River

- \$20.8M in FY14 President's Budget
- Cutoff Wall design complete 13Dec13
- PPA
  - Execution 18Dec13 in order to maintain construction contract scheduled: Advertise 06Jan14, Award 10Mar14
  - Commitment of Federal funds - Delay in commitment results in high risk of losing funds to other projects outside of District
  - Commitment from FPD by 18Dec13 in order to identify Federal capability (current CRA thru 15Jan14; next request due December 2013). Construction estimate >\$10M.

### MESD

- \$12.8M in FY14 President's Budget
- Potential relief well construction
  - Design and/or construction complete by 30Sept14
  - Commitment from FPD by 18Dec13 in order to identify Federal capability (current CRA thru 15Jan14; next request due December 2013)



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## Metro East Status

### Wood River/MEL PRICE

- Lower (below Cpl Belchik Road)
  - Field Exploration near completion
  - Construction contract award by 30Sep14 pending receipt of funds
- Upper (above Cpl Belchik Road)
  - Initiating field exploration
  - Preliminary schedule for construction contract award is Dec2014
- Industry Day (contractor input) 03Dec13
- LRR Supplement in process



BUILDING STRONG®

## Metro East Status

### Considerations of No Federal Project

- Other than Minor 408 permission for cutoff wall construction
- PL 84-99 eligibility in jeopardy
- Project de-authorization after 5 years of no federal funds
- Levees may not perform to their authorized level of 54 feet on the St. Louis gage, which is 7 feet higher than the 100-year level and 4 feet higher than the flood of 1993



**BUILDING STRONG®**



Memo to: Board of Directors  
From: Les Sterman  
Subject: Program Status Report for December, 2013  
Date: December 16, 2013

Bids on three remaining bid packages were submitted on December 3, and the selection of contractors for these jobs is on the December Board agenda. The good news is that all of these bids came in under the project completion budget presented at the November meeting. With the exception of bid packages #7a/7b (Wood River cutoff walls) the entire project has now been bid and will be under contract by early next year. Construction is underway on three bid packages (a fourth was completed last year).

Based on the most recent bids, I think it is reasonable to conclude that our budget is now quite reliable, if not conservative.

The process of property acquisition is moving slowly but surely, and the process remains on the critical path for the project. Key properties have been acquired and other acquisitions are in progress. There are only a couple of problem properties where negotiations have not yet produced results. We will report on those at the Board meeting.

The Corps believes that they completed the design work for the Wood River cutoff walls on December 13. However, AMEC has raised a number of questions as part of their participation on the agency technical review (ATR) team, and those questions have not yet been fully addressed by the Corps, so we do not agree that the design is complete. A copy of AMEC's memo to the Corps on this subject is attached. This is a critical concern, because AMEC must assume responsibility for the Corps design. In the Corps' haste to meet the deadline we don't want to compromise the quality of the product, to the point where AMEC will need to make changes to the design and complicate the ensuing Sec. 408 review process.

The wetland mitigation work is nearly complete and the first two payments made to Republic Services.

Following the decision made at the November Board meeting and our evident future financial capacity, the Corps has suggested that we take steps designed to demonstrate our capacity to expend future federal funds. Those steps would include signing the Project Partnership Agreements for Wood River and East St. Louis (MESD) and providing cost-share under existing Design Agreements to move forward with designs for levee system improvements related to the

authorized (500-year) level of protection. I believe that these are prudent steps to take and have recommended appropriate action be taken at the December meeting. None of these actions will commit the Council to paying cost-share for construction, and I expect that we will need to continue discussions with the Corps regarding various policy matters with the hope of resolving our issues prior to committing to construction in the future.

We received four proposals from firms to serve as the Council's financial advisor. While the initial intention was to select an advisor at the December meeting, I thought it best to postpone the decision until the January meeting to give the incoming Chief Supervisor an opportunity to participate in the decision-making process.

Based on actions taken at the November Board meeting, the Council President has negotiated an agreement with an individual to assume the post of Chief Supervisor on January 16, 2014. That agreement will be presented to the Board for their approval at the December meeting. I am very confident that the person selected for this position will be able to carry on the work of the Council without interruption after my departure in January.

The St. Louis District of the Corps has received a waiver from Headquarters that would allow them to use federal funds to perform a levee system evaluation of the Upper Wood River and East St. Louis (MESD) levee systems. This evaluation would substitute for the certification 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 has indicated it would not be able to certify the levee under the current circumstances. In the latter, AMEC will likely be able to certify, but significant data gaps will have to be filled at substantial expense to the Council. While the waiver did not respond to our specific request, which was to have the Corps certify only the problematic segments of the levee (we never raised an issue about the cost of certification), it could prove helpful, especially in the Mel Price case. The potential problem with accepting the offer from the Corps will be 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. We can get no such assurance if the Corps assumes the certification role. So it is possible, especially given the experience of the Sec. 408 review, that the Corps may not fully agree with the current design. That would create an untenable situation that would jeopardize the progress of the entire project. While the Corps asserts that risk is very small, we are working with them to evaluate that risk before asking the Corps to proceed with the evaluation.

Because the project schedule has stretched out from that originally contemplated, we will need to amend the AMEC work order for program administration to align with the current project completion date. The amendment is on the December Board agenda.



DATE: 13 December 2013

TO: Mr. Marc Masnor  
USACE – ATR Lead, Wood River Lower Cutoff Wall and Upper Cutoff Wall

FROM: Jo Tucker and Jon Omvig  
AMEC Environment & Infrastructure, Inc.

SUBJECT: USACE Cutoff Wall Designs  
ATR Comment Status

We understand USACE intends to deliver plans and specifications for the Upper and Lower Wood River Cutoff Walls to AMEC on Friday December 13. The purpose of this memorandum is to advise you that AMEC has notified its client, Southwestern Illinois Flood Prevention District Council (SIFPDC), that the ATR process is incomplete and it is therefore inappropriate for AMEC to take receipt of plans and specifications for these projects.

AMEC, along with the other ATR reviewers, has diligently reviewed, re-reviewed, and discussed with the USACE design team the many materials provided to the ATR reviewers. Most, but not all, AMEC comments have been satisfactorily resolved and closed. However, the comments that are not yet closed are important, and pertain to project viability and safety. These include comments about the 3D trench stability models for the deep wall, the 3D groundwater model for the deep wall, and the 2D analyses that appear to necessitate degrading the shallow wall.

As discussed with the USACE design team, AMEC is in the process of reviewing pertinent information, some of which was provided as recently as Monday, December 9. Other information that has a direct effect on the design remains to be provided to AMEC (e.g., one of the outstanding items evidently supports a key design assumption related to the seepage entry point at the deep wall). The design team has been responsive, but the time limitations resulting from the internal deadline have made it virtually impossible to effect an adequate and timely exchange of information. AMEC will not close comments without the necessary information, a practice no different from that imposed on us by the USACE in reviewing design submittals. We also wish to note there is a possibility that the resolution of outstanding comments could require further design revisions by the Corp's team. We believe it most appropriate for the project design team to complete the plans, specifications, and reports after receipt of all ATR comments, and consider anything we receive prior to the closure of all ATR comments to be an interim submittal.

While we appreciate the Corps' commitment to meeting the often-stated deadline for completing the design of this project, we do not believe that the deadline should compromise appropriate and accepted protocols for design review, especially when critical elements of the design might be affected. We also note that as part of the impending Sec. 408 review of the project, other parties will be engaged, and many of the same questions could be raised. We believe that the investment of a little more time now could insure a better and more timely outcome of the Sec. 408 review process.

We appreciate your consideration of our position, and look forward to discussing with you the best way to proceed with the completion of the design of this project.

cc: David Busse (USACE)  
Lou Del'Orco (USACE)  
Tracey Kelsey (USACE)  
Les Sterman (SIFPDC)



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS**  
441 G STREET, NW  
WASHINGTON, DC 20314-1000

CECW-CE

NOV 25 2013

MEMORANDUM THRU Commander, Mississippi Valley Division (CEMVD-DE), P.O.  
Box 80, Vicksburg, Mississippi, 39181-0080

FOR Commander, St. Louis District (CEMVS-DE), 1222 Spruce Street, St. Louis, Missouri  
63103-2833

SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP)  
Levee System Evaluation Report for St. Louis Metro East Levee Systems including East St.  
Louis Flood Protection Project and Wood River Flood Protection Project

1. References:

- a. Memorandum, CEMVS-EC-GD, 1 November 2013, subject as above (encl 1).
- b. Memorandum, CEMVD-RB-T, 6 November 2013, subject as above (encl 2).
- c. Memorandum, CEMVD-PD-SP, 18 November 2013, subject as above (encl 3).

d. Engineer Circular (EC) 1110-2-6067, 31 August 2010 (expired), USACE Process for the National Flood Insurance Program (NFIP) Levee System Evaluation.

2. The purpose of this memorandum is to document Headquarters USACE (HQUSACE) decision related to St. Louis District's and Mississippi Valley Division's request to conduct four levee system evaluations for the purposes of the NFIP at full federal expense.

3. As per policy, USACE may perform NFIP evaluations for levee systems it has the responsibility to operate and maintain, but typically not for levee systems operated and maintained by a local sponsor. In addition, USACE will not perform a NFIP evaluation on a portion of a levee system. The entire system must be evaluated. In the case of the East St. Louis Flood Protection Project, this levee system contains two segments – one operated and maintained by a local sponsor and the other operated and maintained by USACE. To preserve the system approach, HQUSACE concurs with the waiver request for St. Louis District to perform the levee system evaluation for NFIP purposes for the entire East St. Louis Flood Protection Project, including the segment locally operated and maintained. HQUSACE also concurs that funding for the Chain of Rocks construction project, which is the segment USACE operates and maintains, will be used to conduct the NFIP evaluation at full federal expense.

4. In regard to the Wood River Flood Protection Project, which is comprised of three locally operated and maintained independent levee systems, HQUSACE concurs that the NFIP



CECW-CE

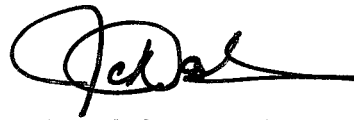
SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report for St. Louis Metro East Levee Systems including East St. Louis Flood Protection Project and Wood River Flood Protection Project

evaluation for the Wood River Levee Upper System can be conducted by the district in conjunction with the construction project associated with the Melvin Price Lock and Dam. The construction work on the Wood River Levee Upper System is mitigation work as a direct result of the relocation of the Melvin Price Lock and Dam and is considered an ongoing and current project. Using the construction funding for the Wood River Levee Upper System, which is at full federal expense, to also conduct an NFIP evaluation in conjunction with the construction work is within current policy.

5. For the Wood River Levee Lower System and the Wood River East and West Levee System, HQUSACE does not concur that the district can perform the NFIP evaluations for these two levee systems at full federal expense. The district may perform these NFIP evaluations using project funds, but because the project is funded with cost-shared funds, the NFIP evaluations would also need to be cost-shared.

6. In conjunction with the recent work of the USACE-FEMA Flood Protection Structure Accreditation Task Force, in accordance with Section 100226 of the Moving Ahead for Progress in the 21st Century Act, the district is requested to coordinate with the Risk Management Center and the HQUSACE Levee Safety Program Manager prior to initiation of the NFIP evaluations for the East St. Louis Flood Protection Project and the Wood River Levee Upper System. The purpose will be to seek opportunities for incorporating risk assessment methods as part of these evaluations.

7. The point of contact for this memorandum is Ms. Tammy L. Conforti, HQUSACE Levee Safety Program Manager, at 202-761-4649.



JAMES C. DALTON, P.E., SES  
Chief, Engineering and Construction  
Directorate of Civil Works



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

REPLY TO  
 ATTENTION OF:

01 NOV 2013

CEMVS-EC-GD

MEMORANDUM THRU Commander, Mississippi Valley Division

FOR Headquarters, U.S. Army Corps of Engineers, ATTN: CECW-CE/Mr. James Dalton,  
 441 G Street NW, Washington, DC 20314

SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP)  
 Levee System Evaluation Report (LSER) for St. Louis Metro East Levee Systems including East  
 St. Louis Flood Protection Project and Wood River Flood Protection Project

1. Reference EC1110-2-6067, CECW-CE, 31 August 2010, subject: USACE Process for the National Flood Insurance Program (NFIP) Levee System Evaluation.
2. Under current USACE policy, waivers may be provided allowing USACE to conduct NFIP Levee System Evaluation Report's (LSER) for levee systems in which USACE has O&M responsibility or for levee systems that are under study.
3. This memorandum serves as St. Louis District's request to MVD USACE and HQ USACE regarding work efforts to conduct NFIP Levee System Evaluations and subsequent reports. The NFIP LSERs are requested to be accomplished at 100% Federal expense, obtained through existing project funds, for the East St. Louis and Wood River Flood Protection Projects in accordance with guidelines set forth in EC1110-2-6067. Utilization of this funding source to conduct the NFIP LSERs will not adversely impact St. Louis District's other levee safety priorities.
4. The East St. Louis Flood Protection Project (MESD) and Chain of Rocks East Levee are two Federally constructed segments, comprising the entire levee system. The MESD segment is operated and maintained by the local sponsor and the St. Louis District operates and maintains the Chain of Rocks East Levee segment. Currently, the MESD segment has an approved Limited Reevaluation Report to correct underseepage deficiencies.

System Name	System ID	Segment Name	Segment ID	Length	O&M Responsibility
East St. Louis Flood Protection Project	5605300001	Metro East Sanitary District	5604300001	22.5	Metro East Sanitary District
		Chain of Rocks	5604040001	8.9	USACE - MVS

ENC 1

CBMVS-EC-GD

SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for St. Louis Metro East Levee Systems including East St. Louis Flood Protection Project and Wood River Flood Protection Project

5. The Wood River Flood Protection Project is comprised of three Federally-constructed levee systems; each of which are operated and maintained by the Wood River Levee District local sponsor. Currently, the Upper and Lower Wood River Levee Systems have an approved Limited Reevaluation Report to correct underseepage deficiencies due to the relocation of a navigation project. In addition, a design deficiency has been identified for uncontrolled underseepage of Wood River Levee Upper, adjacent to Melvin Price Lock and Dam pool. The correction of the uncontrolled underseepage, which is being caused by the Melvin Price Lock and Dam navigation pool, is being planned as 100% Federal responsibility.

Project Name	System / Segment Name	System ID	Segment ID	Length (miles)	O&M Responsibility
Wood River Flood Protection Project	Wood River Levee Upper*	5605470002	5604470002	5.1*	Wood River Levee District
	Wood River Levee Lower	5605470001	5604470001	13.3	
	Wood River East and West Levee	5605470003	5604470003	2.6	

\*Includes the Mel Price portion of the overall system which is approximately 1.5 miles in length

6. MVS requests a waiver from HQ USACE to conduct NFIP Levee System Evaluations and subsequent reports, at 100% Federal expense, for MESD, Chain of Rocks East Levee, and the Wood River Flood Protection Project in accordance with guidelines set forth in EC1110-2-6067. Initiation of the development of the NLSERs would commence immediately, with available funding, and would be finalized once the local sponsor completes planned construction improvements for the 1% annual chance exceedance project.

7. Should additional information be required, please contact Ms. Jamie McVicker, at 314-331-8426.




CHRISTOPHER G. HALL  
COL, EN  
Commanding

6 November 2013

MEMORANDUM FOR CEMVD-PD-SP (Mark Moore)

SUBJECT: MVS Waiver to Conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for St. Louis Metro East Levee Systems including East St. Louis Flood Protection Project and Wood River Flood Protection Project

1. Reference memorandum, CEMVS-EC-GD, 1 November 2013, subject as above.
2. This office concurs with issuance of a waiver to allow the St. Louis District to conduct NFIP Levee System Evaluation Reports for the St. Louis Metro East Levee Systems.
3. The reference memorandum provides sufficient justification for a waiver under existing Corps policy.
4. The St. Louis District has funding available to perform the NFIP Levee System Evaluations.
5. The RB-T point of contact is Melissa Mullen, 901-544-0716.

  
MICHAEL A. TURNER, P.E.  
Chief, Business Technical  
Division

ENCLOSURE





**DEPARTMENT OF THE ARMY**  
MISSISSIPPI VALLEY DIVISION, CORPS OF ENGINEERS  
P.O. BOX 80  
VICKSBURG, MISSISSIPPI 39181-0080

REPLY TO  
ATTENTION OF:

CEMVD-PD-SP

18 NOVEMBER 2013

MEMORANDUM FOR HQUSACE (CECW-MVD), WASH DC 20314-1000

SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report for St. Louis Metro East Levee Systems including East St. Louis Flood Protection Project and Wood River Flood Protection Project

1. References:

a. Memorandum, CEMVS-EC-GD, 1 November 2013, subject as above (encl 1).

b. Memorandum, CEMVD-RB-T, 6 November 2013, subject as above (encl 2).

c. EC 1110-2-6067, CECW, 31 August 2010, subject: USACE Process for the National Flood Insurance Program Levee System Evaluation.

2. MVS requests a policy waiver to conduct work for NFIP Levee System Evaluations and subsequent reports at 100 percent Federal expense for Metro East Sanitary District, Chain of Rocks East Levee, and the Wood River Flood Protection Project in accordance with guidance in reference 1.c. Work would begin immediately upon approval of the requested waiver and be completed when the local sponsor completes planned construction improvements for the 1 percent annual chance exceedance project.

3. MVD has reviewed the package provided in reference 1.a. and supports the rationale presented therein. In a memorandum, 6 November 2013, Business Technical Division concurred in the subject request by MVS.


CEMVD-PD-SP

SUBJECT: MVS Waiver Request to Conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report for St. Louis Metro East Levee Systems including East St. Louis Flood Protection Project and Wood River Flood Protection Project

4. MVD endorses the request for the waiver and recommends HQ approval.

5. The MVD point of contact for this action is Mr. Philip Hollis, CEMVD-PD-SP, (601) 634-5293.

2 Encls

  
For PETER A. DELUCA COL, EN  
Brigadier General, USA  
Commanding



Memo to: Board of Directors  
 From: Les Sterman  
 Subject: Budget and Disbursement Report for December 2013  
 Date: December 18, 2013, 2013

Update of Project Construction Costs

The Council opened bids for three construction packages (#3,4, and 5) on December 3. The lowest responsive bid for each of these three packages was less than their respective budgeted amount. An updated construction cost estimate is shown in below:

*Detail of Construction Expenses 12.1.2013 - 12.31.2015*

<b>Construction</b>	12.3.2013 Estimate	11.1.2013 Estimate	7.1.2013 Estimate	<i>Difference 7.1.2013 - 12.3.2013</i>
<i>Bid Package #1</i>	\$0	\$0	\$0	\$0
<i>Bid Package #2a</i>	\$747,500	\$747,500	\$822,255	<i>(\$74,755)</i>
<i>Bid Package #2b</i>	\$3,866,000	\$3,866,000	\$6,913,000	<i>(\$3,047,000)</i>
<i>Bid Package #3</i>	\$12,920,000	\$12,920,000	\$16,865,000	<i>(\$3,945,000)</i>
<i>Bid Package #4</i>	\$3,190,232	\$4,720,000	\$4,763,000	<i>(\$1,572,768)</i>
<i>Bid Package #5</i>	\$8,256,482	\$14,487,000	\$17,408,000	<i>(\$9,151,518)</i>
<i>Bid Package #6</i>	\$12,858,000	\$12,858,000	\$14,142,841	<i>(\$1,284,841)</i>
<i>Bid Package #7a</i>	\$1,555,556	\$1,555,556		
<i>Bid Package #7b</i>	\$14,365,079	\$14,365,079	\$23,104,000	<i>(\$7,183,365)</i>
<i>Contingency</i>	\$8,500,897	\$9,044,117		\$8,500,897
<i>Pre-Const. Testing</i>	\$831,000	\$831,000	\$1,546,185	<i>(\$715,185)</i>
<i>Const. Mgmt.</i>	\$5,521,000	\$5,521,000	\$5,120,184	\$400,816
<i>QC/Materials Testing</i>	\$1,732,765	\$1,965,574		
<i>Utilities</i>	\$925,000	\$925,000		\$925,000
<i>Property Acquisition</i>	\$2,000,000	\$2,000,000	\$4,000,000	<i>(\$2,000,000)</i>
<i>Wetland Mitigation</i>	\$1,500,000	\$1,500,000	\$1,500,000	\$0
<i>HazMat Mitigation</i>	\$2,000,000	\$2,000,000	\$2,000,000	\$0
<i>Repair &amp; Cost Share to LD</i>	\$2,000,000	\$2,000,000	\$2,000,000	\$0
<b>TOTAL CONSTRUCTION</b>	\$82,769,512	\$91,305,826	\$100,184,465	<i>(\$17,414,953)</i>

As bids have submitted and awarded, the project cost estimate continues to come down. The estimate has been reduced by more than \$17 million over the last six months. This has the effect



of increasing the contingency amounts available, while potentially leaving more funding available for future needs such as federal cost-share, additional locally-funded improvements, or supplemental maintenance.

*In sum, the Council remains well-positioned to complete the project (including the Wood River cutoff walls for which a federal appropriation could be available) without additional borrowing, leaving the Council with additional financial capacity for future maintenance and capital improvements.*

Current Budget Highlights

Attached is the financial statement for November 2013 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending November 30, 2013, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2013 are \$4,644,082 while revenues amounted to \$2,209,480, resulting in a deficit of \$2,434,602. A total of approximately \$15,866,757 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Sales tax receipts showed a small decline in August 2013 (the latest month reported by the Illinois Department of Revenue). Receipts decreased by about 0.74% from last year but remain down by about 2.55% year over year. In general, receipts are running slightly ahead of 2010 levels.

Monthly Disbursements

Attached are lists of bank transactions for October 2013. Total disbursements for the month were \$551,679.25. The largest payments were to AMEC and its subcontractors for design and construction management services, and to the St. Clair County Delinquent Tax Agent to purchase property for the project.

Recommendation:

Accept the budget report and disbursements for November 2013.

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**TWO MONTHS ENDING NOVEMBER 2013 AND 2012**



**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 two months ended November 2013 and 2012. 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, 2014 and 2013, 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  
December 5, 2013

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWO MONTHS ENDED NOVEMBER 30, 2013 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2014 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,237,000	\$ 11,237,000	\$ 1,822,037	\$ 9,414,963
Interest Income	650,000	650,000	387,443	262,557
Other Contributions	-	-	-	-
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>2,209,480</u>	<u>9,677,520</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction	4,000,000	4,000,000	960,822	3,039,178
Management				
Construction	60,000,000	60,000,000	481,547	59,518,453
Construction and design by US ACE	1,000,000	1,000,000	-	1,000,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>1,442,369</u>	<u>63,557,631</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	88,202	121,798
Diversity Program Manager	210,000	210,000	30,190	179,810
Construction Oversight	-	-	-	-
Other	-	-	-	-
Financial Advisor	40,000	40,000	1,320	38,680
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>119,712</u>	<u>440,288</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	355,675	1,914,725
Monroe County	220,800	220,800	34,677	186,123
St. Clair County	2,308,800	2,308,800	353,852	1,954,948
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>744,204</u>	<u>4,055,796</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	2,273,670	4,833,770
Federal Interest Subsidy	(910,140)	(910,140)	-	(910,140)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,273,670</u>	<u>3,923,630</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>4,579,955</u>	<u>71,977,345</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	39,707	152,624
Advertising	-	-	-	-
Bank Service Charges	600	600	65	535
Conference Registration	500	500	61	439
Equipment and Software	4,000	4,000	-	4,000
Fiscal Agency Services	23,000	23,000	3,800	19,200
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	25	975
Postage/Delivery	400	400	64	336
Printing/Photocopies	2,500	2,500	236	2,264
Professional Services	20,000	20,000	15,000	5,000
Publications/Subscriptions	250	250	1,713	(1,463)
Supplies	1,500	1,500	86	1,414
Telecommunications/Internet	2,000	2,000	1,189	811
Travel	15,000	15,000	1,200	13,800
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>64,127</u>	<u>199,954</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>4,644,082</u>	<u>72,177,299</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(64,934,381)	(64,934,381)	(2,434,602)	62,499,779
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>\$ (2,434,602)</u>	<u>\$ 72,499,779</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TWO MONTHS ENDED NOVEMBER 30, 2012 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2013 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,639,000	\$ 11,639,000	\$ 1,818,297	\$ 9,820,703
Interest Income	960,000	960,000	74,100	885,900
Other Contributions	-	-	-	-
Total Revenues	12,599,000	12,599,000	1,892,397	10,706,603
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	6,000,000	6,000,000	476,728	5,523,272
Construction	42,600,000	42,600,000	70,739	42,529,261
Construction and design by US ACE	1,400,000	1,400,000	-	1,400,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	50,000,000	50,000,000	547,467	49,452,533
Professional Services				
Legal & Legislative Consulting	126,000	126,000	7,045	118,955
Construction Oversight	160,000	160,000	-	160,000
Impact Analysis/Research	10,000	10,000	-	10,000
Financial Advisor	20,000	20,000	-	20,000
Bond Underwriter/Conduit Issuer	93,529	93,529	940	92,589
Total Professional Services	409,529	409,529	7,985	401,544
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,955,782	2,955,782	489,339	2,466,443
Monroe County	280,157	280,157	47,969	232,188
St. Clair County	2,907,860	2,907,860	497,848	2,410,012
Total Refund of Surplus Funds to County	6,143,799	6,143,799	1,035,156	5,108,643
Debt Service				
Principal and Interest	7,107,440	7,107,440	2,298,720	4,808,720
Federal Interest Subsidy	(910,140)	(910,140)	(343,732)	(566,408)
Total Debt Service	6,197,300	6,197,300	1,954,988	4,242,312
Total Operating Expenses	62,750,628	62,750,628	3,545,596	59,205,032
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	41,149	151,182
Advertising	-	-	-	-
Bank Service Charges	420	420	87	333
Conference Registration	500	500	61	439
Equipment and Software	3,000	3,000	-	3,000
Fiscal Agency Services	23,000	23,000	3,650	19,350
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	133	267
Printing/Photocopies	2,500	2,500	514	1,986
Professional Services	15,000	15,000	-	15,000
Publications/Subscriptions	250	250	-	250
Supplies	1,500	1,500	412	1,088
Telecommunications/Internet	2,000	2,000	275	1,725
Travel	15,000	15,000	1,200	13,800
Insurance	1,000	1,000	977	23
Total General & Administrative Costs	257,901	257,901	48,458	209,443
Total Expenditures	63,008,529	63,008,529	3,594,054	59,414,475
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(50,409,529)	(50,409,529)	(1,701,657)	48,707,872
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	\$ (50,409,529)	\$ (50,409,529)	\$ (1,701,657)	\$ 48,707,872

## Flood Prevention District Sales Tax Trends 2009-2013

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

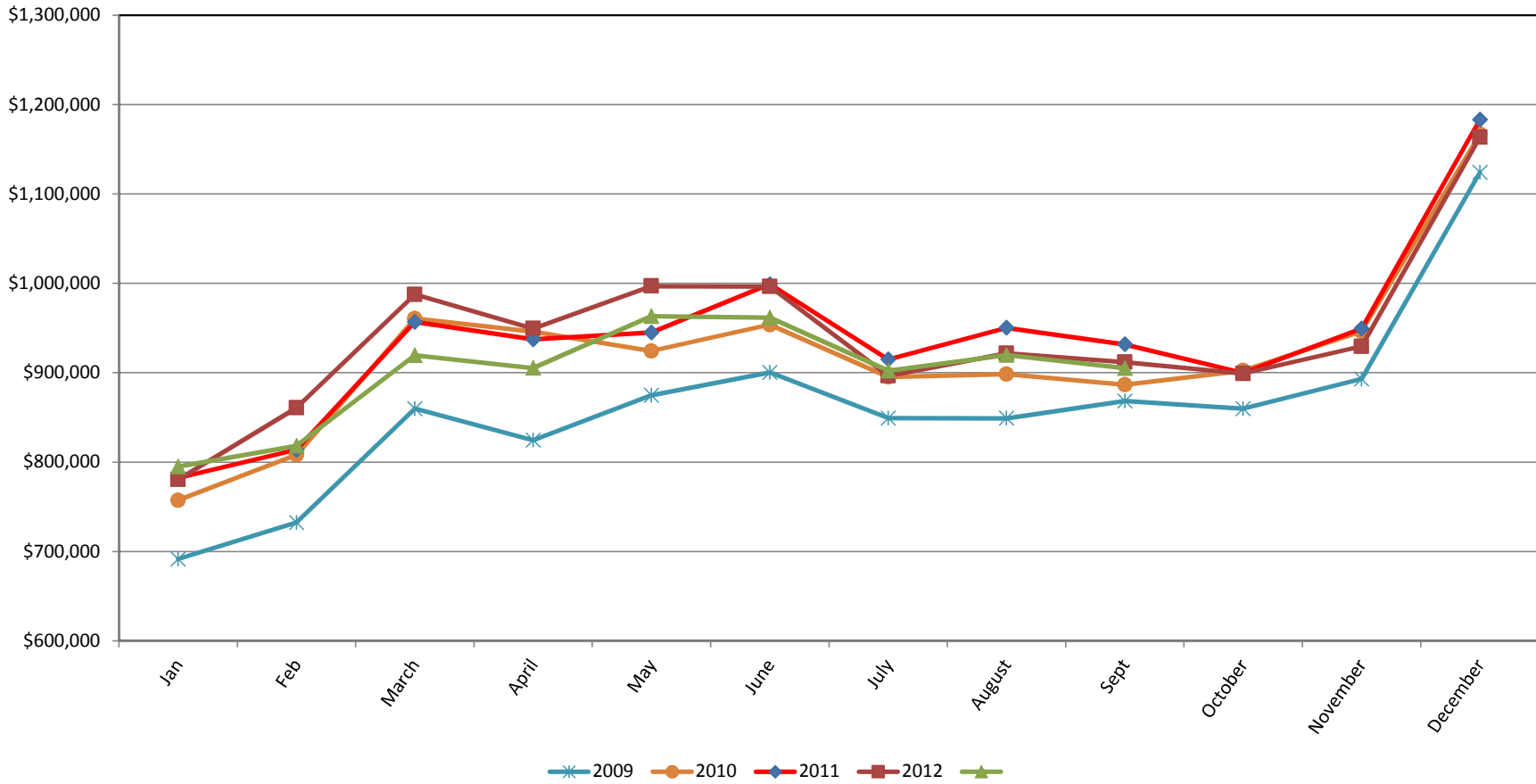
## ***Flood Prevention District Sales Tax Trends 2009-2013***

	<b>2013</b>												
	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				\$3,826,926
St. Clair	\$381,645	\$395,527	\$449,397	\$434,001	\$457,942	\$462,603	\$422,892	\$432,195	\$430,014				\$3,866,216
Monroe	\$37,888	\$39,679	\$45,689	\$45,913	\$48,212	\$47,694	\$42,672	\$45,143	\$44,733				\$397,623
Total Month	\$794,931	\$818,376	\$919,593	\$905,383	\$963,366	\$961,791	\$902,250	\$919,787	\$905,288				\$8,090,765
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				
% change/month	1.83%	-4.94%	-6.89%	-4.64%	-3.37%	-3.48%	0.64%	-0.21%	-0.74%				
% change/total	1.83%	-1.72%	-3.66%	-3.92%	-3.80%	-3.74%	-3.14%	-2.77%	-2.55%				



# Flood Prevention District Sales Tax Trends 2009-2013

## Actual Receipts 2009-2013



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
 SUPPLEMENTARY SUPPORTING SCHEDULE  
 BANK TRANSACTIONS  
 NOVEMBER 30, 2013**

Beginning Bank Balance November 1			<b>\$ 994,666.35</b>
Receipts			
UMB	11/12/2013	Funds Transfer Construction	496,386.00
Deposit	11/29/2013	November Interest	202.15
			<b>496,588.15</b>
Disbursements			
Wood River Drainage and Levee Distr	11/08/2013	Electrical Partial Billing	11,000.00
Madison County Title	11/11/2013	Title Work	4,861.00
Raven Securities Inc	11/11/2013	Easement	200.00
Roxana Landfill, Inc.	11/11/2013	Wetland Mitigation Plan	479,400.00
Town & County Title Co	11/11/2013	Title Searches	136.00
Village of Roxana	11/11/2013	Easement	800.00
The Bank-Service Fees	11/12/2013	Wire Transfer Fee	10.00
City of Alton	11/21/2013	Easement	3,500.00
CliftonLarsonAllen LLP	11/21/2013	Fiscal Agent	1,850.00
Korte & Luitjohan Contractors	11/21/2013	Construction	9,900.00
Marks & Associates	11/21/2013	Diversity Program	15,440.00
Smith Dawson & Andrews	11/21/2013	Professional Services	5,000.00
St. Clair County Delinquent Tax Agent	11/21/2013	Easements	19,355.00
The Bank-Service Fees	11/29/2013	Bank Fees	17.56
Panera Bread	11/12/2013	Meeting	25.29
B & H Photo Video	11/20/2013	Office	85.74
FEDEX	11/21/2013	Delivery	26.08
AT&T	11/29/2013	Telephone	72.58
			<b>551,679.25</b>
			<b>\$ 939,575.25</b>



Memo to: Board of Directors

From: Les Serman

Subject: Selection of Contractor for Construction Package #3 – Construction of Relief Wells, Berms, Conveyance System, Blanket Drains, Earthen Ditch, Box Culvert, Sluice Gates, Spillway Structures and Piezometers in the Wood River District

Date: December 13, 2013

Bid Package #3 is generally for construction of various underseepage controls and related infrastructure in the Wood River district. The Council issued an invitation to bid on the subject contract on October 13, 2013. A copy of the invitation is included as Attachment 1.

An advertisement for bid was published in the following newspapers the week of October 13, 2013: St. Louis Post Dispatch, Edwardsville Intelligencer, Belleville News Democrat, East St. Louis Monitor and the Republic Times.

A pre-bid meeting was held on Thursday, October 24, 2013 at the Council offices. The meeting was attended by 37 individuals, including staff. On December 3, 2013 at 2:01 pm, bids were received from four firms and read aloud. The bids from those four firms are for the following amounts:

Keller Construction:	\$10,082,345.00
Plocher Construction:	\$10,890,021.00
Korte & Luitjohan:	\$11,447,470.30
ESI Construction:	\$18,849,859.21

The Council's budget for this work is \$12,920,000, with an additional 7% contingency amount.

The apparent low bid was Keller Construction from Glen Carbon, Illinois.

AMEC reviewed the following:

- Confirmed the prequalification status as stated on the bid form
- Confirmed the addendums were acknowledged
- Verified the math on the schedule of values (noted one minor error but did not affect the bid, also one line item was bid at \$0.01 per Lump Sum for dewatering)
- Confirmed the bid form was signed and attested
- Reviewed the bid bond

- Reviewed the schedules provided (Keller's schedule is 1 month beyond the due date, they have verbally agreed to condense the schedule to fit the proposal)
- Contacted and reviewed references (called three, one returned positive, two verbal positives)
- Reviewed and discussed utilization of M/D/WBE subcontractors

AMEC further reviewed the specifications, bonding requirements, QA/QC material testing procedures and payment procedures to verify the District is protected during construction and quality construction is provided.

We reviewed the bids for primary difference between the four bidders. The prices for the bid items varied across all the bidders. The detailed bids are attached.

Keller made a \$12,000 error on line 3.45 of the bid with 2 each, Sluice Gate w/ removable hand wheel for \$12,000 each totaling \$12,000 instead of \$24,000, however the overall bid total was correct (most likely a result of copying the bid over from a separate spreadsheet that did not contain the error).

We received three favorable references for Keller.

Keller's schedule shows a completion date of Sep 29 and the specification reference completion by Sep 1. Keller has verbally agreed to revise the schedule, stating the longer duration was in error. This will be corrected before the contract is executed.

The next closest bidder was \$807,676 higher and while individual line items vary between all the bidders, a comparison between the apparent low bidder and the next lowest bidder indicates that of the first seven line items, the apparent low bidder was approximately \$841,000 lower than the next bidder. These items were lines, 3.01 to 3.07 including: Mobilization, Bond, Insurance; Construction Staking; Erosion & Sediment Control; Temporary Access Road and Road Maintenance; Dewatering; Seeding, Mulching and Site Restoration; and Traffic Control. These items make up the majority of the difference in the bids and in our opinion does not indicate any bidding irregularities.

It should be noted Keller bid \$0.01 Lump Sum for dewatering. This firm believes that dewatering will be minor. Any dewatering will be done for the \$0.01 cost.

Minority participation in Keller's bid is \$111,000. We will work to increase that amount prior to executing a contract by seeking the participation of addition qualified minority subcontractors on the project.

Based on their review, AMEC concluded that Keller Construction is qualified to perform the work and has recommended that the Council select this company to perform Construction Package 03.

### Recommendation

Authorize the Chief Supervisor to execute a contract with Keller Construction to perform Construction Package #03 at a total cost not to exceed \$10,082,345.00.

## INVITATION TO BID

Notice is hereby given that the Southwestern Illinois Flood Prevention District Council (SIFPDC), the OWNER, will receive sealed Bids delivered to Mr. Les Sterman at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234 until **2:00 p.m.** local time on **Tuesday, December 3, 2013**, for the construction of Southwestern Illinois Flood Prevention District Council Project (BID PACKAGE 03). Bids will be publicly opened and read at the SIFPDC Office at **2:01 p.m.** local time on **Tuesday, December 3, 2013**.

A pre-bid conference will be held at **9:00 a.m.** on **Thursday, October 24, 2013**, at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234. Representatives of OWNER (ENGINEER) will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference. The ENGINEER will transmit to all prospective Bidders of Record such Addenda as ENGINEER considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.

The project consists of improvements to the Wood River Levee system including construction of:

- New relief wells
- Seepage berms
- Pipe conveyance systems
- New earthen ditch
- Box culvert
- Concrete weir & spillway structures
- Storm Drain Manholes & Catch Basin Structures
- New Sluice Gates
- Inline 'duckbill' check valve
- Blanket drains (aggregate filters)
- Piezometers

Additional work includes modification to existing relief wells and abandonment of existing relief wells. The improvements are levee wide along the Upper Wood River and Lower Wood River Levee systems.

All Bidders are required to submit with their bid, qualification information as described in Document 00200, Instructions to Bidders.

Bidding Documents may be obtained after **12:00 p.m. (noon time)** on **Thursday, October 17, 2013**, by submitting the following contact information to Kendra Mitchom (kendra.mitchom@amec.com) (618) 346-9120.

Contact Name:  
Company Name:  
Company Address:  
Company Phone:  
Cell Phone:  
E-mail Address:  
Contractor Type:

**PROJECT # SIFPDC-BP03**

All Bids will remain subject to acceptance for ninety days after the day of Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

A Bid security in the amount of five percent of the Bidder's maximum Bid Price, including all optional work items, is required. The OWNER reserves the right to reject any or all Bids and to waive all informalities not involving rice, time, or changes in the Work.

### Bid Package #3 Tabulation

				Plocher Construction	ESI Contracting Corp.	Keller Construction	Korte & Luitjohan	High	Low	Average
3.01	Mobilization, Bond, Insurance	1	LS	\$790,000.00	\$ 900,000.00	\$498,000.00	\$ 751,000.00	\$ 900,000.00	\$ 498,000.00	\$ 734,750.00
3.02	Construction Staking	1	LS	\$100,000.00	\$ 250,000.00	\$ 36,334.00	\$ 67,800.00	\$ 250,000.00	\$ 36,334.00	\$ 113,533.50
3.03	Erosion & Sediment Control	1	LS	\$ 60,000.00	\$ 517,546.68	\$ 70,000.00	\$ 79,000.00	\$ 517,546.68	\$ 60,000.00	\$ 181,636.67
3.04	Temporary Access Road and Road Maintenance	1	LS	\$750,000.00	\$ 558,069.68	\$318,000.00	\$ 52,000.00	\$ 750,000.00	\$ 52,000.00	\$ 419,517.42
3.05	Dewatering	1	LS	\$ 30,000.00	\$ 750,000.00	\$ 0.01	\$ 36,200.00	\$ 750,000.00	\$ 0.01	\$ 204,050.00
3.06	Seeding, Mulching and Site Restoration	1	LS	\$150,000.00	\$ 385,291.69	\$ 97,002.00	\$ 246,500.00	\$ 385,291.69	\$ 97,002.00	\$ 219,698.42
3.07	Traffic Control	1	LS	\$100,000.00	\$ 250,000.00	\$120,000.00	\$ 16,100.00	\$ 250,000.00	\$ 16,100.00	\$ 121,525.00
3.08	Blanket Drain #1	1	LS	\$ 26,000.00	\$ 31,353.80	\$ 15,160.00	\$ 14,500.00	\$ 31,353.80	\$ 14,500.00	\$ 21,753.45
3.09	Blanket Drain #2	1	LS	\$385,000.00	\$ 478,988.47	\$359,200.00	\$ 441,000.00	\$ 478,988.47	\$ 359,200.00	\$ 416,047.12
3.10	Blanket Drain #3	1	LS	\$370,000.00	\$ 322,405.68	\$228,000.00	\$ 211,000.00	\$ 370,000.00	\$ 211,000.00	\$ 282,851.42
3.11	Blanket Drain #4	1	LS	\$100,000.00	\$ 161,129.22	\$ 94,800.00	\$ 120,700.00	\$ 161,129.22	\$ 94,800.00	\$ 119,157.31
3.12	Blanket Drain #5	1	LS	\$990,000.00	\$ 1,142,027.06	\$934,350.00	\$ 1,095,000.00	\$ 1,142,027.06	\$ 934,350.00	\$ 1,040,344.27
3.13	Blanket Drain #6	1	LS	\$110,000.00	\$ 215,809.04	\$107,003.00	\$ 101,800.00	\$ 215,809.04	\$ 101,800.00	\$ 133,653.01
3.14	Blanket Drain #7	1	LS	\$360,000.00	\$ 257,310.66	\$295,968.00	\$ 277,000.00	\$ 360,000.00	\$ 257,310.66	\$ 297,569.67
3.15	Box Culvert - LWR Station 607+50	1	LS	\$ 75,500.00	\$ 110,455.58	\$ 65,276.00	\$ 71,000.00	\$ 110,455.58	\$ 65,276.00	\$ 80,557.90
3.16	Catch Basin - 48 inch X 48 inch	7	EA	\$ 45,500.00	\$ 70,196.00	\$ 37,282.00	\$ 56,350.00	\$ 70,196.00	\$ 37,282.00	\$ 52,332.00
3.17	Check Valve (inline) - 48 inch	1	EA	\$ 50,000.00	\$ 72,789.01	\$ 20,392.00	\$ 55,000.00	\$ 72,789.01	\$ 20,392.00	\$ 49,545.25
3.18	CMP Pipe - 12 inch	30	LF	\$ 1,950.00	\$ 6,302.10	\$ 8,400.00	\$ 3,960.00	\$ 8,400.00	\$ 1,950.00	\$ 5,153.03
3.19	Ditch - LWR Station 600+00 to 609+00	1	LS	\$ 22,000.00	\$ 84,627.81	\$ 60,000.00	\$ 81,000.00	\$ 84,627.81	\$ 22,000.00	\$ 61,906.95
3.20	End Section & Flap Gate	42	EA	\$210,000.00	\$ 377,694.24	\$201,600.00	\$ 295,260.00			
3.21	Fill - LWR Station 188+00	1	HR	\$ 1,000.00	\$ 1,892.60	\$ 574.00	\$ 45,000.00	\$ 45,000.00	\$ 574.00	\$ 12,116.65
3.22	Flared End Section (Reinf. Conc.) - 12 inch	2	EA	\$ 800.00	\$ 10,660.82	\$ 1,534.00	\$ 2,400.00	\$ 10,660.82	\$ 800.00	\$ 3,848.71
3.23	HDPE Pipe - 12 inch	3,129	LF	\$112,644.00	\$ 866,545.26	\$195,562.50	\$ 90,741.00	\$ 866,545.26	\$ 90,741.00	\$ 316,373.19
3.24	HDPE Pipe - 18 inch	591	LF	\$ 30,732.00	\$ 171,419.55	\$ 30,271.02	\$ 27,777.00	\$ 171,419.55	\$ 27,777.00	\$ 65,049.89



### Bid Package #3 Tabulation

				Plocher Construction	ESI Contracting Corp.	Keller Construction	Korte & Luitjohan	High	Low	Average
3.25	HDPE Pipe - 24 inch	47	LF	\$ 3,290.00	\$ 20,946.96	\$ 4,006.75	\$ 4,089.00	\$ 20,946.96	\$ 3,290.00	\$ 8,083.18
3.26	HDPE Pipe - 36 inch	48	LF	\$ 6,000.00	\$ 21,765.60	\$ 5,416.32	\$ 4,896.00	\$ 21,765.60	\$ 4,896.00	\$ 9,519.48
3.27	HDPE Tee - All sizes	4	EA	\$ 2,800.00	\$ 1,364.68	\$ 3,456.00	\$ 7,480.00	\$ 7,480.00	\$ 1,364.68	\$ 3,775.17
3.28	HDPE Pipe in Tunnel - 18 inch	100	LF	\$ 40,000.00	\$ 65,724.00	\$ 35,694.00	\$ 45,000.00	\$ 65,724.00	\$ 35,694.00	\$ 46,604.50
3.29	Manhole - 48 inch	6	EA	\$25,200	\$39,058	\$37,896	\$20,400	\$39,058	\$20,400	\$30,639
3.30	Piezometer - Above Grade	34	EA	\$374,000	\$674,420	\$307,224	\$448,800	\$674,420	\$307,224	\$451,111
3.31	Piezometer - At Grade	22	EA	\$220,000	\$450,264	\$198,792	\$261,800	\$450,264	\$198,792	\$282,714
3.32	Pilot Hole - Relief Well	1,996	VF	\$143,712	\$289,600	\$147,604	\$247,504	\$289,600	\$143,712	\$207,105
3.33	Random Fill Area # 1	52,033	CY	\$468,297	\$991,229	\$433,435	\$1,087,490	\$1,087,490	\$433,435	\$745,113
3.34	Random Fill Area # 2	35,829	CY	\$358,290	\$684,334	\$295,589	\$802,570	\$802,570	\$295,589	\$535,196
3.35	RCP Pipe - 24 inch	12	LF	\$840	\$42,000	\$987	\$2,100	\$42,000	\$840	\$11,482
3.36	Relief Well - Abandonment	38	EA	\$110,200	\$278,027	\$109,592	\$233,168	\$278,027	\$109,592	\$182,747
3.37	Relief Well - Convert to Type "T"	12	EA	\$120,000	\$154,896	\$82,812	\$120,000	\$154,896	\$82,812	\$119,427
3.38	Relief Well - Type "D"	3,254	VF	\$1,187,710	\$2,118,484	\$1,623,063	\$1,262,552	\$2,118,484	\$1,187,710	\$1,547,952
3.39	Relief Well - Type "T"	3,186	VF	\$1,481,490	\$2,686,945	\$1,884,009	\$1,417,770	\$2,686,945	\$1,417,770	\$1,867,554
3.40	Rip Rap Stream Bank Protection	2,622	CY	\$157,320	\$300,114	\$193,713	\$165,186	\$300,114	\$157,320	\$204,083
3.41	Seepage Berm #1	2,638	CY	\$84,416	\$118,077	\$36,932	\$50,122	\$118,077	\$36,932	\$72,387
3.42	Seepage Berm #2	5,674	CY	\$170,220	\$233,372	\$76,486	\$104,969	\$233,372	\$76,486	\$146,262
3.43	Seepage Berm #3	65	CY	\$6,500	\$10,657	\$3,510	\$1,560	\$10,657	\$1,560	\$5,557
3.44	Seepage Berm #4	25,587	CY	\$767,610	\$1,029,621	\$350,798	\$537,327	\$1,029,621	\$350,798	\$671,339
3.45	Sluice Gate w/Removable Handwhell - 30 inch	2	EA	\$19,000	\$39,439	\$24,000	\$28,400	\$39,439	\$19,000	\$27,710
3.46	Sluice Gate w/Removable Handwhell - 42 inch	1	EA	\$9,000	\$21,562	\$14,027	\$15,700	\$21,562	\$9,000	\$15,072
3.47	Wier #1	1	LS	\$55,000	\$86,793	\$37,595	\$33,600	\$86,793	\$33,600	\$53,247
3.48	Wier #2	1	LS	\$25,000	\$78,933	\$48,000	\$30,800	\$78,933	\$25,000	\$45,683
3.49	Wier #3	1	LS	\$30,000	\$77,676	\$47,000	\$31,200	\$77,676	\$30,000	\$46,469
3.50	Wier #4	1	LS	\$153,000	\$342,042	\$286,000	\$244,900	\$342,042	\$153,000	\$256,486
<b>#</b>										
<b>GRAND TOTAL - BID PACKAGE 03</b>				<b>\$10,890,021</b>	<b>\$18,849,859</b>	<b>\$10,082,345</b>	<b>\$11,447,470</b>	<b>\$18,849,859</b>	<b>\$10,082,345</b>	<b>\$12,817,424</b>

### Bid Package #3 Tabulation

	Plocher Construction	ESI Contracting Corp.	Keller Construction	Korte & Luitjohan	High	Low	Average
<b>CONTRACTOR INFORMATION</b>							
American Institute of Architects (AIA) Document A305	Y	Y	Y	Y			
IDOT Prequalified	Y	N	Y	Y			
MoDOT Prequalified	Y	Y	N	N			
MSD Prequalified	Y	N	Y	N			
Addendum #1	Y	Y	Y	Y			
Addendum #2	Y	Y	Y	Y			
Addendum #3	Y	Y	Y	Y			
Bid Bond (ATTACHMENT 300-B)	Y	Y	Y	Y			
MBE / WBE FORM No 2 - Proposed Utilization	Y	Y	Y	Y			
BID SIGNED & SEALED	Y	Y	Y	Y			
List of Sub-Contractors	Y	N	Y	N			
References	Y	Y	Y	Y			



Memo to: Board of Directors

From: Les Sterman

Subject: Selection of Contractor for Construction Package #4 – Construction of Relief Wells, Conveyance System, Clay Cap, Piezometers and One Pump Station in the Metro-East Sanitary District

Date: December 13, 2013

Bid Package #4 is generally for construction of various underseepage controls and related infrastructure in the Metro-East Sanitary District. The Council issued an invitation to bid on the subject contract on October 20, 2013. A copy of the invitation is included as Attachment 1.

An advertisement for bid was published in the following newspapers the week of October 20, 2013: St. Louis Post Dispatch, Edwardsville Intelligencer, Belleville News Democrat, East St. Louis Monitor and the Republic Times.

A pre-bid meeting was held on Thursday, October 31, 2013 at the Council offices. The meeting was attended by 25 individuals, including staff. On December 3, 2013 at 2:01 pm, bids were received from five firms and read aloud. The bids from those five firms are for the following amounts:

Haier Plumbing:	\$3,190,232.45
Keller Construction:	\$3,632,498.50
Korte & Luitjohan:	\$4,128,737.22
Hanks Excavating:	\$4,202,212.00
Baxmeyer Construction:	\$4,555,375.48

The Council's budget for this work is \$4,720,000, with an additional 7% contingency amount.

The apparent low bid was Haier Plumbing from Okawville, Illinois.

AMEC reviewed the following:

- Confirmed the prequalification status as stated on the bid form
- Confirmed the addendums were acknowledged
- Verified the math on the schedule of values
- Confirmed the bid form was signed and attested
- Reviewed the schedules provided
- Reviewed the bid bond

- Contacted and reviewed references (three contact, three returned, positive)
- Reviewed and discussed utilization of M/D/WBE subcontractors

AMEC further reviewed the specifications, bonding requirements, QA/QC material testing procedures and payment procedures to verify the District is protected during construction and quality construction is provided.

We reviewed the bids for primary difference between the four bidders. The prices for the bid items varied across all the bidders. The detailed bids are attached.

Next closest bidder was \$442,266.05 higher and while individual line items vary between all the bidders, a comparison between the apparent low bidder and the next lowest bidder indicates that of the first seven line items, the apparent low bidder was approximately \$179,000 lower than the next bidder. These items were lines, 3.01 to 3.07 including: Mobilization, Bond, Insurance; Construction Staking; Erosion & Sediment Control; Temporary Access Road and Road Maintenance; Dewatering; Seeding, Mulching and Site Restoration; and Traffic Control. And the items related to Pipe, Manholes, and Relief Wells were approximately \$260,000 lower. These items make up the majority of the difference in the bids and in our opinion does not indicate any bidding irregularities.

Based on our review, AMEC concludes that Haier Plumbing is qualified to perform the work and has recommended that the Council select this company to perform Construction Package 04. Next closest bidder was \$442,266.05 higher.

Haier Plumbing ran an advertisement to solicit the participation of minority businesses but was unsuccessful in obtaining participation. If selected by the Board, we will work with Haier to identify qualified minority subcontractors to participate in the project.

#### Recommendation

Authorize the Chief Supervisor to execute a contract with Haier Plumbing to perform Construction Package #03 at a total cost not to exceed \$3,190,232.45.

## INVITATION TO BID

Notice is hereby given that the Southwestern Illinois Flood Prevention District Council (SIFPDC), the OWNER, will receive sealed Bids delivered to Mr. Les Sterman at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234 until 2:00 p.m. local time on **Tuesday, December 03, 2013**, for the construction of Southwestern Illinois Flood Prevention District Council Project (BID PACKAGE 04). Bids will be publicly opened and read at the SIFPDC Office at **2:10 p.m.** local time on **Tuesday, December 03, 2013**.

A pre-bid conference will be held at **9:00 a.m.** on **Thursday, October 31, 2013**, at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234. Representatives of OWNER (ENGINEER) will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference. The ENGINEER will transmit to all prospective Bidders of Record such Addenda as ENGINEER considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.

The project consists of improvements to the Metro East Sanitary District (MESD) Levee system including construction of:

- New relief wells
- Conversion of existing relief wells to Type "T" wells
- Riverside Clay Cap
- Pipe conveyance systems
- Storm Drain Manholes
- Piezometers
- 1 Pump Station

Additional work includes modification to existing relief wells and abandonment of existing relief wells. The improvements are within the MESD levee system from Station 1209+00 to 1242+00.

All Bidders are required to submit with their bid, qualification information as described in Document 00 200, Instructions to Bidders.

Bidding Documents may be obtained after **12:00 p.m. (noon time)** on **Tuesday, October 29, 2013**, by submitting the following contact information to Kendra Mitchom (kendra.mitchom@amec.com) (618) 346-9120.

Contact Name:  
Company Name:  
Company Address:  
Company Phone:  
Cell Phone:  
E-mail Address:  
Contractor Type:

### **PROJECT # SIFPDC-BP04\_REV01**

All Bids will remain subject to acceptance for ninety days after the day of Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

A Bid security in the amount of five percent of the Bidder's maximum Bid Price, including all optional work items, is required. The OWNER reserves the right to reject any or all Bids and to waive all informalities not involving price, time, or changes in the Work.

				Baxmeyer Construction	Hank's Excavating	Keller Construction	Korte & Luitjohan	Haier Plumbing	High	Low	Average
4.01	Mobilization, Bond, Insurance	1	LS	\$ 231,500.00	\$ 47,000.00	\$ 176,000.00	\$178,600	\$300,000	\$300,000	\$47,000	\$186,620
4.02	Construction Staking	1	LS	\$ 20,600.00	\$ 25,000.00	\$ 11,000.00	\$21,600	\$13,900	\$25,000	\$11,000	\$18,420
4.03	Erosion & Sediment Control	1	LS	\$ 63,840.00	\$ 37,000.00	\$ 4,050.00	\$51,000	\$15,000	\$63,840	\$4,050	\$34,178
4.04	Temporary Access Road and Road Maintenance	1	LS	\$ 20,860.00	\$ 82,000.00	\$ 10,080.00	\$35,000	\$5,000	\$82,000	\$5,000	\$30,588
4.05	Dewatering	1	LS	\$ 135,130.00	\$ 675,000.00	\$ 368,840.00	\$295,500	\$50,000	\$675,000	\$50,000	\$304,894
4.06	Seeding, Mulching and Site Restoration	1	LS	\$ 36,410.00	\$ 200,000.00	\$ 13,200.00	\$266,500	\$20,000	\$266,500	\$13,200	\$107,222
4.07	Traffic Control	1	LS	\$ 9,500.00	\$ 1,000.00	\$ 1,200.00	\$10,200	\$1,000	\$10,200	\$1,000	\$4,580
4.08	Clay Cap Blanket - Station 1209+00 to 1225+00	11993	CY	\$ 275,839.00	\$ 359,790.00	\$ 161,905.50	\$257,850	\$275,839	\$359,790	\$161,906	\$266,245
4.09	HDPE Pipe - 12 inch	758	LF	\$ 126,586.00	\$ 78,832.00	\$ 63,672.00	\$47,754	\$25,772	\$126,586	\$25,772	\$68,523
4.1	HDPE Pipe - 18 inch	1371	LF	\$ 109,268.70	\$ 75,405.00	\$ 68,550.00	\$69,921	\$57,239	\$109,269	\$57,239	\$76,077
4.11	HDPE Pipe - 24 inch	1472	LF	\$ 137,337.60	\$ 147,200.00	\$ 91,264.00	\$97,167	\$84,787	\$147,200	\$84,787	\$111,551
4.12	HDPE Pipe - 30 inch	65	LF	\$ 13,123.50	\$ 25,025.00	\$ 6,435.00	\$9,880	\$4,615	\$25,025	\$4,615	\$11,816
4.13	HDPE Tee - All sizes	25	EA	\$ 76,450.00	\$ 13,500.00	\$ 18,700.00	\$25,000	\$16,250	\$76,450	\$13,500	\$29,980
4.14	Manhole - 48"	10	EA	\$ 27,850.00	\$ 42,000.00	\$ 35,910.00	\$57,000	\$19,800	\$57,000	\$19,800	\$36,512
4.15	Manhole - 60"	2	EA	\$ 8,610.00	\$ 16,000.00	\$ 13,822.00	\$13,200	\$7,190	\$16,000	\$7,190	\$11,764
4.16	Relief Well - Type "T"	1598	VF	\$ 1,277,840.70	\$ 783,020.00	\$ 1,073,856.00	\$1,057,876	\$878,900	\$1,277,841	\$783,020	\$1,014,299
4.17	Relief Well - Convert to Type "T"	17	EA	\$ 169,085.74	\$ 182,750.00	\$ 119,000.00	\$95,200	\$136,000	\$182,750	\$95,200	\$140,407
4.18	Relief Well - Abandonment	22	EA	\$ 126,445.00	\$ 64,900.00	\$ 70,400.00	\$112,200	\$57,200	\$126,445	\$57,200	\$86,229
4.19	Piezometer	13	EA	\$ 229,002.80	\$ 162,500.00	\$ 143,000.00	\$237,900	\$117,000	\$237,900	\$117,000	\$177,881
4.2	Abandon Piezometer	6	EA	\$ 13,365.00	\$ 17,700.00	\$ 8,400.00	\$15,000	\$7,200	\$17,700	\$7,200	\$12,333
4.21	Relief Well Testing	38	HR	\$ 20,838.44	\$ 28,880.00	\$ 38,000.00	\$16,340	\$32,680	\$38,000	\$16,340	\$27,348
4.22	Security Fence (Remove / Replace)	3190	LF	\$ 133,342.00	\$ 140,360.00	\$ 130,790.00	\$143,550	\$140,360	\$143,550	\$130,790	\$137,680
4.23	Raising Concrete Vault	1	EA	\$ 24,050.00	\$ 10,000.00	\$ 4,806.00	\$20,000	\$3,000	\$24,050	\$3,000	\$12,371
4.24	Concrete Wet Well & Outfall Structure, Complete	1	LS	\$ 673,849.00	\$ 520,000.00	\$ 542,149.00	\$445,500	\$384,000	\$673,849	\$384,000	\$513,100
4.25	Forcemain Piping & Accessories for Pump Station	1	LS	\$ 130,000.00	\$ 138,350.00	\$ 147,235.00	\$243,000	\$250,000	\$250,000	\$130,000	\$181,717
4.26	Sluice Gates & Accessories	1	LS	\$ 43,152.00	\$ 30,000.00	\$ 43,741.00	\$31,500	\$40,000	\$43,741	\$30,000	\$37,679

				Baxmeyer Construction	Hank's Excavating	Keller Construction	Korte & Luitjohan	Haier Plumbing	High	Low	Average
4.27	Pumps, Pump Controls, Instrumentation, Accessories & Panels	1	LS	\$ 400,000.00	\$ 278,000.00	\$ 241,760.00	\$247,000	\$222,500	\$400,000	\$222,500	\$277,852
4.28	All Electrical Wiring & Electrical components	1	LS	\$ 21,500.00	\$ 21,000.00	\$ 24,733.00	\$27,500	\$25,000	\$27,500	\$21,000	\$23,947
<b>#</b>											
GRAND TOTAL - BID PACKAGE 04				\$ 4,555,375.48	\$ 4,202,212.00	\$ 3,632,498.50	\$4,128,737	\$3,190,232	\$4,555,375	\$3,190,232	\$3,941,811
<b>Submittal Information</b>											
FORCEMAIN PIPE MANUFACTURER				Clow	Griffin	Clow	Griffin	Griffin			
SLUICE GATE MANUFACTURER				Rodney Hunt	Rodney Hunt	Rodney Hunt	Rodney Hunt	Rodney Hunt			
SLUICE GATE MATERIAL				Rodney Hunt	Ressler	Stainless Steel	Stainless Steel	Stainless Steel			
PUMPS MANUFACTURER				Flyght	ABS	Flyght	Flyght	ABS			
PUMP CONTROLS MANUFACTURER				VanDeventer	ECC	Flyght	Flyght	ECC			
<b>CONTRACTOR INFORMATION</b>											
American Institute of Architects (AIA) Document A305				Y	Y	Y	Y	Y			
IDOT Prequalified				Y	Y	Y	Y	Y			
MoDOT Prequalified				N	Y	Y	N	N			
MSD Prequalified				N	Y	N	N	N			
Addendum #1				Y	Y	Y	Y	Y			
Addendum #2				Y	Y	Y	Y	Y			
Addendum #3				Y	Y	Y	Y	Y			
Addendum #4				Y	Y	Y	Y	Y			
Bid Bond (ATTACHMENT 300-B)				Y	Y	Y	Y	Y			
MBE / WBE FORM No 2 - Proposed Utilization				Y	Y	Y	Y	Y			
BID SIGNED & SEALED				Y	Y	Y	Y	Y			
List of Sub-Contractors				N	N	Y	N	N			
References				Y	Y	Y	Y	Y			



Memo to: Board of Directors

From: Les Sterman

Subject: Selection of Contractor for Construction Package #5 – Construction of Relief Wells, Berms, Conveyance System, Riverside Clay Cap, Sluice Gates and Piezometers in the Metro-East Sanitary District

Date: December 13, 2013

Bid Package #5 is generally for construction of various underseepage controls and related infrastructure in the Metro-East Sanitary District. The Council issued an invitation to bid on the subject contract on October 13, 2013. A copy of the invitation is included as Attachment 1.

An advertisement for bid was published in the following newspapers the week of October 20, 2013: St. Louis Post Dispatch, Edwardsville Intelligencer, Belleville News Democrat, East St. Louis Monitor and the Republic Times.

A pre-bid meeting was held on Thursday, October 24, 2013 at the Council offices. The meeting was attended by 37 individuals, including staff. On December 3, 2013 at 2:01 pm, bids were received from two firms and read aloud. The bids from those two firms are for the following amounts:

Keller Construction:	\$8,256,481.84
Haier Plumbing:	\$9,722,761.60

The Council's budget for this work is \$14,487,000, with an additional 7% contingency amount.

The apparent low bidder was Keller Construction from Glen Carbon, Illinois.

AMEC reviewed the following:

- Confirmed the prequalification status as stated on the bid form
- Confirmed the addendums were acknowledged
- Verified the math on the schedule of values
- Confirmed the bid form was signed and attested
- Reviewed the schedules provided
- Reviewed the bid bond
- Contacted and reviewed references (called three, one returned positive, two verbal positives)
- Reviewed and discussed utilization of minority subcontractors



AMEC further reviewed the specifications, bonding requirements, QA/QC material testing procedures and payment procedures to verify the District is protected during construction and quality construction is provided.

AMEC reviewed the bids for primary difference between the four bidders. The prices for the bid items varied across all the bidders. The detailed bids are attached.

Based on their review, AMEC concluded that Keller Construction is qualified to perform the work and has recommended that the Council select this company to perform Construction Package 05.

We received three references for Keller and all were positive.

The next closest bidder was \$1,154,879.76 higher and while individual line items vary between all the bidders, a comparison between the apparent low bidder and the next lowest bidder indicates that of the amount bid for 148,912 cubic yards of clay cap was approximately \$1,632,000 lower than the next bidder. This item make up the majority of the difference in the bids and in our opinion does not indicate any bidding irregularities.

The minority participation in Keller's bid is \$1,086,342, which is a reasonable effort by the firm to comply with the Council's policy.

Recommendation

Authorize the Chief Supervisor to execute a contract with Keller Construction to perform Construction Package #03 at a total cost not to exceed \$8,256,481.84

## INVITATION TO BID

Notice is hereby given that the Southwestern Illinois Flood Prevention District Council (SIFPDC), the OWNER, will receive sealed Bids delivered to Mr. Les Sterman at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234 until **2:00 p.m.** local time on **Tuesday, December 03, 2013**, for the construction of Southwestern Illinois Flood Prevention District Council Project (BID PACKAGE 05). Bids will be publicly opened and read at the SIFPDC Office at **2:05 p.m.** local time on **Tuesday, December 03, 2013**.

A pre-bid conference will be held at **10:00 a.m.** on **Thursday, October 24, 2013**, at the SIFPDC Office, 104 United Drive, Collinsville, Illinois 62234. Representatives of OWNER (ENGINEER) will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference. The ENGINEER will transmit to all prospective Bidders of Record such Addenda as ENGINEER considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.

The project consists of improvements to the Wood River Levee system including construction of:

- New relief wells
- Conversion of existing relief wells to Type "T" wells
- Fill Areas
- Riverside Clay Cap
- Pipe conveyance systems
- Storm Drain Manholes
- New Sluice Gates
- Piezometers
- Rehabilitation of existing sluice gate along with the installation of a new sluice gate

Additional work includes modification to existing relief wells and abandonment of existing relief wells. The improvements are levee wide minus any improvements between MESD STA 1209+00 to 1242+00.

All Bidders are required to submit with their bid, qualification information as described in Document 00200, Instructions to Bidders.

Bidding Documents may be obtained after **12:00 p.m. (noon time)** on **Tuesday, October 22, 2013**, by submitting the following contact information to Kendra Mitchom ([kendra.mitchom@amec.com](mailto:kendra.mitchom@amec.com)) (618) 346-9120.

Contact Name:  
Company Name:  
Company Address:  
Company Phone:  
Cell Phone:  
E-mail Address:  
Contractor Type:

**PROJECT # SIFPDC-BP05**

All Bids will remain subject to acceptance for ninety days after the day of Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

A Bid security in the amount of five percent of the Bidder's maximum Bid Price, including all optional work items, is required. The OWNER reserves the right to reject any or all Bids and to waive all informalities not involving rice, time, or changes in the Work.

				Keller Construction	Haier Plumbing	High	Low	Average
5.01	Mobilization, Bond, Insurance	1	LS	\$ 366,978.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 366,978.00	\$ 683,489.00
5.02	Construction Staking	1	LS	\$ 31,000.00	\$ 35,000.00	\$ 35,000.00	\$ 31,000.00	\$ 33,000.00
5.03	Erosion & Sediment Control	1	LS	\$ 54,200.00	\$ 150,000.00	\$ 150,000.00	\$ 54,200.00	\$ 102,100.00
5.04	Temporary Access Road and Road Maintenance	1	LS	\$ 53,500.00	\$ 100,000.00	\$ 100,000.00	\$ 53,500.00	\$ 76,750.00
5.05	Dewatering	1	LS	\$ 691,200.00	\$ 50,000.00	\$ 691,200.00	\$ 50,000.00	\$ 370,600.00
5.06	Seeding, Mulching and Site Restoration	1	LS	\$ 76,710.00	\$ 45,000.00	\$ 76,710.00	\$ 45,000.00	\$ 60,855.00
5.07	Traffic Control	1	LS	\$ 7,233.00	\$ 3,000.00	\$ 7,233.00	\$ 3,000.00	\$ 5,116.50
5.08	Flush Clay Cap - Station 1242+00 to 1312+00	148,912	CY	\$ 1,882,247.68	\$ 3,514,323.20	\$ 3,514,323.20	\$ 1,882,247.68	\$ 2,698,285.44
5.09	Fill Area - Station 1293+00 to 1312+00	925	CY	\$ 27,602.00	\$ 18,500.00	\$ 27,602.00	\$ 18,500.00	\$ 23,051.00
5.10	Fill Area - Station 1323+00 to 1333+00	8,785	CY	\$ 116,840.50	\$ 175,700.00	\$ 175,700.00	\$ 116,840.50	\$ 146,270.25
5.11	Gravel Parking Area Replacement	1	LS	\$ 5,500.00	\$ 12,000.00	\$ 12,000.00	\$ 5,500.00	\$ 8,750.00
5.12	HDPE Pipe - 12 inch	2,696	LF	\$ 244,662.00	\$ 91,664.00	\$ 244,662.00	\$ 91,664.00	\$ 168,163.00
5.13	HDPE Pipe - 18 inch	264	LF	\$ 14,092.32	\$ 11,022.00	\$ 14,092.32	\$ 11,022.00	\$ 12,557.16
5.14	HDPE Pipe - 24 inch	2,389	LF	\$ 155,476.12	\$ 137,606.40	\$ 155,476.12	\$ 137,606.40	\$ 146,541.26
5.15	HDPE Pipe - 30 inch	356	LF	\$ 32,979.84	\$ 25,276.00	\$ 32,979.84	\$ 25,276.00	\$ 29,127.92
5.16	HDPE Pipe - 36 inch	364	LF	\$ 35,650.16	\$ 29,848.00	\$ 35,650.16	\$ 29,848.00	\$ 32,749.08
5.17	HDPE Tee All sizes	47	EA	\$ 54,802.00	\$ 28,200.00	\$ 54,802.00	\$ 28,200.00	\$ 41,501.00
5.18	Non-Relief Well Manhole - 48 inch	5	EA	\$ 14,385.00	\$ 9,965.00	\$ 14,385.00	\$ 9,965.00	\$ 12,175.00
5.19	Non-Relief Well Manhole - 60 inch	20	EA	\$ 84,480.00	\$ 67,600.00	\$ 84,480.00	\$ 67,600.00	\$ 76,040.00
5.20	Non-Relief Well Manhole - 72 inch	1	EA	\$ 5,495.00	\$ 4,696.00	\$ 5,495.00	\$ 4,696.00	\$ 5,095.50
5.21	Non-Relief Well Manhole - 96 inch	1	EA	\$ 9,325.00	\$ 7,061.00	\$ 9,325.00	\$ 7,061.00	\$ 8,193.00
5.22	Piezometer - Above Grade	16	EA	\$ 171,680.00	\$ 144,000.00	\$ 171,680.00	\$ 144,000.00	\$ 157,840.00
5.23	Piezometer - Retrofit with transducers	2	EA	\$ 9,940.00	\$ 5,400.00	\$ 9,940.00	\$ 5,400.00	\$ 7,670.00
5.24	Pilot Hole - Relief Well	270	VF	\$ 20,015.10	\$ 27,000.00	\$ 27,000.00	\$ 20,015.10	\$ 23,507.55
5.25	Relief Well - Abandonment	40	EA	\$ 256,060.00	\$ 104,000.00	\$ 256,060.00	\$ 104,000.00	\$ 180,030.00
5.26	Relief Well - Convert to Type "T"	32	EA	\$ 211,728.64	\$ 256,000.00	\$ 256,000.00	\$ 211,728.64	\$ 233,864.32
5.27	Relief Well - Type "D"	1,869	VF	\$ 1,047,854.85	\$ 1,027,950.00	\$ 1,047,854.85	\$ 1,027,950.00	\$ 1,037,902.43
5.28	Relief Well - Type "T"	3,693	VF	\$ 2,156,379.63	\$ 2,031,150.00	\$ 2,156,379.63	\$ 2,031,150.00	\$ 2,093,764.82
5.29	Rip Rap Removal/Replacement - Cahokia Pump Station	1	LS	\$ 67,225.00	\$ 185,000.00	\$ 185,000.00	\$ 67,225.00	\$ 126,112.50
5.30	Sluice Gate Installation - 8'x8' Cast Iron, Station 1384+00 (MOPAC)	1	EA	\$ 61,350.00	\$ 70,000.00	\$ 70,000.00	\$ 61,350.00	\$ 65,675.00
5.31	Sluice Gate Rehabilitation - 54"x54" Cast Iron, Station 798+87	1	EA	\$ 51,311.00	\$ 70,000.00	\$ 70,000.00	\$ 51,311.00	\$ 60,655.50

				Keller Construction	Haier Plumbing	High	Low	Average
5.32	Sluice Gate Rehabilitation - 8'x8'Cast Iron, Station 1384+00 (MOPAC)	1	EA	\$ 89,237.00	\$ 100,000.00	\$ 100,000.00	\$ 89,237.00	\$ 94,618.50
5.33	CCTV - Venice Pump Station Relief Well Collection System	1	LS	\$ 49,870.00	\$ 35,000.00	\$ 49,870.00	\$ 35,000.00	\$ 42,435.00
5.34	CCTV - 4.5' Box Culvert - MESD Station 798+87	1	LS	\$ 10,841.00	\$ 84,000.00	\$ 84,000.00	\$ 10,841.00	\$ 47,420.50
5.35	CCTV - 8' Box Culvert - MESD Station 1384+40	1	LS	\$ 21,682.00	\$ 8,000.00	\$ 21,682.00	\$ 8,000.00	\$ 14,841.00
5.36	Gravel Parking Area Replacement - Cahokia Pump Station	1	LS	\$ 9,129.00	\$ 14,000.00	\$ 14,000.00	\$ 9,129.00	\$ 11,564.50
# 5.37	Relief Well Pump Tests	140	HR	\$ 57,820.00	\$ 120,400.00	\$ 120,400	\$ 57,820	\$ 89,110
<b>GRAND TOTAL - BID PACKAGE 05</b>				<b>\$ 8,256,481.84</b>	<b>\$ 9,798,361.60</b>	<b>\$ 9,798,361.60</b>	<b>\$ 8,256,481.84</b>	<b>\$ 9,027,421.72</b>
<b>CONTRACTOR INFORMATION</b>								
American Institute of Architects (AIA) Document A305				Y	Y			
IDOT Prequalified				Y	Y			
MoDOT Prequalified				Y	N			
MSD Prequalified				N	N			
Addendum #1				Y	Y			
Addendum #2				Y	Y			
Addendum #3				Y	Y			
Bid Bond (ATTACHMENT 300-B)				Y	Y			
MBE / WBE FORM No 2 - Proposed Utilization				Y	Y			
BID SIGNED & SEALED				Y	Y			
List of Sub-Contractors				Y	N			
References				Y	Y			



Memo to: Board of Directors

From: Les Sterman

Subject: Commitment to Provide Cost-Share to the Corps of Engineers for Design of Levee System Improvements to Maintain the Authorized Level of Flood Protection in the Metro-East Sanitary and Wood River Districts

Date: December 13, 2013

At the November, 2012 Board meeting, I was authorized to execute Design Agreements with the Corps of Engineers so that the Council can provide the required sponsor funds to match federal funds appropriated to carry out design activities for the Corps' project to achieve the authorized level of flood protection in the Wood River and Metro-East districts. Since that time, we have provided installments of cost-share funds to support the design of the Wood River cutoff wall – work that is nearly complete.

The Council's highest priority has been to meet the FEMA standard for flood protection, both to address immediate public safety concerns and to avoid the disastrous economic consequences of the American Bottom appearing on flood insurance rate maps as a special flood hazard area. The FEMA standard is generally consistent with a 100-year level of protection (1% chance of exceedance in any one year). The Corps of Engineers is committed to achieving a higher level of flood protection, generally described as the authorized level of protection, i.e. protecting against a flood elevation designated in the federal statutes that authorized the construction of the applicable levee systems. In our case, the authorized level of protection is 54 feet of river elevation on the St. Louis gauge, which is generally described as 500-year protection (.2% chance of exceedance in any one year), although it is probably significantly greater than that.

For the following reasons the USACE and Council are now in a good position to consider the implications of moving ahead to achieve the "authorized" level of flood protection:

1. The cost to complete the improvements to achieve the FEMA standard for flood protection is likely substantially less than originally anticipated. With the exception of the Wood River cutoff wall, all construction has now been bid, so the cost uncertainty of achieving the FEMA standard has now been significantly reduced.
2. The Council has additional fiscal capacity (probably in excess of \$40 million) through existing cash flow and borrowing, to support additional levee system improvements, better maintenance, and certain operating costs.
3. The USACE is receiving federal appropriations at a faster pace than expected, primarily due to changes in the priority-setting process for federal expenditures.

While we did not choose to use expected available federal funds on the Wood River cutoff wall, both we and the Corps would like to demonstrate the capability to use future federal funds as they become available. We will continue to advocate that the first priority for use of federal funds will be for the design deficiency correction at the Mel Price Lock and Dam. However, we also have the ability to advance the design of all other required levee system improvements in the Wood River and MESD districts, dramatically improving our ability to take immediate advantage of federal appropriations for construction as they become available.

The Corps has requested cost-share to support design activities for federal FY2014 in the Wood River and MESD districts. Their requests are attached. The sponsor cost-share for design is 25%. The request for MESD is \$1,018,750, and for Upper and Lower Wood River \$543,500 for a total of \$1,562,250.

We have not yet come to complete agreement on the specific levee system features that would be designed in the next year and prior to providing funds we would request several items from the Corps:

1. A description of the scope of the project(s) to be undertaken by the Corps (including data collection, design, and related activities).
2. Cost-estimate, with a schedule of cash needs from the Council.
3. Schedule.
4. Commitment to appropriate progress reports.

Note that a commitment on our part to sponsoring the design of additional levee system improvements does not commit the Council to paying for construction. To be sure, some of the same policy and financial issues that were relevant to the Wood River cutoff wall decision will need to be addressed. Further, the Corps has not indicated that any federal funds will be forthcoming in the Prairie DuPont/Fish Lake districts, so further improvements in those areas would need to be locally funded.

Notwithstanding some of the concerns described above, I believe that it is in our best interest to demonstrate our continuing commitment and financial capability to maintain the area's levee systems at the full authorized level. We have money in our budget to support additional design work, and we will have capacity to support construction of more improvements in the future.

Recommendation: Authorize the Chief Supervisor to provide up to \$1,355,500 as cost-share for Corps of Engineers design activities through September 30, 2014 in accordance with the existing Design Agreements in the Wood River and MESD districts.



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

REPLY TO

**DEC 09 2013**

Programs and Project Management Division  
Project Development Branch

Mr. Les Sterman, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Sterman:

In accordance with Article II B.1 of the Design Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD) and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for Wood River, Illinois Flood Protection Project, I am requesting the FPD's Fiscal Year 2014 sponsor contribution. The FY14 Federal appropriations have not been finalized; however, the President's Budget amount for the project is \$20,860,000. The next work to be accomplished this fiscal year is design of the remaining portions of both the lower and upper Wood River cutoff walls. For Upper Wood River, design includes approximately 795 feet of shallow cutoff wall. The estimate for the design is \$1,347,000. Based on this, the corresponding FY14 non-Federal sponsor 25% contribution is \$336,750.

For Lower Wood River, design includes approximately 1,850 feet of deep cutoff wall. The estimate for this design is \$1,948,000. Of this amount, it is anticipated that \$827,000 will be executed in FY14. Based on this, the corresponding FY14 non-federal sponsor 25% contribution is \$206,750. Note that these estimates include a 25% contingency for AE services/total design and a 10% contingency for labor costs. Please recommend to the FPD Board that \$336,750 for Upper Wood River and \$206,750 for Lower Wood River of cost share funds be provided to continue FY14 design work. Note that once the FY14 Federal appropriations for the project have been finalized, the required non-Federal cost share match may be adjusted.

Should the FPD decide not to provide non-Federal sponsor cost share funds to continue design of the cutoff walls, note that non-Federal sponsor funds will be required to continue ongoing project management, program management and project team activities. These activities include, but are not limited to:

1. Monthly tracking/updating of scheduled obligation and expenditures
2. FY14 work plan development
3. Future FY President's Budget requests
4. Continued advancement of the FY15 President's Budget including the development of Issue Papers, Justification Sheets, Project Fact Sheets, and Congressional briefs
5. Materials supporting spring Congressional visits for both MVS and MVD
6. Identifying future increments of project work and developing cost estimates and budgets



7. Development of the FY16 President's Budget
8. Maintaining MVS scheduling and budget data

The estimate for this work for FY14 is \$155,000. The corresponding FY14 non-Federal sponsor 25% contribution is \$38,750.

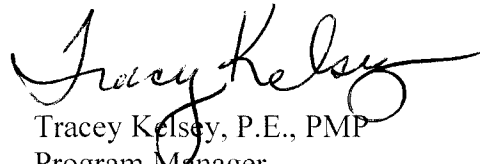
The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-N (Kohler)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

If you have any questions, please contact Greg Kohler at (314) 331-8169 or e-mail [Greg.Kohler@usace.army.mil](mailto:Greg.Kohler@usace.army.mil).

Sincerely,



Tracey Kelsey, P.E., PMP  
Program Manager  
Programs and Project Management



REPLY TO

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

DEC 09 2013

Programs and Project Management Division  
Project Development Branch

Mr. Les Sterman, Chief Supervisor of Construction and the Works  
Southwestern Illinois Flood Prevention District Council  
104 United Drive  
Collinsville, Illinois 62234

Dear Mr. Sterman:

In accordance with Article II B.1 of the Design Agreement executed between the Southwestern Illinois Flood Prevention District Council (FPD) and the U.S. Army Corps of Engineers (Corps) for the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project, I am requesting the FPD's Fiscal Year 2014 initial sponsor contribution. The FY14 Federal appropriations have not been finalized; however the President's Budget amount for the project is \$12,855,000. The work to be accomplished this fiscal year is initiation of design of approximately 5,500 feet of cutoff wall. The estimate for design is \$7,326,000. Of this amount, it is anticipated that \$4,075,000 will be executed in FY14. This estimate includes a 25% contingency for AE services/total design and a 10% contingency for labor costs. Based on this, the corresponding FY14 non-Federal sponsor 25% contribution is \$1,018,750. Please recommend to the FPD Board that \$1,018,750 of cost share funds be provided to initiate FY14 design work. Note that once the FY14 Federal appropriations for the project have been finalized, the required non-Federal cost share match may be adjusted.

Should the FPD decide not to provide non-Federal sponsor cost share funds to initiate design of cutoff wall, note that non-Federal sponsor funds will be required to continue ongoing project management, program management and project team activities. These activities include, but are not limited to:

1. Monthly tracking/updating of scheduled obligation and expenditures
2. FY14 work plan development
3. Future FY President's Budget requests
4. Continued advancement of the FY15 President's Budget including the development of Issue Papers, Justification Sheets, Project Fact Sheets, and Congressional briefs
5. Materials supporting spring Congressional visits for both MVS and MVD
6. Identifying future increments of project work and developing cost estimates and budgets
7. Development of the FY16 President's Budget
8. Maintaining MVS scheduling and budget data

The estimate for this work for FY14 is \$155,000. The corresponding FY14 non-Federal sponsor 25% contribution is \$38,750.

The check should be made payable to "FAO, USAED, St. Louis (B3)" and should be mailed to:

U.S. Army Corps of Engineers  
St. Louis District  
Attention: CEMVS-PM-F (Kelsey)  
1222 Spruce Street  
St. Louis, Missouri 63103-2833.

If preferred, funds may be provided to the St. Louis District by Electronic Funds Transfer. Verna Meyer, Chief of Finance and Accounting Branch (314-331-8085) will be happy to assist you and your bank to facilitate the funds transfer.

If you have any questions, please contact me at (314) 331-8477 or e-mail [Tracey.B.Kelsey@usace.army.mil](mailto:Tracey.B.Kelsey@usace.army.mil).

Sincerely,

A handwritten signature in black ink that reads "Tracey Kelsey". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Tracey Kelsey, P.E., PMP  
Program Manager  
Programs and Project Management



Memo to: Board of Directors

From: Les Sterman

Subject: Project Partnership Agreement with the U.S. Army Corps of Engineers for the East St. Louis Design Deficiency Correction Project

Date: December 13, 2013

A **Project Partnership Agreement (PPA)** is an agreement between the Government and a non-Federal sponsor (state, municipal government, flood control district, port authority, etc.) for construction of a water resources project. It describes the project and the responsibilities of the Government and the non-Federal sponsor in the cost sharing and execution of work. These agreements (or their predecessor Project Cooperation Agreements) have been executed between the sponsor levee districts in our area and the Corps of Engineers for a number of previous construction and reconstruction projects.

While we have not as yet made any commitment to participating in the proposed Corps construction project in the MESD (East St. Louis) district, I believe it is useful to have all the required agreements in place should we choose to move forward. It typically takes a while for the Corps to execute a PPA, so having the agreement in-hand with the authority to execute it could avoid future delays. While we continue to have differences with the Corps on policy, design, and cost issues that will need to be resolved, it is prudent to put in place the capacity to receive and spend federal money should it be appropriated. We have previously agreed to execute a similar agreement in the Wood River district, notwithstanding our recent decision not to provide funds for the cutoff wall in the district.

The Corps has a model agreement that applies in this situation. Typical for the Corps, the model agreement is difficult or impossible to modify. However, as a practical matter, it is an ongoing agreement where both parties need to meet their funding and other responsibilities or the contract is terminated. Like our Design Agreement with the Corps for this project, we can choose to implement the contract through a Board decision to provide cost-share funding. In the absence of that funding, work will not proceed and our further responsibility under the terms of the agreement is limited.

A draft of the contract is attached.

Our attorneys at Husch Blackwell previously reviewed the PPA for Wood River to advise us of substantive conditions of which we should particularly be aware. The firm has substantial experience with these agreements. Their analysis highlighted several areas:

*A regional partnership to rebuild Mississippi River flood protection*

1. *Termination Provisions*

*Article XIII.A. requires the Assistant Secretary of the Army to terminate the PPA or suspend future performance if, at any time, the non-Federal Sponsors (defined to include Wood River and SWILFPD) fail to fulfill their obligations under the PPA unless the Assistant Secretary determines the continuation of work on the project is in the interest of the U.S. or is necessary to satisfy agreements with other non-Federal interests.*

*Article XIV.C. permits the Corps or the Non-Federal sponsor to suspend or terminate the PPA in the event hazardous substances are found to exist on project property.*

*In the event the PPA is terminated, the Corps may reserve a percentage of total federal funds made available for the project and a percentage of funds contributed by SWILFPD to pay costs of termination, including costs to resolve contract disputes. Additionally, any termination of the PPA will not relieve any party of liability for any obligation previously incurred.*

2. *Rights-of-Way*

*Article III.A. provides that the Non-Federal Sponsors (Wood River and SWILFPD) are responsible for acquiring all rights-of-way the Corps, in consultation with the Non-Federal Sponsors, determines to be required for construction, operation and maintenance of the project. Additionally, Article IV.A. requires the Corps to include in total project costs and afford credit towards the Non-Federal Sponsors costs to acquire any right-of-way.*

3. *Credit Mechanism*

*Article IV.A. provides that the Corps shall include in total project costs and afford credit towards the non-Federal Sponsors' share of total project costs for the value of LERRDs. Article IV.B. specifies that, to receive credit its LERRD costs, the Non-Federal sponsors shall provide to the Corps "in a timely manner" documents sufficient to enable the Corps to determine the value of any contribution provided. Upon receipt of such documents, the Corps shall "in a timely manner" determine the fair market value of such contributions for the purpose of determining the amount of credit to be afforded or reimbursed.*

Husch Blackwell notes that these provisions are identical to those included in PPAs or PCAs for other area levee projects.

**Recommendation:** Authorize the Board President and/or Chief Supervisor to execute the Project Partnership Agreement with the U.S. Army Corps of Engineers for the East St. Louis Design Deficiency Correction Project.





Memo to: Board of Directors  
From: Les Sterman  
Subject: Amendments 2 and 3 to AMEC Work Order 1 – Program Management  
Date: December 16, 2013

AMEC Work Order 1 for Program Management has been in place since the inception of the contract with AMEC and provides for tasks essential to managing the project for the Council. Those tasks include planning and scheduling, cost estimating, reporting, document management, program controls, management of subcontracts, interagency coordination, etc. The initial work order covered the period from August 18, 2010 through March 10, 2013 and the authorized funding was for \$1,469,600. Through an oversight on my part, the contract was not extended when it expired in March, although expenditures through November (\$1,276,048) remain well under the maximum contract amount. Amendment 1 is a no-cost extension of Work Order 1 through January 1, 2014.

Because the project schedule has extended beyond that anticipated when the initial work order was signed in 2010, additional costs will be incurred. Amendment 2 extends Work Order 1 through December 31, 2015 at an additional cost of \$700,000. This additional cost has already been incorporated in the project budget, so there are no additional budget impacts of this amendment.

A detailed scope of work and cost estimate for program management services is shown as an attachment to this memo. The total cost of Work Order 1 will increase from \$1,469,600 to \$2,169,000 and extend through December, 2015 if the two amendments are adopted.

**Recommendation:** Authorize the Chief Supervisor to execute Amendments 1 and 2 to Work Order 1 with AMEC Environment & Infrastructure as shown in Attachment 1 in the amount of \$2,169,600 to provide program management services for project.



**WORK ORDER NO: MAS01-WO01**

**PROGRAM MANAGEMENT SERVICES AMENDMENT 1**

Issued Pursuant to Master Services Agreement Effective **August 18, 2010**,

By and Between

AMEC Environment and Infrastructure, Inc. (AMEC)

and

**Southwestern Illinois Flood Prevention District Council (CLIENT)**

CLIENT Office:	<u>104 United Drive</u> <u>Collinsville, IL 62234</u>	AMEC Project No:	<u>563170001</u>
CLIENT Contact:	<u>Les Sterman</u>	Work Order Type: (Check One)	
AMEC 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 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: Wood River Drainage and Levee District, Metro - East Sanitary District, Prairie du Pont Drainage and Levee District and Fish Lake Drainage and Levee District
3. PERIOD OF PERFORMANCE: August 18, 2010 through January 1, 2014
4. AUTHORIZED FUNDING: \$1,469,600.00
5. SPECIAL PROVISIONS: n/a

**Southwestern Illinois Flood Prevention District Council**

**AMEC Environment & Infrastructure Inc.**

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

By: \_\_\_\_\_  
Name: Jim Shepard  
Title: Sr. Vice President  
Date: \_\_\_\_\_  
Address: 15933 Clayton Road, Suite 215  
Ballwin, MO 63011



**Attachment A  
Scope of Work**

**WORK ORDER NO: MSA01-TO01  
PROGRAM MANAGEMENT SERVICES**

**AMEC Project No: 56317001**

Services to be provided by AMEC under this Work Order include Program Management Services in support of the design, construction and certification of the levee systems. Program Management Services to be provided by AMEC under this Work Order include:

**1. PROGRAM MANAGEMENT PLAN DEVELOPMENT AND MAINTENANCE**

In accordance with AMEC Management System policies and procedures, develop a Program Management Plan (PMP) to facilitate quality and effective program delivery. The PMP functions as an instrument to document and disseminate critical program information to the project team. The PMP also functions as a tool to communicate to the client, AMEC understands of the program objectives and approach. The PMP will be updated and re-distributed on an as-needed basis. The PMP will include development and documentation of the following:

Program Objectives

- scope of services and program deliverables
- safety, health and environment guidelines and training requirements
- program task milestone summary (initial investigations thru re-accreditation)
- capital funding milestone summary
- program cost milestone summary
- program schedule milestone summary (initial investigations thru re-accreditation)

Program Management System

- project roles, responsibilities and authorities
- internal communication and decision making protocol
- external communication procedures
- progress and status reporting guidelines and schedules
- internal program review, audit and corrective action procedures
- external program review and corrective action procedures
- project change management system procedures
- administrative work instructions and forms
- computer hardware and software requirements and support systems
- security and confidentiality requirements

Document and Data Management

- drawing and document numbering and file naming conventions and systems
- filing and archiving systems and procedures
- signatory authority
- professional seal authority
- document owners and controllers

### Design Control

- design procedures and work instructions
- design standards
- design criteria
- design reviews
- design checking and verification

### Program Management Services

- planning and scheduling
- program cost estimating
- program controls
- sub-consultant contract administration
- coordination with USACE and development of a MOU
- coordination with FEMA and development of a MOU
- coordination with the levee districts
- community outreach
- QA manager oversight
- safety officer oversight
- dispute resolution services
- attendance at monthly council meetings
- preparation of presentation materials for monthly council meetings
- coordination meetings with client

## **2. PLANNING AND SCHEDULING**

Develop a program implementation and delivery strategy.

- 2.1. Based on currently available information and work completed to date, develop a preliminary program implementation and delivery strategy
  - identify design tasks/packages
  - identify permitting tasks/packages
  - identify land/right-of-way acquisition tasks/packages
  - identify construction packages
  - identify certification packages
  - develop construction cost estimates for each package
  - develop a detailed program schedule
  - identify funding requirements (amounts and timelines)
  - document the program implementation and delivery strategy in the PMP
- 2.2. Subsequent to completion of Preliminary Design activities (Work Order #002), develop a final program implementation and delivery strategy documented in the PMP.
- 2.3. As the program progresses, periodically update the program implementation and delivery strategy documented in the PMP.

### **3. PROGRAM COST ESTIMATING**

3.1. Based on currently available information and work completed to date develop preliminary program cost estimates. As the program progresses, periodically update the program cost estimates for:

- Professional Fees
- Real Estate Acquisition Costs
- Utility Relocation Costs
- Permit Fees
- Mitigation Costs
- Construction Costs
- Certification Costs

#### **Deliverables:**

- Updated Program Cost Estimates

### **4. PROGRAM CONTROLS**

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

#### **Deliverables:**

##### **MONTHLY PROGRAM REPORT (AS APPLICABLE)**

- safety, health and environment
- program management services completed this month
- program management services to be completed next month
- professional services completed this month
- professional services to be completed next month
- construction completed this month
- construction to be completed next month
- certification services completed this month
- certification services to be completed next month
- status of deliverables
- schedule updates
- technical decision memo status update
- change notice status update
- key issues
- program action list

## **5. SUB-CONSULTANT CONTRACT ADMINISTRATION**

- 5.1. Enter into sub-consultant agreements with proposed consultants providing professional services, including companies providing drilling/subsurface exploration services, geophysical services and well testing. Administer the sub-consultant contracts and manage the sub-consultant.
- 5.2. Evaluate expertise and capacity of proposed sub-consultants
  - obtain and review resumes and project experience
  - obtain and review current backlog and projected backlog estimates
  - obtain and review certified overhead rate data
- 5.3. Identify scope of work for each sub-consultant
- 5.4. Negotiate scope, schedule and fee with each sub-consultant and enter into a sub-consulting agreement
- 5.5. Administer the sub-consultant agreements
  - provide PMP training
  - obtain insurance certificates
  - review quality assurance documentation
  - record document management
  - archive document management
  - obtain, review and process PMP performance metrics reporting
  - review progress reports and invoices
  - process invoices
- 5.6. Manage sub-consultant professional services
  - coordinate schedules
  - conduct coordination meetings
  - review progress submittals
  - review final work product deliverables
- 5.7. As the program progresses, periodically update the Implementation and Delivery Plan and PMP.

## **6. COORDINATION WITH USACE AND DEVELOPMENT OF A MOU**

- 6.1. Coordinate program efforts with the USACE and work to establish an MOU with the USACE to address:
  - maximizing eligibility of the proposed deficiency repairs for federal funding
  - establishment of a USACE scope of review for the proposed deficiency repairs
  - verify that the USACE will not consider the proposed deficiency repairs to be a detriment to the authorized level of protection

### **Deliverables:**

- Draft MOU for review and approval by the Council

## **7. COORDINATION WITH FEMA**

- 7.1. Coordinate certification efforts with FEMA, to provide opportunity for early input to the evaluation and documentation process proposed for certification submittal.

## **8. COORDINATION WITH THE LEVEE DISTRICTS**

- 8.1. Coordinate with the levee districts, to include:
- Review of design concepts
  - Evaluation of proposed O&M procedures
  - Land Acquisition activities

## **9. COMMUNITY OUTREACH PROGRAM**

- 9.1. Support community outreach programs developed by others.

## **10. QA MANAGER OVERSIGHT**

- 10.1. The QA Manager will monitor design activities for compliance with the required QC reviews are being completed. The QA Manager will also conduct periodic audits to verify QC reviews are being completed in accordance with the PMP requirements.

## **11. SAFETY OFFICER OVERSIGHT**

The Safety Officer will assist with the development of the safety, health and environment guidelines and also assist with training. The Safety Officer will monitor program activities for compliance with the required safety, health and environment guidelines are implemented and that ongoing training is provided.

## **12. ATTENDANCE AT MONTHLY COUNCIL MEETINGS**

- 12.1. AMEC representative to attend monthly Council meetings in support of the Chief of the Works reporting of program status to the Council.

## **13. PREPARATION OF PRESENTATION MATERIALS FOR MONTHLY COUNCIL MEETINGS**

- 13.1. Prepare presentation materials in support of the Chief of the Works reporting of program status to the Council.

## **14. BIWEEKLY COORDINATION MEETINGS WITH CLIENT**

- 14.1. AMEC representative will attend biweekly meetings with the Chief of Works to discuss program status.



**WORK ORDER NO: MAS01-WO01**

**PROGRAM MANAGEMENT SERVICES AMENDMENT 2**

Issued Pursuant to Master Services Agreement Effective **August 18, 2010**,

By and Between

AMEC Environment and Infrastructure, Inc. (AMEC)

and

**Southwestern Illinois Flood Prevention District Council (CLIENT)**

CLIENT Office:	<u>104 United Drive</u> <u>Collinsville, IL 62234</u>	AMEC Project No:	<u>563170001</u>
CLIENT Contact:	<u>Les Sterman</u>	Work Order Type: (Check One)	
AMEC Office:	<u>15933 Clayton Road</u> <u>Suite 215</u> <u>Ballwin, MO 63011</u>	Time and Materials (rates attached)	<u>X</u>
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AMEC 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: Wood River Drainage and Levee District, Metro - East Sanitary District, Prairie du Pont Drainage and Levee District and Fish Lake Drainage and Levee District

3. PERIOD OF PERFORMANCE: August 18, 2010 through December 31, 2015

4. AUTHORIZED FUNDING: \$2,169,600

5. SPECIAL PROVISIONS: n/a

**Southwestern  
Illinois Flood Prevention District Council**

**AMEC Environment & Infrastructure Inc.**

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

By: \_\_\_\_\_  
Name: Jim Shepard  
Title: Sr. Vice President  
Date: \_\_\_\_\_  
Address: 15933 Clayton Road, Suite 215  
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**Attachment A  
Scope of Work**

**WORK ORDER NO: MSA01-TO01  
PROGRAM MANAGEMENT SERVICES**

**AMEC Project No: 56317001**

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