



AGENDA

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
February 15, 2012 7:30 a.m.**

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

1. Call to Order
John Conrad, President
2. Approval of Minutes of December 21, 2011
3. Program Status Report and Budget Update
Les Sterman, Chief Supervisor
4. Approval of Disbursements
5. Progress Report on Design/Construction
Jay Martin, AMEC Environment & Infrastructure
6. Authorization to Negotiate Agreement for Wetland Mitigation
7. Renewal of Government Relations Contract with Dorgan/McPike
8. AMEC Task Order 5 – Inspection of Chain of Rocks and Mel Price Levee Reaches
9. Report by Corps of Engineers
Col. Christopher Hall, Commander St. Louis District
10. Illinois Open Meetings Act Training
11. Other Business

Executive Session (if necessary)
12. Adjournment

Next Meeting: March 21, 2012

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING

December 21, 2011

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 December 21, 2011.

Members in Attendance

John Conrad, President (Chair, Monroe County Flood Prevention District)
James Pennekamp, Vice-President (Chair, Madison County Flood Prevention District)
Dan Maher, Secretary/Treasurer (Chair, St. Clair 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
Ronald Polka, Monroe County Flood Prevention District

Members Absent

Ron Motil, Madison County Flood Prevention District

Others in Attendance

Alan Dunstan, Madison County Board Chair
Mark Kern, St. Clair County Board Chair
Delbert Wittenauer, Monroe County Board Chair
Les Sterman, SW Illinois FPD Council
Kathy Andria, American Bottoms Conservancy
Gary Andruska, U.S. Army Corps of Engineers
Doug Campion, Campion Group
Tom Cooling, URS Corp
Darryl Elbe, Hoelscher Engineering
Scott Harding, SCI Engineering
Bill Hladick, AMEC Earth & Environmental
Pam Hobbs, Geotechnology
Mike Huber, KdG Engineering
Charles Juneau, Juneau Associates
Kevin Koenigstein, Monroe County Treasurer
Linda Lehr, Monroe County
Jay Martin, AMEC Earth & Environmental
Patrick McKeehan, Leadership Council Southwestern Illinois
Frank Miles, America's Central Port
Bruce Munholand, U.S. Army Corps of Engineers
Jack Norman
Jon Omvig, AMEC

Joe Parente, Madison County
Bob Shipley, Metro-East Sanitary District
Dale Smith, Geotechnology
Bill Stahlman, America's Central Port
Dan Wilson, KdG

Call to order

President John Conrad called the meeting to order.

Approval of minutes of November 16, 2011

A motion was made by Jim Pennekamp, seconded by Dan Maher, to approve the minutes of the November 16, 2011 meeting. The motion was approved by voice vote, all members voting aye.

Program Status Report and Budget Update

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

AMEC submitted 60% design documents, including construction drawings, specifications, and cost estimates as scheduled last Friday, December 16. AMEC also provided this material, along with various supporting calculations and analyses, to the Corps of Engineers on the same date. Also at this time a joint application for the various environmental permits was submitted to the Corps, the Illinois Department of Natural Resources, the Illinois Environmental Protection Agency and the U.S. Environmental Protection Agency. This is a major milestone for the project, and it signifies that the project is progressing on schedule and within budget. You will hear a lot more about this later on in the agenda today.

I know I sound like a broken record but another month has gone by and we still do not have the "review plan" that will be used to grant permission to alter the levee system under Sec. 408, a document that was originally promised to be in our hands by August 17. The contents of the plan are less of a concern right now than the process by which the plan is being approved. By all accounts, this document has been at the Division office of the Corps for nearly two months. What this suggests is that claims made by the Corps staff that they will not delay our project schedule are simply not credible.

Earlier this month, we received a response from FEMA to our request to withdraw the AR zone application for the region. This application, originally made in 2007, would have provided for reduced flood insurance rates and more accommodating building codes in the event that the American Bottom was classified as a flood hazard area on new flood insurance rate maps. FEMA's response to us and the county board chairs was typically illogical, instead repeating FEMA policy that it is the responsibility of local levee owners to provide certification information. While true, that does not excuse the misrepresentation of information by FEMA and the Corps. The letter also notes that FEMA has paused the mapping process pending the reevaluation of mapping methodology by the agency. While it notes that "FIRM revisions for communities with non-accredited levee systems are currently suspended" it suggests that when the maps are revised in the future the Zone AR designations will be removed. Such a statement is completely illogical since there are no Zone AR designations on the currently effective FIRMS, as confirmed by the federal judge in his ruling on our lawsuit. Perhaps this is simply a reprise of the "Potomac two-step" by FEMA that the federal judge severely criticized in our

lawsuit. We are undecided about whether to respond to this letter and will consult with our attorneys before making a decision.

Regarding administrative matter our continuing agreement with AMEC is structured with a Master Services Agreement that defines contractual terms and conditions, and a series of work orders that defines the scope of work for each assignment. With the completion of the 60% design by AMEC, work on the current design work order has been concluded. At the December meeting, I will present a proposed work order to allow AMEC to proceed to the 100% design later on in the agenda.

I have also asked AMEC to prepare work orders that will reflect the previously unanticipated work to support the Corps Section 408 permission process and to undertake certification activities for two sections of levee (Chain of Rocks, which is owned by the Corps, and Mel Price Lock and Dam, which is the responsibility of the Corps to improve) that we had previously assumed would be the Corps' responsibility. These work orders represent added costs to the Council that have not been previously budgeted.

You have a copy of the budget report for November 2011 prepared by our fiscal agent, LarsonAllen in your mailing. It includes an accounting of revenues and expenditures for the two months ending November 30, 2011, as compared to our fiscal year budget for the year ending on September 30, 2012.

For the first time you will see this month an accounting of funds that are being returned to the counties as "surplus" after principal, interest, and administrative costs are paid by the Trustee. This money is returned to the FPD sales tax fund held by each county treasurer for use by the Council in accomplishing the project.

Mr. Wittenauer asked whether any returns on the funds held by each county would go back into the FPD fund. Mr. Sterman said that he thought they would.

Accrued expenditures for the current fiscal year are \$1,579,317, while revenues during this same period amounted to \$1,865,810. Expenditures included a surplus held by the bond Trustee of \$434,465 that was returned to the counties as required by the bond indenture. All costs remain well within budgeted amounts.

September sales tax receipts reflect a healthy 5.1% year over year growth, continuing a recent upward trend. For the first nine months of 2011 sales tax receipts are up by nearly 2.5%, which is slightly less than assumed in our financial plan, but the trend suggests that we may be close to projections by the end of the year.

A motion was made by Tom Long, seconded by Bruce Brinkman, to approve the budget report and disbursements for period concluding on November 30, 2011. At Mr. Conrad's request, Mr. Maher called the roll and the following votes were made on the motion:

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

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

The motion was approved unanimously with eight members present voting aye

Total disbursements for the month were \$26,506.19. The largest payment was to Campion Group for project management oversight.

A motion was made by Mr. Pennekamp, seconded by Mr. Parks, to approve the disbursements for period concluding on November 30, 2011. At Mr. Conrad's request, Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved unanimously with eight members present voting aye

Presentation of 60% Design and Cost Estimates

Mr. Sterman indicated that he asked Jay Martin, AMEC's project manager to give some of the highlights of the 60% design submission, with special attention to difference from the earlier 30% submission.

Mr. Martin used a slide presentation (copy attached) to support his remarks. He noted that the 60% submission was a major milestone for the project and included construction drawings and a set of specifications.

Mr. Martin described three lengthy meetings with the Corps of Engineers to better understand the Section 408 review process and the additional materials that we would need to submit in addition to plans and specs. These materials include analyses and calculation that would allow Corps staff to evaluate each of the design proposals. All of that extensive material was delivered to the Corps in electronic form on a portable hard disc drive on December 16.

He showed a sample drawing to give the Board an idea of the increased level of detail in the 60% submission. Mr. Martin said that design concepts have been refined, some ideas were dropped and others included. Mr. Long asked if we would be simply refining these drawings further to reach 100%. Mr. Martin responded that in almost all circumstances that would be the case.

There are a few outstanding issues that need to be resolved, but most of the drawings would not change significantly going forward.

Mr. Martin went on to describe the new cost estimate for the project. To cut to the chase, the cost estimate is going in the right direction – the number is coming down a little in going from 30% to 60% stages of design. The other item that was delivered was the joint application for Section 404/401 permit showing the extent of effects on wetlands and water quality. He also reviewed some of the design features on each levee system. There is a general theme of reducing the presence or length of cutoff walls in the system. Cutoff walls will remain in the Wood River design. There is an increased use of graded filters, which will require additional pumping capacity and new pump stations. Overall, the cost estimate has come down by about \$10 million.

Mr. Parks asked whether there has been any analysis of the additional electricity required to operate the additional pump stations. Mr. Martin responded that AMEC has not done that yet, but we do recognize that there is a tradeoff between capital and operating costs at this stage. Mr. Sterman said that we are very mindful of the need to provide sufficient operating revenues to the levee districts and that would be part of our planning process. It remains to be seen whether these additional pump stations would actually run very much, since they would mainly operate in significant flood events.

Mr. Martin described upcoming tasks including completing some remaining field work. He indicated that the project had turned the corner and we could look forward to construction work in 2012. He shared a revised schedule with the Board, indicating that it was still tentative based on what we know now.

Issues and concerns include weather and river levels, the successful completion of field work related to cultural resource, the 408 approval process with the Corps, and certification of Chain of Rocks and Mel Price levee reaches.

Mr. Munholland brought the Board up to date on the role of the Corps of Engineers. He thanked AMEC for providing everything that the Corps had asked for in the submittal and perhaps even a little bit more than they had asked for. He indicated that a 120 review period has now started. The review plan has been circulated and commented on by higher authorities within the Corps and they have accepted the District's responses to their comments on the plan. So we are very, very close to getting the review plan finalized and do not anticipate any more problems with that. The Corps is also considering some "innovative" ideas to speed up the review process such as advancing some of the less risky parts of the project such as operations and maintenance components of the project. He added that the official permitting process could not proceed until we get the formal application with the 100% design documents.

Mr. Sterman said that we appreciate the idea of getting started with low risk projects, but in the end it is more important to reach the finish, since the system cannot be certified and accredited until all the work is done. He said that it is equally important to figure out how to get the more difficult work approved.

Mr. Pennekamp noted that it was important to get the project started to maintain public confidence in the project and asked if the intention was to get some construction underway in 2012. Mr. Martin responded affirmatively.

Mr. Maher asked whether we have any relief from the costs of certifying the Chain of Rocks and Mel Price levee segments. Mr. Sterman said that there had been no progress in any kind of waiver, but this would be discussed in greater detail later on the agenda today.

Mr. Martin continued by describing the project schedule in greater detail, with special focus on the upcoming activities in 2012.

Mr. Conrad 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. At Mr. Conrad's request, Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved unanimously with eight members present voting aye

Revised Project Cost Estimate

On December 16 AMEC submitted the 60% construction drawings, cost estimate and other related documentation. As the design matures, certain features are eliminated, others added and some are refined. In July, 2011 the Board of Directors adopted a Project Implementation Plan that included a description of the basic design features of the project, an implementation schedule, a cost estimate and financial plan. The information now available as the design process progresses allows us to assess the accuracy of the Plan and our progress in following it.

The success of the project hinges on effectively managing time and money. Our goal since the outset of the project was to reach the desired outcome, i.e. a fully accredited levee system, with the money that can be leveraged with the local sales tax revenue and to do so within five years. The Project Implementation Plan is a roadmap for accomplishing that broad purpose. At each critical stage of the project it will be important to determine where we stand with respect to that roadmap.

Table 1 in your memo shows the effect of changes to the design on the project cost estimate. To summarize, the overall project cost estimate has been reduced by \$10.26 million, or about 6.8%, as a result of continuing progress on the design and a concerted effort by AMEC to reduce costs. While this is certainly positive news, it should be qualified by a number of considerations and continuing cost concerns:

1. The Corps has now indicated that they will not certify either the Chain of Rocks levee, (that the agency owns and maintains), or the levee reach adjacent to the Mel Price Lock and Dam (where the design deficiency is a direct result of the construction of the new lock and dam in the 1990s), Although the Corps has sole responsibility for assuring that these levee reaches perform at the authorized (500-year) level of protection, their internal policy does not allow certification of any levee segment less than a full system. As a consequence, the FPD must incur the cost of the levee inspection, performance analysis, and preparation of certification documentation. The inspection cost is estimated to be \$155,000 with the cost of additional borings and other required tests unknown at this point (a rough estimate based on our work on the remainder of the system suggests a cost of at least \$500,000).
2. In order to reduce or eliminate certain high-cost features like cutoff walls, in some cases we have proposed “graded filters” to control underseepage. Rather than blocking underseepage, these features will allow it to occur in a controlled fashion. Doing so will result in greater accumulations of water on the land side of the levee system, most of which will need to be pumped out. The 60% design, therefore, includes a number of new pump stations that need to be designed and built, thereby adding some design and construction costs, partially offsetting the savings from avoiding more costly underseepage controls. Moreover, the additional pump stations will produce higher operating costs for the levee districts, something that we will need to address in our continuing financial planning.
3. We have been unable to get any significant relief from the onerous, costly, and, in our view unnecessary, Corps of Engineers review process. That review process could result in additional costs to us of nearly \$700,000, a sum that has now been incorporated in the project estimate. Perhaps even more significant is the schedule risk and uncertainty of the review process, which will have a budget impact that we cannot as yet estimate.

The bottom line is in July, 2011 we had estimated the cost of the project at \$150,600,000 and the estimate now is not about \$140,400,000 or an overall reduction of about \$10,000,000. That message should be tempered by an understanding that there are still some problems on the horizon that could increase that estimate and also that we will need to accommodate some potential increased operating costs for the levee districts. What remains the biggest concern right now is the Corps review process. We appreciate the efforts of the St. Louis District to accelerate the review, but this process will ultimately extend well beyond the District, and based on past performance, there is no reason to believe that we will not encounter some delays and other problems. Also, a lot will depend on the financing process and our ability to meet the cash needs of an accelerated construction schedule.

Figure 1 in your memo shows the construction schedule that was presented to the Board at the November meeting. This schedule is consistent with the 60% design and continues to meet the desired 2015 completion date for the project.

Except for external schedule risks that we cannot control, e.g. Corps of Engineers review or weather, *the project remains on schedule and within budget.* Since our intention is to maintain

the Project Implementation Plan as a current and timely document, I am recommending that the Board of Directors amend the Plan to include the attached budget and project schedule.

Mr. Pennekamp asked whether the Corps' unwillingness to certify the Chain of Rocks levee is a result of an agencywide policy or is a decision unique to this particular levee or this District. Mr. Sterman said that his understanding is that this is an overall Corps policy coming out of Washington. The policy is that the Corps will not certify anything less than an entire functional levee system. In his opinion this is illogical since certification is a FEMA process and it is typical for levee systems to have multiple owners. FEMA is responsible for aggregating the information in order to accredit a system. This is a FEMA policy and the Corps has essentially ignored that fact. It will be up to us to provide the certification information for Corps owned or operated levees. And if we happen to find a problem with their levee, it will have to be fixed and that will cost additional money.

Mr. Long and Mr. Maher both described their concern with this situation. Gary Andruska reminded the Board that the Corps did not own the section adjacent to the Mel Price Locks and Dam. Mr. Sterman responded that the Corps broke that section when they built the dam, and they have full responsibility for fixing it. It has become part of the Mel Price project.

Mr. Maher asked whether we had gotten any response from our congressional delegation to our request to address this situation. Mr. Sterman said that our delegation has knocked themselves out to fix the problem, but the Corps bureaucracy has frustrated their efforts. At this point, we have little choice but to conform to the Corps' requirements, no how matter how illogical they seem to us, or we will bring the project to a halt.

Mr. Maher asked how AMEC can certify a levee that they didn't design or build. Mr. Sterman responded that AMEC was not being asked to certify the performance of the levee, but simply to show that it meets the FEMA standard. Mr. Martin then elaborated on that response.

Mr. Sterman described how the Corps' plan for Mel Price is an interim solution that will require additional operating money to implement, money that has not been appropriated. It remains to be seen whether certification can be made under those circumstances.

A motion was made by Mr. Pennekamp and was seconded by Mr. Parks to amend the Project Implementation Plan to include the revised project cost estimate and schedule resulting from the 60% design submission.

At Mr. Conrad's request, Mr. Maher called the roll and the following votes were made on the motion:

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

Mr. Parks – Aye
Mr. Pennekamp – Aye

The motion was approved unanimously with eight members present voting aye

Section 404 and Section 401 Permit Submissions to the State of Illinois and the U.S. Army Corp of Engineers

On December 16, AMEC submitted on our behalf a joint permit application to the Corps of Engineers, Illinois Department of Natural Resources, and the Illinois Environmental Protection Agency, for various environmental and other permits related to the project. These permits relate to impacts on wetlands, water quality, cultural resources and endangered species.

A motion was made by Mr. Long with a second by Mr. Parks to confirm the authorization of the Board for the Chief Supervisor to submit applications for permits to the Corps of Engineers, the Illinois Department of Natural Resources and the Illinois Environmental Protection Agency on behalf of the Council.

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

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

The motion was approved unanimously with eight members present voting aye

AMEC Task Order 7 – Consulting Services for Final Design

On Friday, December 16 AMEC submitted 60% design documents, including construction drawings, specifications, and cost estimates as scheduled. AMEC has now completed the scope of work on our currently effective work order that concludes on December 16.

Our continuing agreement with AMEC is structured with a Master Service Agreement that defines contractual terms and conditions, and a series of work orders that define the scope of work for each assignment. This was done because it was not possible to determine at the time that the project began all of the dimensions of the work prior to initial exploratory testing and analyses of the conditions of the levee system.

I have worked with AMEC to develop a scope of work and associated fee to complete design work on the project. This work is described in the attached Work Order #7. Total cost for this work order will be \$3,453,000. Work representing a minimum of 27% of the design fees for this work order will be done by local subcontractors.

Table 1 in the Board memo summarizes the amounts currently committed and invoiced on each of the currently active work orders and three proposed work orders. In addition to the proposed work order #7, which is the subject of this memo, there are two additional work orders that are pending, Work Order #5 for additional certification analysis and documentation for the Chain of Rocks and Mel Price levee reaches, and Work Order #6 for additional work to support the Section 408 Review. Both of these work orders reflect activities that were not anticipated in the project budget adopted in July, 2011.

Table 2 in your memo shows current contractual commitments as a portion of the overall status of the project budget. Existing and proposed expenditures are within budget, except for the design category and a new budget category for Corps design review. There are several reasons that proposed design and review expenditures exceed the July, 2011 budget. There are additional costs for Section 408 review that we did not anticipate. There will be additional costs for inspection and certification documentation for the Chain of Rocks and Mel Price levee reaches as we discussed earlier. There will also be adjustments in the design budget resulting from changes in proposed project features. In particular, the increased use of graded filters to replace higher cost underseepage controls such as cutoff walls results in the need for additional pump stations. The additional design costs of these pump stations are offset by very substantial savings in construction costs.

Additional costs not included in the July, 2011 budget for consulting fees include \$181,000 for the Section 408 review and \$953,000 for additional pump station design. In the absence of these items, total consulting fees for design would remain about \$253,000 under budget. With the addition of these items, however, costs will exceed the design budget by \$702,374, in combination with additional fees for the Corps design review of \$181,000 for a total of \$883,374 in additional costs.

AMEC and its subcontractors continue to perform at a high level, meeting all of our expectations for timeliness and quality of work products and effective control of design costs. In addition, they continue to respond to our continuing scheduling and budgetary concerns.

A motion was made by Mr. Long and seconded by Mr. Pennekamp to authorize the Chief Supervisor to execute Work Order #7 for Final Design with AMEC Earth and Infrastructure to include 100% complete construction documents and associated design services in support of the design, construction and certification of levee systems operated by the Wood River, Metro-East Sanitary District, Prairie DuPont and Fish Lake levee districts. The cost of Work Order #7 will not exceed \$3,453,000 and will be effective beginning on December 16, 2011 and ending on November 29, 2013. A minimum of 27% of the costs will be incurred by local subcontractors with the remainder by AMEC.

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

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

Mr. Maher – Aye
Mr. Motil – absent
Mr. Parks – Aye
Mr. Pennekamp – Aye

The motion was approved unanimously with eight members present voting aye

AMEC Task Order 6 – Consulting Services for USC Sec. 408 Project Review

As we have previously discussed, the Corps has imposed on our project an extensive review process under the authority that the agency interprets is provided to them by 33 USC Section 408. The review process imposes added costs in the form of extensive additional documentation that must be prepared and submitted, attending meetings with the Corps review teams, formally responding to Corps comments and questions on the design, and developing a series of individual permit application packages. This process is far in excess of what we anticipated when we established the original design budget.

I am making the recommendation to move ahead with this reluctantly, and only because it seems that we have little choice but to comply with the Corps' self-imposed requirements. There should be little doubt, however, that the funds expended on this redundant review process would have otherwise been spent on levee improvements that would actually reduce risk to the public.

A motion was made by Mr. Pennekamp and seconded by Mr. Parks to authorize the Chief Supervisor to execute Work Order #6 – USACE 408 Reviews with AMEC Environment & Infrastructure. The cost of the providing the services described in the work order will not exceed \$181,000 and cover a period between December 1, 2011 and March 30, 2013.

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

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

The motion was approved unanimously with eight members present voting aye

Other Business

There was no other business.

Adjournment

Motion made by Mr. Motil, seconded by Mr. Pennekamp to adjourn the meeting. The motion was approved unanimously by voice vote, all voting aye.

Respectfully submitted,

Dan Maher,
Secretary/Treasurer, Board of Directors

Progress Report December 21, 2011 SW IL Levee System By Jay Martin



Design Activities

- Design and Construction Documents... **Delivered 60%**
 - Berms
 - Cut off walls
 - Interior drainage
 - Pump stations
 - Ditching
 - Seepage blankets/toe drains
 - Wetlands mitigation
 - Utility relocations
 - Temporary construction access roads
 - Limits of disturbance
 - Existing roadway relocation

Information Provided for 408 Approval



Document and File Type ⁴	Levee System		
	Wood River	MESD	Prairie du Pont / Fish Lake
60% Plans (provided under separate cover)	X	X	X
60% Specifications (provided under separate cover)	X (One set inclusive of all levees)		
Pipe Hydraulics	X	X	X
Utility Conflicts	X	X	X
Technical Decision Record (TDR) Log, listing conclusion or action for each levee segment (.pdf)	X	X	X
Computations and input, sequential from beginning to end of each levee, identified by station (.pdf)	X	X	X
Leaky Blanket Spreadsheet, including Basic Data, Well Design and Seepage Berm tabs (.pdf)	X	X	X
Leaky Blanket Spreadsheet, including Basic Data, Well Design* and Seepage Berm tabs (.xls)	X	X	X
Underseepage models from Seep/W (.pdf) ³	X	X	X
Underseepage models from Seep/W (.gsz)	X	X	X
Trench stability analyses, LWR deep cutoff wall (.pdf and .gsz)	X	N/A	N/A
SWMM Models	X	X	X
HEC-HMS Models	X	X	X
HEC-RAS Models	X	X	X

3

FILES/FOLDERS SUBMITTED



563170001-ADM-DBM-0002_60% Design Basis Memo/Deliverables
 563170001-ADM-DWG-0002_60% Design Construction Drawings - WR
 563170001-ADM-DWG-0003_60% Design Construction Drawings - MESD
 563170001-ADM-DWG-0004_60% Design Construction Drawings - PDPFL
 563170001-CIV-CAL-0001_60% Design Hydraulic Calculations - WR
 563170001-CIV-CAL-0002_60% Design Hydraulic Calculations - MESD
 563170001-CIV-CAL-0003_60% Design Hydraulic Calculations - PDPFL
 563170001-CIV-LST-0004_60% Design Utility Impacts - WR
 563170001-CIV-LST-0005_60% Design Utility Impacts - MESD
 563170001-CIV-LST-0006_60% Design Utility Impacts - PDPFL
 563170001-CIV-SPC-0002_60% Civil Specifications
 563170001-GEO-CAL-0001_60% GEOTECH DESIGN MODELS - WR
 563170001-GEO-CAL-0002_60% Trench Stability Analysis - WR
 563170001-GEO-CAL-0003_60% Blanket Theory Spreadsheet - MESD
 563170001-GEO-CAL-0004_60% Computations Beginning to End of Levee - MESD
 563170001-GEO-CAL-0005_60% MESD Filter Analysis - MESD
 563170001-GEO-CAL-0006_60% SeepW Models and Supporting Documentation - MESD
 563170001-GEO-CAL-0007_60% Well Analyses with Blanket Theory - MESD
 563170001-GEO-CAL-0008_60% Blanket Theory Spreadsheet - FL
 563170001-GEO-CAL-0009_60% Blanket Theory Spreadsheet - PDP
 563170001-GEO-CAL-0010_60% SeepW - PDP
 563170001-GEO-CAL-0011_60% SeepW - FL

4

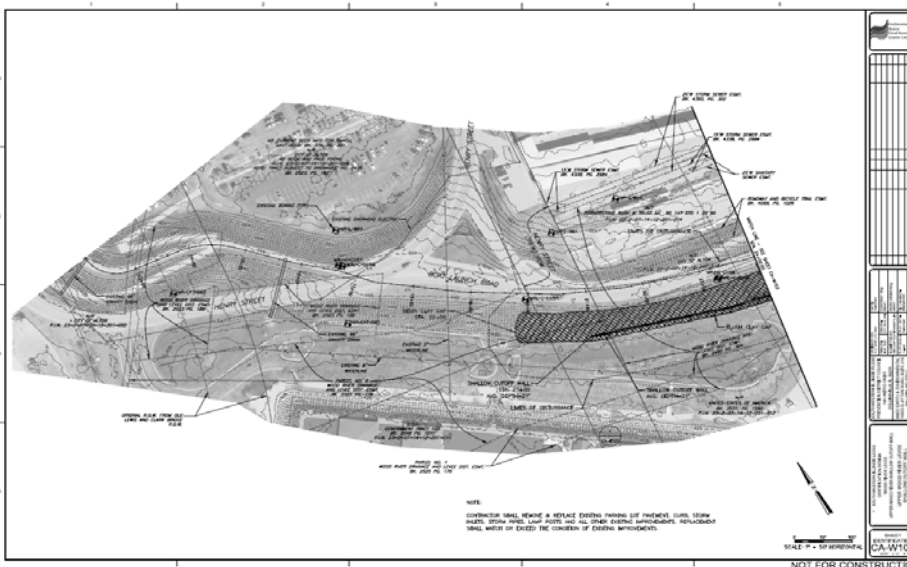
FILES/FOLDERS SUBMITTED



563170001-GEO-CAL-0012_60% TDR Reaches - PDPFL
563170001-GEO-DBM-0003_60% Design Memorandum - WR (FINAL with ITR)
563170001-GEO-DBM-0004_60% PDPFL Design Summary
563170001-GEO-LST-0001_60% FLANK (E & W Forks) WOOD RIVER TDR
563170001-GEO-LST-0002_60% LOWER WOOD RIVER TDR
563170001-GEO-LST-0003_60% UPPER WOOD RIVER TDR
563170001-GEO-LST-0004_60% TDR Log MESD
563170001-HH-CAL-0001_60% SWMM MODEL - WR
563170001-HH-CAL-0002_60% SWMM MODEL - MESD
563170001-HH-CAL-0003_60% SWMM MODEL - PDPFL
563170001-HH-CAL-0004_60% HMS MODEL - Wood_River
563170001-HH-CAL-0005_60% HMS MODEL - Cahokia Indian
563170001-HH-CAL-0006_60% HMS MODEL - Carr Creek
563170001-HH-CAL-0007_60% HMS MODEL - PDP Canal
563170001-HH-CAL-0008_60% RAS MODEL - WFWoodR
563170001-HH-CAL-0009_60% RAS MODEL - WoodR_EFWoodR
563170001-HH-CAL-0010_60% RAS MODEL - Cahokia_Cr
563170001-HH-CAL-0011_60% RAS MODEL - Carr Creek
563170001-HH-CAL-0012_60% RAS MODEL - Indian_Cr
563170001-HH-CAL-0013_60% RAS MODEL - PDP_Canal

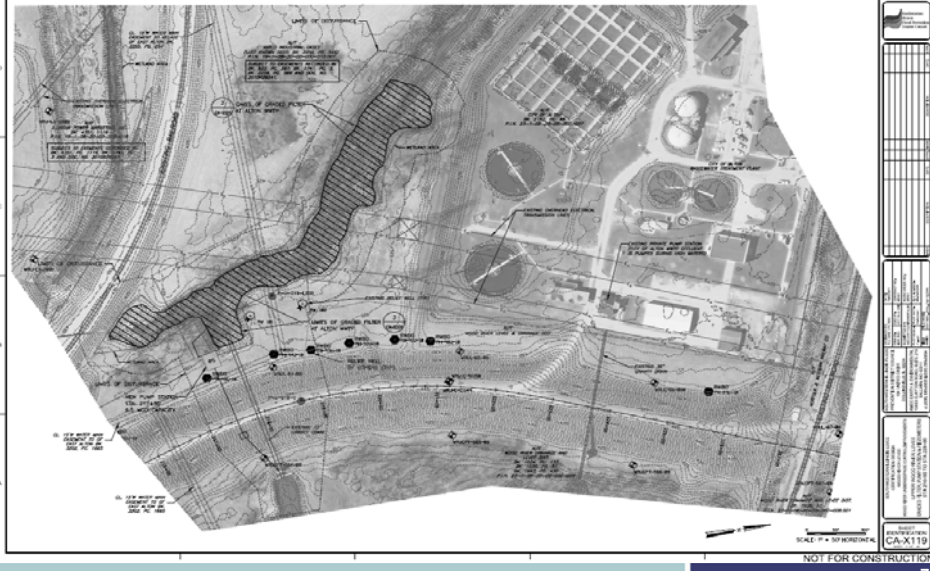
5

TYPICAL 60% DRAWING

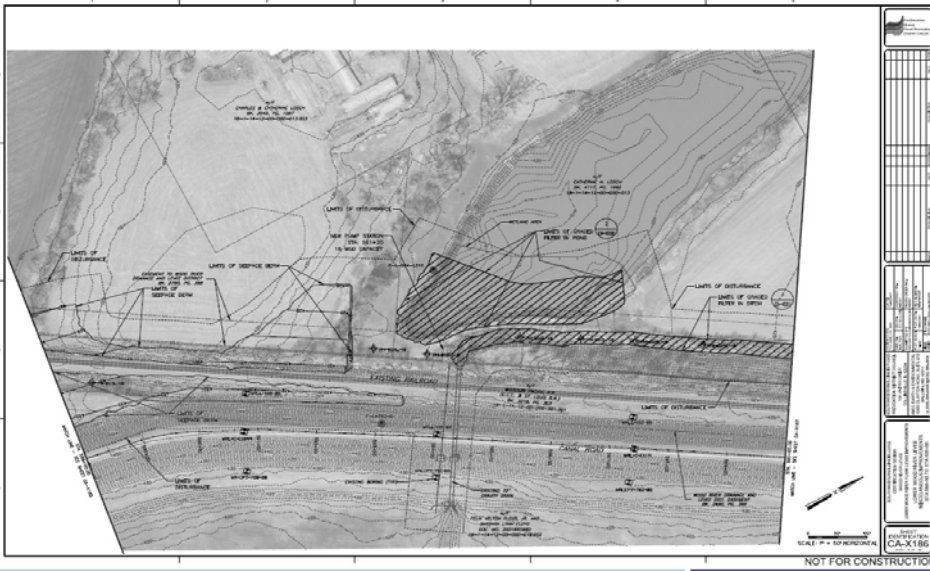


6

TYPICAL 60% DRAWING



TYPICAL 60% DRAWING



Construction Cost Estimate



- 60 % construction cost estimate
- Aligned with current drawings and specs

...Delivered

Permits Application



- 404 and 401 including preliminary wetlands mitigation plan

...Delivered joint application

Biggest Changes - Wood River



- Decreases
 - Seepage Berms - \$1.5M
 - C/O walls - \$13.7M
 - RW - \$1.8M
 - Utilities/Disturbance - \$1M
- Increases
 - Pump Stations - \$3.5M
 - Excavation & Haul Off - \$1.4M
 - Dewatering - \$7.9M

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Biggest Changes - MESD



- Decreases
 - Clear and Grub - \$1.4M
 - Seepage Berms - \$1.2M
 - C/O walls - \$18.9M
 - RW - \$3.5M
 - Utilities - \$7.1M
 - Wetlands - \$1.4M
- Increases
 - Excavation and Haul Off - \$5.2M
 - Graded Filters/Trench - \$4.8M
 - Pump Stations - \$6.9M

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Biggest Changes – PdP/FL



- Decrease
 - RW (rehab) - \$0.5M

- Increases
 - Seepage Berms - \$1.7M
 - RW - \$1.4M
 - Pump Station - \$7.4M
 - Land Acquisition - \$0.7M
 - Wetlands - \$0.6M

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Future Work



- Task Order #07 - 100% design (plans, specs, cost estimate)
- Task Order # 06 – USACE 408 Process
- Task Order #05 – Levee Screening (Mel Price and COR segments)

...Presented to Chief Supervisor of Construction and the Works

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Field activities



- Archeology
- Land surveying



Task	Start	End	2012				2013				2014				2015			
			CP1.4	CP1.1	CP1.2	CP1.3	CP1.4	CP1.1	CP1.2	CP1.3	CP1.4	CP1.1	CP1.2	CP1.3	CP1.4			
Work Package 1	12/16/2011	11/1/2013	[Timeline bar]															
404/401 Permit	12/16/2011	3/24/2012	[Timeline bar]															
USACE Technical Review	12/16/2011	1/14/2012	[Timeline bar]															
100% Construction Doc Prep	12/16/2011	1/21/2012	[Timeline bar]															
USACE 408 Final Review & Permission	1/22/2012	2/20/2012	[Timeline bar]															
Local Permit Review	1/22/2012	2/20/2012	[Timeline bar]															
Bid	1/22/2012	3/5/2012	[Timeline bar]															
Addenda	2/21/2012	3/5/2012	[Timeline bar]															
Bid Review/Recommendation	3/6/2012	3/12/2012	[Timeline bar]															
County Board Approval	3/13/2012	4/11/2012	[Timeline bar]															
Council Authorization	3/13/2012	4/11/2012	[Timeline bar]															
Contracting (Award & Notice to Proceed)	4/12/2012	5/11/2012	[Timeline bar]															
Construction	5/12/2012	11/1/2013	[Timeline bar]															
Work Package 2	12/16/2011	1/24/2014	[Timeline bar]															
USACE Technical Review	12/16/2011	1/14/2012	[Timeline bar]															
80% Construction Doc Prep	1/16/2012	2/29/2012	[Timeline bar]															
Land Acquisition	3/1/2012	5/29/2012	[Timeline bar]															
100% Construction Doc Prep	3/1/2012	4/14/2012	[Timeline bar]															
USACE 408 Final Review & Permission	4/15/2012	5/14/2012	[Timeline bar]															
Local Permit Review	4/15/2012	5/14/2012	[Timeline bar]															
Bid	4/15/2012	5/28/2012	[Timeline bar]															
Addenda	5/15/2012	5/28/2012	[Timeline bar]															
Bid Review/Recommendation	5/29/2012	6/4/2012	[Timeline bar]															
County Board Approval	6/5/2012	7/4/2012	[Timeline bar]															
Council Authorization	6/5/2012	7/4/2012	[Timeline bar]															
Contracting (Award & Notice to Proceed)	7/5/2012	8/2/2012	[Timeline bar]															
Construction	8/4/2012	1/24/2014	[Timeline bar]															
Work Package 3	12/16/2011	2/1/2014	[Timeline bar]															
USACE Technical Review	12/16/2011	1/14/2012	[Timeline bar]															
Construction Documents	3/9/2012	4/22/2012	[Timeline bar]															
Land Acquisition	4/1/2012	6/29/2012	[Timeline bar]															
USACE 408 Final Review & Permission	4/23/2012	5/22/2012	[Timeline bar]															
Local Permit Review	4/23/2012	5/22/2012	[Timeline bar]															
Construction	8/12/2012	2/1/2014	[Timeline bar]															
Work Package 4	12/16/2011	3/27/2014	[Timeline bar]															
USACE Technical Review	12/16/2011	1/14/2012	[Timeline bar]															

Work Packages



- WP-1 - Gravity Drain & Gravel Filter Rehab (WR & MESD) –May 2012
 - WP-2 - Pump Stations (WR, MESD & PdP/FL) – Aug 2012
 - WP-3 - Relief Wells, Berm, Graded Filter & Toe Drain (WR) – Sept 2012
 - WP-4 - Clay Blanket, Graded Filter & Toe Drain (MESD) – Oct 2012
 - WP-5 - Relief Wells, Clay Blanket, Graded Filter & Toe Drain (MESD) – Dec 2012
-
- WP-6 - Relief Wells & Berm (PdP/FL) – Feb 2013
 - WP-7 - Cutoff Walls (WR) – July 2013
 - WP-8 - Wetland Mitigation (offsite) – May 2013

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Budget



- Task Order Status
 - TO - #1 Program Management - ongoing
 - TO - #2 Preliminary Design 30% - complete
 - TO - #3 Preliminary Construction – ongoing
 - TO - #4 - Preliminary Design 60% - complete
- Pending...
 - TO - #5 – Additional Levee Screening (COR and Mel Price)
 - TO - #6 - USACE 408 Process
 - TO - #7 – Final Design 100%

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Issues & Concerns



- Weather and river levels
- Cultural resources – State Historic Preservation Office
- USACE 408 process
- Permits 404 & 401
- Chair of Rocks and Mel Price certification

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Look Ahead



- Respond to technical comments from the Corps on the back up shared at 60%
- Track permit application (404, 401) – answer questions, information requests
- Push forward on completion of 100% submittals and 408 requirements, package by package
- Develop wetland mitigation design
- Mel Price & Chain of Rocks evaluation

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QUESTIONS?





Memo to: Board of Directors
From: Les Sterman
Subject: Budget Reports through January 31, 2011
Date: February 13, 2012

Attached are the budget reports for December 2011 and January 2012 prepared by our fiscal agent, LarsonAllen. The reports include an accounting of revenues and expenditures for the two months ending January 31, 2011, as compared to our fiscal year budget for the year ending on September 30, 2012.

Accrued expenditures for the current fiscal year are \$5,417,278, while revenues amounted to \$3,697,659. Expenditures included a surplus held by the bond Trustee of \$1,234,104 that was returned to the counties as required by the bond indenture. We did not budget for the return of surplus, so it contributes to negative budget variance. All other costs remain well within budgeted amounts.

Sales tax receipts for October and November are relatively flat year over year, but through 11 months of 2011 sales tax receipts are up a little over 2%, but after a 7% rate of growth in 2010 we are well within our overall projected rate of growth.

**SOUTHWESTERN ILLINOIS FLOOD REVENTION
DISTRICT COUNCIL**

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

THREE MONTHS ENDING DECEMBER 2011 AND 2010



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 three months ended December 31 2011 and 2010. 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, 2012 and 2011, 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.


CliftonLarsonAllen LLP

St. Louis, Missouri
January 14, 2011

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
THREE MONTHS ENDED DECEMBER 31, 2011 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2012 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,000,000	\$ 11,000,000	\$ 2,797,237	\$ 8,202,763
Interest Income	878,365	878,365	627	877,738
Other Contributions	-	-	-	-
Total Revenues	<u>11,878,365</u>	<u>11,878,365</u>	<u>2,797,864</u>	<u>9,080,501</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	6,000,000	6,000,000	1,394,503	4,605,497
Construction	20,000,000	20,000,000	64,664	19,935,336
Construction and design by US ACE	1,100,000	1,100,000	-	1,100,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>27,100,000</u>	<u>27,100,000</u>	<u>1,459,167</u>	<u>25,640,833</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	21,845	104,155
Construction Oversight	160,000	160,000	23,554	136,446
Impact Analysis/Research	1,000	1,000	-	1,000
Financial Advisor	20,000	20,000	941	19,059
Bond Underwriter/Conduit Issuer	93,529	93,529	-	93,529
Total Design and Construction	<u>400,529</u>	<u>400,529</u>	<u>46,340</u>	<u>354,189</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	-	-	401,985	(401,985)
Monroe County	-	-	39,406	(39,406)
St. Clair County	-	-	408,975	(408,975)
Total Refund of Surplus Funds to County	<u>-</u>	<u>-</u>	<u>850,366</u>	<u>(850,366)</u>
Debt Service				
Principal and Interest	6,197,300	6,197,300	2,323,270	3,874,030
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,323,270</u>	<u>2,173,298</u>
Total Operating Expenses	33,697,829	33,697,829	4,679,143	27,317,954
General and Administrative Costs				
Salaries, Benefits	189,365	189,365	46,081	143,284
Advertising	2,500	2,500	-	2,500
Bank Service Charges	420	420	210	210
Conference Registration	700	700	-	700
Equipment and Software	2,300	2,300	-	2,300
Fiscal Agency Services	20,000	20,000	16,005	3,995
Furniture	300	300	-	300
Meeting Expenses	1,000	1,000	83	917
Miscellaneous Startup Expenses	-	-	-	-
Office Rental	-	-	-	-
Postage/Delivery	600	600	135	465
Printing/Photocopies	2,500	2,500	351	2,149
Professional Services	18,000	18,000	225	17,775
Publications/Subscriptions	200	200	-	200
Supplies	1,350	1,350	224	1,126
Telecommunications/Internet	3,500	3,500	797	2,703
Travel	12,500	12,500	1,844	10,656
Other Business Expenses	-	-	-	-
Insurance	3,000	3,000	990	2,010
Total General & Administrative Costs	<u>258,235</u>	<u>258,235</u>	<u>66,945</u>	<u>191,290</u>
Total Expenditures	<u>33,956,064</u>	<u>33,956,064</u>	<u>4,746,088</u>	<u>27,509,244</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(22,077,699)	(22,077,699)	(1,948,224)	(24,025,923)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (22,077,699)</u>	<u>\$ (22,077,699)</u>	<u>\$ (1,948,224)</u>	<u>\$ (24,025,923)</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
THREE MONTHS ENDED DECEMBER 31, 2010 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2011 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 10,510,886	\$ 10,510,886	\$ 4,497,950	\$ 6,012,936
Interest Income	335,060	335,060	993	334,067
Other Contributions	-	-	-	-
Total Revenues	<u>10,845,946</u>	<u>10,845,946</u>	<u>4,498,943</u>	<u>6,347,003</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	6,598,265	6,598,265	533,454	6,064,811
Construction	50,000,000	50,000,000	210,542	49,789,458
Construction and design by US ACE	1,650,000	1,650,000	1,137,564	512,436
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>58,248,265</u>	<u>58,248,265</u>	<u>1,881,560</u>	<u>56,366,705</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	41,754	84,246
Construction Oversight	140,833	140,833	-	140,833
Impact Analysis/Research	20,000	20,000	-	20,000
Financial Advisor	-	-	-	-
Bond Underwriter/Conduit Issuer	-	-	-	-
Total Design and Construction	<u>286,833</u>	<u>286,833</u>	<u>41,754</u>	<u>245,079</u>
Bond Issuance Costs	<u>1,152,000</u>	<u>1,152,000</u>	<u>1,289,739</u>	<u>(137,739)</u>
Reimbursement of Advance Funding	<u>3,501,778</u>	<u>3,501,778</u>	<u>3,241,072</u>	<u>260,706</u>
Debt Service				
Supplemental Bond Reserve Fund	5,731,238	5,731,238	-	5,731,238
Principal and Interest	4,987,151	4,987,151	-	4,987,151
Total Debt Service	<u>10,718,389</u>	<u>10,718,389</u>	<u>-</u>	<u>10,718,389</u>
Total Operating Expenses	<u>73,907,265</u>	<u>73,907,265</u>	<u>6,454,125</u>	<u>67,453,140</u>
General and Administrative Costs				
Salaries, Benefits	183,885	183,885	42,799	141,086
Advertising	2,500	2,500	-	2,500
Bank Service Charges	420	420	122	298
Conference Registration	700	700	-	700
Equipment and Software	3,800	3,800	2,285	1,515
Fiscal Agency Services (EWG)	16,500	16,500	6,765	9,735
Furniture	1,000	1,000	641	359
Meeting Expenses	400	400	-	400
Miscellaneous Startup Expenses	-	-	-	-
Office Rental	7,200	7,200	-	7,200
Postage/Delivery	500	500	84	416
Printing/Photocopies	1,350	1,350	-	1,350
Professional Services	12,500	12,500	-	12,500
Publications/Subscriptions	200	200	-	200
Supplies	1,260	1,260	783	477
Telecommunications/Internet	3,190	3,190	691	2,499
Travel	8,200	8,200	1,821	6,379
Other Business Expenses	1,750	1,750	61	1,689
Insurance	3,000	3,000	978	2,022
Total General & Administrative Costs	<u>248,355</u>	<u>248,355</u>	<u>57,030</u>	<u>191,325</u>
Total Expenditures	<u>74,155,620</u>	<u>74,155,620</u>	<u>6,511,155</u>	<u>67,644,465</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(63,309,674)	(63,309,674)	(2,012,212)	(61,297,462)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	84,268,762	84,268,762	95,863,994	(11,595,232)
NET CHANGE IN FUND BALANCE	<u>\$ 20,959,088</u>	<u>\$ 20,959,088</u>	<u>\$ 93,851,782</u>	<u>\$ (72,892,694)</u>

**SOUTHWESTERN ILLINOIS FLOOD REVENTION
DISTRICT COUNCIL**

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

FOUR MONTHS ENDING JANUARY 2011 AND 2010



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 four months ended January 31 2011 and 2010. 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, 2012 and 2011, 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.


CliftonLarsonAllen LLP

St. Louis, Missouri
February 11, 2012

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
FOUR MONTHS ENDED JANUARY 31, 2012 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2012 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,000,000	\$ 11,000,000	\$ 3,696,924	\$ 7,303,076
Interest Income	878,365	878,365	735	877,630
Other Contributions	-	-	-	-
Total Revenues	<u>11,878,365</u>	<u>11,878,365</u>	<u>3,697,659</u>	<u>8,180,706</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	6,000,000	6,000,000	1,640,473	4,359,527
Construction	20,000,000	20,000,000	70,449	19,929,551
Construction and design by US ACE	1,100,000	1,100,000	-	1,100,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>27,100,000</u>	<u>27,100,000</u>	<u>1,710,922</u>	<u>25,389,078</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	23,845	102,155
Construction Oversight	160,000	160,000	40,147	119,853
Impact Analysis/Research	1,000	1,000	-	1,000
Financial Advisor	20,000	20,000	941	19,059
Bond Underwriter/Conduit Issuer	93,529	93,529	-	93,529
Total Design and Construction	<u>400,529</u>	<u>400,529</u>	<u>64,933</u>	<u>335,596</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	-	-	583,386	(583,386)
Monroe County	-	-	57,188	(57,188)
St. Clair County	-	-	593,530	(593,530)
Total Refund of Surplus Funds to County	<u>-</u>	<u>-</u>	<u>1,234,104</u>	<u>(1,234,104)</u>
Debt Service				
Principal and Interest	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,323,270</u>	<u>3,874,030</u>
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,323,270</u>	<u>1,405,822</u>
Total Operating Expenses	<u>33,697,829</u>	<u>33,697,829</u>	<u>5,333,229</u>	<u>25,896,392</u>
General and Administrative Costs				
Salaries, Benefits	189,365	189,365	59,587	129,778
Advertising	2,500	2,500	-	2,500
Bank Service Charges	420	420	247	173
Conference Registration	700	700	25	675
Equipment and Software	2,300	2,300	-	2,300
Fiscal Agency Services	20,000	20,000	18,082	1,918
Furniture	300	300	-	300
Meeting Expenses	1,000	1,000	83	917
Miscellaneous Startup Expenses	-	-	-	-
Office Rental	-	-	-	-
Postage/Delivery	600	600	143	457
Printing/Photocopies	2,500	2,500	351	2,149
Professional Services	18,000	18,000	651	17,349
Publications/Subscriptions	200	200	-	200
Supplies	1,350	1,350	327	1,023
Telecommunications/Internet	3,500	3,500	1,032	2,468
Travel	12,500	12,500	2,531	9,969
Other Business Expenses	-	-	-	-
Insurance	3,000	3,000	990	2,010
Total General & Administrative Costs	<u>258,235</u>	<u>258,235</u>	<u>84,049</u>	<u>174,186</u>
Total Expenditures	<u>33,956,064</u>	<u>33,956,064</u>	<u>5,417,278</u>	<u>26,070,578</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(22,077,699)	(22,077,699)	(1,719,619)	20,358,080
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (22,077,699)</u>	<u>\$ (22,077,699)</u>	<u>\$ (1,719,619)</u>	<u>\$ 20,358,080</u>

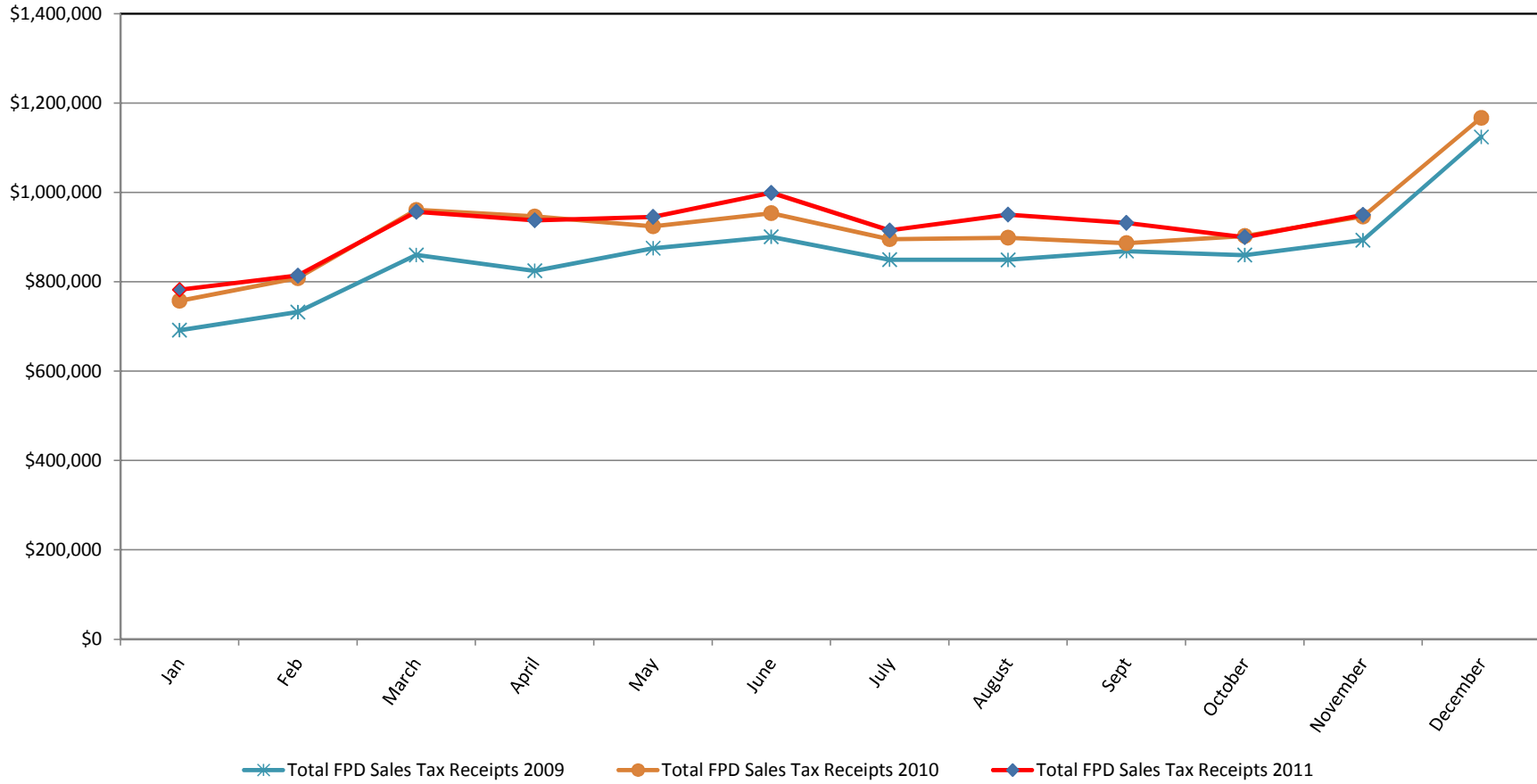
**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
FOUR MONTHS ENDED JANUARY 31, 2011 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2011 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 10,510,886	\$ 10,510,886	\$ 4,497,950	\$ 6,012,936
Interest Income	335,060	335,060	2,200	332,860
Other Contributions	-	-	-	-
Total Revenues	<u>10,845,946</u>	<u>10,845,946</u>	<u>4,500,150</u>	<u>6,345,796</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	6,598,265	6,598,265	553,454	6,044,811
Construction	50,000,000	50,000,000	294,270	49,705,730
Construction and design by US ACE	1,650,000	1,650,000	1,137,564	512,436
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>58,248,265</u>	<u>58,248,265</u>	<u>1,985,288</u>	<u>56,262,977</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	44,754	81,246
Construction Oversight	140,833	140,833	-	140,833
Impact Analysis/Research	20,000	20,000	-	20,000
Financial Advisor	-	-	-	-
Bond Underwriter/Conduit Issuer	-	-	-	-
Total Design and Construction	<u>286,833</u>	<u>286,833</u>	<u>44,754</u>	<u>242,079</u>
Bond Issuance Costs	<u>1,152,000</u>	<u>1,152,000</u>	<u>1,292,239</u>	<u>(140,239)</u>
Reimbursement of Advance Funding	<u>3,501,778</u>	<u>3,501,778</u>	<u>3,241,072</u>	<u>260,706</u>
Debt Service				
Supplemental Bond Reserve Fund	5,731,238	5,731,238	-	5,731,238
Principal and Interest	4,987,151	4,987,151	-	4,987,151
Total Debt Service	<u>10,718,389</u>	<u>10,718,389</u>	<u>-</u>	<u>10,718,389</u>
Total Operating Expenses	<u>73,907,265</u>	<u>73,907,265</u>	<u>6,563,353</u>	<u>67,343,912</u>
General and Administrative Costs				
Salaries, Benefits	183,885	183,885	56,492	127,393
Advertising	2,500	2,500	-	2,500
Bank Service Charges	420	420	178	242
Conference Registration	700	700	-	700
Equipment and Software	3,800	3,800	2,627	1,173
Fiscal Agency Services (EWG)	16,500	16,500	9,311	7,189
Furniture	1,000	1,000	641	359
Meeting Expenses	400	400	-	400
Miscellaneous Startup Expenses	-	-	-	-
Office Rental	7,200	7,200	-	7,200
Postage/Delivery	500	500	84	416
Printing/Photocopies	1,350	1,350	-	1,350
Professional Services	12,500	12,500	-	12,500
Publications/Subscriptions	200	200	-	200
Supplies	1,260	1,260	856	404
Telecommunications/Internet	3,190	3,190	912	2,278
Travel	8,200	8,200	2,434	5,766
Other Business Expenses	1,750	1,750	61	1,689
Insurance	3,000	3,000	978	2,022
Total General & Administrative Costs	<u>248,355</u>	<u>248,355</u>	<u>74,574</u>	<u>173,781</u>
Total Expenditures	<u>74,155,620</u>	<u>74,155,620</u>	<u>6,637,927</u>	<u>67,517,693</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(63,309,674)	(63,309,674)	(2,137,777)	(61,171,897)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	84,268,762	84,268,762	95,863,994	(11,595,232)
NET CHANGE IN FUND BALANCE	<u>\$ 20,959,088</u>	<u>\$ 20,959,088</u>	<u>\$ 93,726,217</u>	<u>\$ (72,767,129)</u>

Flood Prevention District Sales Tax Trends 2009-2011

	2009													County Share
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total	
Madison	\$321,968	\$336,765	\$397,425	\$387,385	\$414,350	\$421,402	\$399,616	\$401,188	\$400,090	\$404,847	\$405,930	\$492,814	\$4,783,780	46.319%
St. Clair	\$337,979	\$362,696	\$424,556	\$398,395	\$419,126	\$438,230	\$411,968	\$410,484	\$429,852	\$412,637	\$446,806	\$581,721	\$5,074,450	49.134%
Monroe	\$31,641	\$32,903	\$37,830	\$38,757	\$41,326	\$40,847	\$37,817	\$37,497	\$38,652	\$42,270	\$40,332	\$49,755	\$469,627	4.547%
Total Month	\$691,588	\$732,364	\$859,811	\$824,537	\$874,802	\$900,479	\$849,401	\$849,169	\$868,594	\$859,754	\$893,068	\$1,124,290	\$10,327,857	
Cumulative Total	\$691,588	\$1,423,952	\$2,283,763	\$3,108,300	\$3,983,102	\$4,883,581	\$5,732,982	\$6,582,151	\$7,450,745	\$8,310,499	\$9,203,567	\$10,327,857		
	2010													
Madison	\$353,146	\$374,416	\$456,795	\$462,697	\$440,815	\$452,308	\$427,329	\$433,047	\$419,455	430,210	\$442,904	\$529,069	\$5,222,191	47.272%
St. Clair	\$367,458	\$399,480	\$464,089	\$439,748	\$439,139	\$458,299	\$421,447	\$423,718	\$424,971	\$429,581	\$457,927	587067	\$5,312,924	48.094%
Monroe	\$36,770	\$34,324	\$39,884	\$43,769	\$44,358	\$43,102	\$46,499	\$41,816	\$42,207	\$42,746	\$45,411	\$51,004	\$511,890	4.634%
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Cumulative Total	\$757,374	\$1,565,594	\$2,526,362	\$3,472,576	\$4,396,888	\$5,350,597	\$6,245,872	\$7,144,453	\$8,031,086	\$8,933,623	\$9,879,865	\$11,047,005		
% change/month	9.51%	10.36%	11.74%	14.8%	5.7%	5.9%	5.4%	5.8%	2.1%	5.0%	6.0%	3.8%		
% change/total	9.51%	9.95%	10.62%	11.72%	10.39%	9.56%	8.95%	8.54%	7.79%	7.50%	7.35%	6.96%	6.96%	
	2011													
Madison	\$380,021	\$383,976	\$460,129	\$454,562	\$466,904	\$477,396	\$436,637	\$473,303	\$448,256	\$444,204	\$455,842		\$4,881,230	48.419%
St. Clair	\$363,984	\$395,231	\$455,562	\$437,820	\$436,490	\$475,972	\$433,460	\$433,777	\$441,030	\$412,793	\$451,390		\$4,737,509	46.993%
Monroe	\$38,315	\$34,759	\$41,192	\$44,975	\$41,786	\$45,836	\$44,887	\$43,323	\$42,564	\$42,690	\$42,252		\$462,579	4.588%
Total Month	\$782,320	\$813,966	\$956,883	\$937,357	\$945,180	\$999,204	\$914,984	\$950,403	\$931,850	\$899,687	\$949,484		\$10,081,318	
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			
% change/month	3.29%	0.71%	-0.40%	-0.94%	2.26%	4.77%	2.20%	5.77%	5.10%	-0.32%	0.34%			
% change/total	3.29%	1.96%	1.06%	0.52%	0.88%	1.58%	1.67%	2.18%	2.50%	2.22%	2.04%			

FPD Sales Tax Trends Actual Receipts 2009-2011





Memo to: Board of Directors
From: Les Sterman
Subject: December 2011 and January 2012 Disbursements
Date: February 13, 2012

Attached are lists of bank transactions for December, 2011 and January 2012. Total disbursements for December were \$1,360,075.19 and for January were \$461,597.55. The largest amounts were payments to AMEC for design and pre-construction activities, to the Prairie DuPont/Fish Lake levee districts for previously committed expenditures to reline two gravity drains, and to East-West Gateway for FPD administrative services.

Design costs are paid from funds held in the Construction Account by the bond Trustee. Legal and administrative costs are paid from the Administration Account held by the Trustee.

Recommendation:

Accept December 2011 and January 2012 disbursement reports.

Southwestern Illinois Flood Prevention District Council
Transactions by Account
 As of December 31, 2011
SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
DECEMBER 31, 2011

Beginning Bank Balance December 1				97,235.05
Receipts				
	12/16/2011	Funds Transfer	1,181,030.47	
	12/16/2011	Funds Transfer	10,867.94	
	12/19/2011	St. Clair Co Professional Se	1,000.00	
	12/23/2011	Funds Transfer	144,819.24	
	12/31/2011	December Interest	124.75	
Total Receipts				1,337,842.40
Disbursements				
Husch Blackwell Sanders	12/01/2011 1500	Professional Services	2,394.45	
LogMeln, Inc	12/12/2011 Auto W/D		36.04	
AT&T	12/15/2011 Auto W/D	Phone Bill	151.14	
Bank Charges	12/16/2011	Transfer Fee	10.00	
Bank Charges	12/16/2011	Wire Transfer Fee	10.00	
AMEC Earth & Environmental, Inc.	12/19/2011 1501	563170001	1,308,948.13	
East-West Gateway Council of Governments	12/19/2011 1502	Professional Services	38,952.25	
Husch Blackwell Sanders	12/19/2011 1503	Professional Services	7,450.65	
LarsonAllen LLP	12/19/2011 1504	Professional Services	1,800.00	
Les Sterman	12/19/2011 1505	Office Expenses	133.58	
Safeguard	12/19/2011 1506	Office Expenses	131.62	
Walmart	12/20/2011 Auto W/D	Office Expenses	5.97	
Bank Charges	12/23/2011	Transfer Fee	10.00	
FEDEX	12/27/2011 Auto W/D	Delivery	24.40	
Bank Charges	12/31/2011	Bank Charges	16.96	
Total Disbursements				1,360,075.19
Ending Bank Balance December 31, 2011				75,002.26

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
JANUARY 31, 2012**

Beginning Bank Balance January 1				75,002.26
Receipts				
	01/17/2012	Funds Transfer	4,822.53	
	01/18/2012	Funds Transfer	415,357.32	
	01/31/2012	Interest Income	79.70	
	01/05/2012	US Treasury	24.19	
Total Receipts				420,283.74
Disbursements				
AMEC Earth & Environmental, Inc.	01/05/2012	Services	16,319.60	
Dorgan, McPike & Assoc, LTD	01/05/2012	Services	3,000.00	
Prairie DuPoint Levee and Sanitary Distri	01/05/2012	Services	48,587.50	
Sprague & Urban, Attorneys at Law	01/05/2012	Services	150.00	
Wisper ISP, Inc.	01/05/2012	Internet	54.99	
Campion Group, LLC	01/16/2012	Services	8,684.70	
Campion Group, LLC	01/16/2012	Services	7,907.88	
AMEC Earth & Environmental, Inc.	01/16/2012	Services	347,450.22	
Campion Group, LLC	01/16/2012	Services	6,685.08	
East-West Gateway Council of Governments	01/16/2012	Services	20,607.30	
LarsonAllen LLP	01/16/2012	Services	1,800.00	
Wire Transfer	01/17/2012	Wire Fee	10.00	
Wire Transfer	01/18/2012	Wire Fee	10.00	
Monthly Bank Charges	01/31/2012	Bank Charges	17.12	
Office Depot	01/09/2012	Supplies	34.57	
HostGator.com	01/16/2012	Web Site	150.00	
www.newegg.com	01/17/2012	Supplies	67.98	
T-Mobile	01/17/2012	Telephone	30.00	
Ruby Tuesday	01/26/2012	Travel	30.61	
Total Disbursements				461,597.55
				33,688.45



Memo to: Board of Directors

From: Les Sterman

Subject: Authorization to Negotiate Contract for Wetland Mitigation

Date: February 11, 2012

Section 404(b)(1) of the Federal Clean Water Act requires that anyone proposing activities within “waters of the United States” that are not water dependent is required to demonstrate that they have considered all appropriate reasonable and prudent measures to avoid and minimize impact to such waters. Furthermore, compensatory mitigation should be considered only after avoidance and minimization measures have been fully evaluated and applied to the extent practicable.

Because of the floodplain location of the levee systems and the proximity of wetland and streams that in some cases directly abut the levee, complete avoidance of all impacts is not feasible. Our designers have taken all practical and reasonable steps to avoid and minimize wetland impacts, but it will be necessary to replace about 26 acres of wetlands. Because some of those wetlands are of higher quality, it will be necessary to replace them at a ratio exceeding 1:1. In total, our consultants estimate that nearly 48 acres of wetland of various types must be created to fully compensate for the wetlands that will be affected by the project.

In addition to impacts on wetlands, about 1,600 feet of existing streams will be affected. In accordance with existing state and federal guidance, we will need to secure 2,869 stream mitigation credits (e.g. restoration or enhancement of existing streams) to compensate for project impacts.

While the Council will ultimately carry the legal responsibility, under the terms of our Section 404 permit, for monitoring and maintenance of mitigation sites, we do not have in-house operations capability nor do we seek to own property long-term. It is prudent, therefore, to seek a mitigation arrangement that divests ownership and operational responsibilities to a third-party. We also would benefit from an arrangement that would provide mitigation at a single site to minimize administrative and operational complexity and cost. Because time is of the essence on our project, we favored sites that had either been already acquired by proposers or could be imminently acquired. Lastly, because our budget and financing are constrained, cost is important.

Over the last several months, we have undertaken a multistep process to identify parties that could provide the necessary mitigation on terms favorable to the Council and at a cost that is consistent with our budget. The following summarizes the solicitation process used to identify candidate mitigation sites/proposers and develop a selection recommendation.

An initial meeting was held with representatives from Madison, St. Clair, and Monroe Counties on September 8, 2011, to provide information about wetland mitigation needs for the project. Mitigation needs were presented and ideas were discussed for potential mitigation sites and opportunities, including opportunities for partnering with others to satisfy project mitigation needs while also addressing recreational, conservation, stormwater management, or other needs within the counties. Discussion included interest by the counties to manage internal flooding after the 1993 flood and centered on several sites that the Corps of Engineers had identified within the American Bottoms for flood control and ecological restoration. Based on these discussions and the earlier work performed by the Corps, several candidate mitigation sites were identified and were eventually included in the conceptual mitigation plan presented as part of our Section 404 permit application to the Corps.

Subsequent to this initial meeting, several interested parties contacted the Council offering mitigation ideas or services. On October 18, 2011 a request for proposal for third party mitigation services for the subject project was issued to those who had contacted the Council in response to our informal inquiries and discussion. Third-party proposals were received from On-Site Soils, Wetlands Forever, Southwestern Illinois Resource Conservation and Development, and Ducks Unlimited. The proposals were reviewed with additional follow-up to seek clarification, where needed, and to ensure a thorough understanding of each proposal. Proposals were evaluated as documented in the attached November 11, 2011 memo from Steve Stumne (Attachment 1).

None of the proposals completely met the objectives described above, so we continued to solicit for a more favorable proposal. Two local landfill companies came forward with informal proposals to create wetland credits for the project, while potentially utilizing soils excavated from those sites for landfill cover and liner. These proposals create a mutually beneficial arrangement that provides an opportunity for cost-sharing.

The Council issued the *Conceptual Wetland and Stream Mitigation Plan for the Southwestern Illinois Levee Project* for the Council on December 9, 2011. This *Plan* was part of the Joint Permit Application package submitted to the USACE St. Louis District on December 16, 2011. The *Plan* identified four candidate mitigation sites in Madison County and two in Monroe County. The Madison County sites were Judy's/Burdick Branch, Elm Slough, Brushy Lake, and South McDonough Lake. The two sites in Monroe County were Fountain Creek and American Bottoms. As noted in Section 3.3 of the *Plan* and in accordance with 33 CFR 332.4(b), additional sites were being evaluated that had to be kept confidential for business purposes.

In early January (2012) letters were sent to Republic Services and Waste Management soliciting formal proposals to provide the required mitigation. Due to the uncertain process of property acquisition, Waste Management was not able to respond with a specific site, definitive approach or timely schedule. Republic Services was able to provide a fully responsive proposal that

identified a mitigation site – a 60-acre portion of a larger parcel that the company already owns near an existing landfill in Madison County.

As shown below in Table 1, the Republic Services proposal is the only site that can generate the full amount of mitigation credits required. On February 2, AMEC representative and I met with representatives of Republic to clarify the terms and conditions of their proposal and to evaluate the potential for a successful third party mitigation agreement using their site located at the confluence of Cahokia Creek and Indian Creek in Madison County. Because the site is now owned by the company, property acquisition would not be required, minimizing the time to provide the needed mitigation. Further, cultural resources clearance has already been coordinated with the State Historic Preservation Officer and wetland delineation is under development. Republic agreed to provide within their proposed cost all monitoring and maintenance of the site for a period of 7 years in accordance with the anticipated requirements of the Section 404 permit. No other terms and conditions that we will require presented an immediate obstacle.

Table 1
Summary of Candidate Wetland Mitigation Sites

<i>Candidate Site</i>	<i>County</i>	<i>Cost Estimate</i>	<i>Comments</i>
Judy’s/Burdick Branch	Madison	NA	No 3 rd party mitigation proposed here
Elm Slough	Madison	NA	No 3 rd party mitigation proposed here
Brushy Lake (SW Illinois RCD)	Madison	\$2,160,000	Not fully adequate by itself: cannot generate more than 1,700 stream credits (2,869 needed)
South McDonough Lake	Madison	NA	No 3 rd party mitigation proposed here
Allied/Republic Site	Madison	\$1,275,000*	Fully Adequate providing all wetland and stream mitigation credits
Fountain Creek (On-Site Soils)	Monroe	\$820,000	Not fully adequate by itself: cannot generate the 17 forested wetland credits required
American Bottoms (Wetlands Forever)	Monroe	\$1,480,000	Not fully adequate by itself: cannot generate the 2,869 stream credits required – also considered a high risk site on river

*cost range provided was \$1,020,000 – \$1,275,000; Allied to provide best and final offer

While the Republic proposal would accomplish the Council's objectives most predictably and expeditiously, we believe that our objectives could be met with other options as well, notably Fountain Creek and Elm Slough. In the end, we must balance cost against our other objectives, including reducing our long-term liability for maintenance of the selected sites.

Recommendation: Authorize the Chief Supervisor to begin negotiations to determine the cost, terms, and conditions of an agreement with Republic Services to provide wetland and stream mitigation for the project. In the event that these negotiations are not successful, the Chief Supervisor is authorized to negotiate for the Fountain Creek and/or American Bottoms sites. Any such agreement would require Board consideration and approval at a subsequent meeting.



Memo to: Board of Directors
From: Les Sterman
Subject: Renewal of Government Relations Contract with Dorgan/McPike
Date: February 11, 2012

For the last four years, the firm of Dorgan-McPike has been providing advocacy services first to the county Flood Prevention Districts, and then to the Flood Prevention District Council for matters before the Illinois General Assembly. The current two-year contract between the Council and Dorgan-McPike concludes on April 20, 2012.

Dorgan-McPike has effectively and successfully represented the Council for the last three years. The firm was instrumental in assembling support for the passage of the original enabling legislation that authorized the FPD sales tax and related actions to implement the area's efforts to restore the levee systems. Dorgan McPike also successfully helped secure the passage of SB 2520, which now allows the Metro-East Sanitary District to annex areas that are currently protected by the levee system maintained by the District. The firm also helped win support for successful passage for SB 2556, which addressed the problems caused by the Governor's Executive Order on Floodplain Management.

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

The cost of the current contract is \$36,000 a year, payable in monthly installments.

Recommendation: Authorize the Chief Supervisor to execute a contract with Dorgan-McPike Assoc., Ltd to represent the Council before the Illinois General Assembly and executive branch on matters affecting financing and reconstruction of the levee systems for two years concluding on April 20, 2014 at a annual cost of \$36,000.





Memo to: Board of Directors

From: Les Sterman

Subject: AMEC Task Order 5 – Inspection of Chain of Rocks and Mel Price Levee Reaches

Date: February 11, 2012

The Corps of Engineers owns, maintains, and operates the Chain of Rocks levee, a 9.6 mile segment of levee contiguous with the levee system owned by the Metro-East Sanitary District. It is an integral component of the levee system that protects the American Bottom from flooding by the Mississippi River. In order to secure FEMA accreditation of the levee system, appropriate information must be developed to certify that this segment of levee meets FEMA criteria for 100-year flood protection.

In 2009, the Corps of Engineers identified a serious problem of uncontrolled underseepage in the vicinity of the Mel Price Locks and Dam. The agency concluded that these problems were a direct result of the construction of the Locks and Dam project and determined that the cost of addressing this underseepage problem would be paid by the Corps of Engineers. The Corps has not yet approved a permanent fix, but they have designed interim operational measures to reduce the danger of failure of the adjacent levee. No funds have been appropriated yet, nor is there any schedule to implement the permanent improvement to solve the underseepage problem. Nevertheless, this segment of levee must be certified before the levee system can be accredited.

Much as we are working to develop the documentation to certify that the levee systems owned and operated by the four local levee districts meet the criteria promulgated by FEMA in 44 CFR 65.10, we have asked the Corps to do the same for the Chain of Rocks and Mel Price levee reaches. The Corps has declined to do so, citing internal policy that limits the agency to certifying an entire levee system, rather than discrete segments. They have also claimed that they will not certify the Mel Price segment since they are not the owner of that system. We have unsuccessfully argued that FEMA does not require the certification of an entire system; rather FEMA asks levee owners to certify segments of levee and the agency will make the determination if the entire system complies with 44 CFR 65.10.

Notwithstanding the insubstantial arguments made by the Corps to deny responsibility for certifying these levee segments, we have little choice but to undertake this work ourselves, since we will be unable to reach our goal of accreditation of the levee system if these segments are missing. We did not include certification of these segments in our original scope of work for the project since we made what I thought to be a reasonable assumption that the Corps would certify

their own levees, especially with significant improvements made to the Chain of Rocks levee in recent years as well as the ongoing Corps studies relating to improvement of the Mel Price reach. Given these circumstances, I asked AMEC to prepare a scope of work and cost estimate to certify these levee segments. The certification process will involve at least three distinct steps: inspection, testing and analysis, and documentation. Note that if these steps result in the identification of deficiencies that require correction that would be an additional problem that we would face.

A proposed AMEC Work Order 5 to accomplish the inspection is attached. The cost of this work would be \$155,000. This cost is consistent with AMEC's previously incurred costs to inspect the rest of the system. Once this work is completed, we will likely need to undertake borings and other testing and analysis activities to confirm compliance with regulatory criteria that the Corps does not typically address.

Because this work was unanticipated, none of it is included in our existing budget. Between the additional certification work and the added Corps-imposed internal and external reviews, our unbudgeted costs will likely exceed \$1,000,000.

I make the following recommendation reluctantly, and only because we have little choice but to undertake this additional work in the absence of the Corps taking appropriate responsibility for it.

Recommendation: Authorize the Chief Supervisor to execute Work Order #5 – Chain of Rocks and Mel Price Area Inspection Services. The cost of the providing the services described in the work order will not exceed \$155,000 and cover a period between February 15 and August 31, 2012.



WORK ORDER NO: MSA01-WO05

CHAIN OF ROCKS AND MEL PRICE AREA LEVEE SCREENING SERVICES

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

By and Between

AMEC Earth & Environmental, 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 Mel Price Segment Stations 55-118, Metro - East Sanitary District Chain or Rocks Segment

3. PERIOD OF PERFORMANCE: February 15, 2012 through August 31, 2012

4. AUTHORIZED FUNDING: \$155,000.00

5. SPECIAL PROVISIONS: n/a

**Southwestern
Illinois Flood Prevention District Council**

AMEC Earth & Environmental, Inc.

By: _____
Name: Les Sterman
Title: Chief Supervisor of
Construction and the Works

By: _____
Name: Jim Shepard
Title: Senior Vice President

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

Date: _____
Address: 15933 Clayton Road, Suite 215
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**Attachment A
Scope of Work**

**WORK ORDER NO: MSA01-WO05
LEEVE CERTIFICATION INSPECTION – Phase I**

AMEC Project No: 56317001

Services to be provided by AMEC under this Work Order include a data review and collection for Chain of Rocks and Mel Price levee segments, a levee assessment inspection, freeboard analysis for these levee segments, interior drainage analysis for these segments, and work scope development (if required) for geotechnical investigations and analyses required to determine FEMA CFR 65.10 compliance in preparation for evaluation and report that summarizes compliance with FEMA’s CFR 65.10. This scope of services is limited to the approximately 10 linear miles of levee designated as “Federal Levees”, more specifically identified in the following table.

Levee Reaches			
Start Station	End Station	Description	Comment
55+00	118+00	Mel Price L&D	
262+00	773+00	Chain of Rocks	Referenced stationing is MESD

The screening of these two levee segments is proposed to be completed in two Phases. Phase I scope of services is included within this Scope of Work and Task Order. Phase II will consist of a second scope of work and task order, which will include any additional subsurface investigations, geotechnical analyses, and/or additional investigations and analysis required to fully screen and determine compliance with 44 CFR 65.10.

1. DATA COLLECTION/REVIEW OF HISTORICAL DATA/INFORMATION

1.1 Data Collection/Review

Prior to completion of this Phase I screening, AMEC will collect available data from the St. Louis COE District related to the two levee segments .Following is a list of data that we attempt to collect:

- O&M manuals/plans
- Performance/inspection reports
- Design documents including the original design memoranda
- Construction records and as-built drawings
- Survey data
- Topography
- Inspection reports

- Flood fighting, damage and repair records
- Utility crossing data
- Additional data relevant to FEMA certification that becomes available
- Records of previous geotechnical field and laboratory investigations
- Analyses conducted to date (e.g., blanket theory spreadsheets and Geotechnical Stability and Seepage Models
- Cross sections prepared for purposes of analysis
- Embankment Protection Modeling and/or Analyses
- Pump Station Assessments and Operations and Maintenance Data
- Construction Documents for projects under construction, out to bid, planned/upcoming/funded
- Relief Well information – CADD and XLS files – under construction, out to bid, planned/upcoming/funded, as-built for existing wells, test results for existing wells
- Pipe video's and condition reports for all interior drainage structures
- Closures structure condition reports
- Pump curves, megger testing, and pump station assessment reports for all pump stations.

To accomplish this task, AMEC will coordinate with the Council or parties designated by the Council to obtain this data. AMEC will coordinate with the St. Louis COE District to obtain available data and information. We anticipate at least one trip to the St. Louis COE District. As part of this task, AMEC will review the Operations and Maintenance Manual, Operational plan and the As-Built Drawings to determine compliance with 44 CFR 65.10 requirements. In addition, AMEC will review the data associated with these two levee segments that is relevant to levee certification that is collected. We will review of the O&M manual, Operational plans and as-built drawings, and identifying obvious deficiencies that would prohibit certification. A summary of this review and a detailed listing of non compliance items will be included as part of this review. Updates to the O&M manual and As-built drawings are not included within this scope of services.

1.2 Data Collection Assumptions:

- It is assumed that all data received is in a usable format. It is assumed all models are in an electronic and working format; and topography, imagery, GIS data, utility crossing data, etc. are in an electronic format with defined projections and require minimal manipulation for use.
- Significant data manipulation is not included in this Scope of Services.

2. FIELD INSPECTION TO VERIFY/SUPPLEMENT SECONDARY SOURCE DOCUMENTATION

2.1 Field Inspection

The AMEC team will complete a field inspection to assess the condition of the levees. Notes and photographs taken during the inspection will be incorporated into the project GIS Geodatabase. The visual inspection will focus on the following requirements of 44 CFR 65.10:

- Freeboard — settlement areas, low spots, closures, "gaps" at roadway and railroad crossings, erosion, rutting, depressions, and tie-ins to other embankments and/or natural ground, etc.
- Closures — street or railroad gates, stoplog structures, sand bag closures, flap gates, sluice gates, valves, utilities, etc.
- Embankment Stability — settlement, vertical and horizontal displacement, slides, bulges, desiccation cracking, longitudinal cracking, transverse cracking, seepage areas, boils, SLC-3457187-2 piping, toe drains, relief wells, encroachments, adjacent fill, trees and undesirable vegetation, stumps, penetrations including roots and utilities, significant animal burrows or penetrations, etc.
- Embankment Settlement Potential — depressions focusing on geotechnical features such as old oxbows or channel areas, sags, cracking, differential settlement of structures, etc.
- Interior Drainage — Encroachments in ponding areas, accumulation of debris causing blockage, sedimentation, channel stability, channel conveyance, obstructions, vandalism, etc.
- Embankment Protection — Evidence of erosion, condition of riprap or other armoring, channel scour, degradation, aggregation, etc.
- Floodwalls — evidence of settlement, instability, movement, deterioration, of floodwalls that may be detrimental to the system.

To complete this task, AMEC will use one five person team at Mel Price, and one 4 person team at Chain of Rocks to complete the field inspection. It is estimated that this team will spend approximately 2.5 days in the field assessing the condition of the approximately 10 miles of levee.

2.2 Pump Station Assessments

Pump station records will be reviewed as part of this Phase I assessment. Pump stations will also be viewed in the field. Requirements for individual pump station inspections will be determined as part of this phase, and any additional inspections or analyses will be completed during the Phase II phase investigations and analysis phase.

2.3 Video Inspections

At this time it is assumed that Videos have been obtained by the COE of all interior drainage structures, and those videos and/or reports are available for review. Those reports will be reviewed as part of Phase I. Should additional videoing be required, it will be obtained during Phase II.

2.4 Closure Structure Operation

At this time it is assumed that gate closure operations reports have been developed by the COE of all interior drainage structures as well as closure structures, and those reports are available for review. Those reports will be reviewed as part of Phase I. Should additional inspections be required, it will be completed during Phase II.

2.5 Field Inspection Assumptions:

- Access to the levee system, pump stations, and all levee appurtenances and facilities will be provided to AMEC whenever access is necessary.

3. HYDROLOGIC AND HYDRAULIC ANALYSIS TO VERIFY ADEQUACY OF LEVEE HEIGHT TO CONTAIN THE BASE FLOOD

3.1 Freeboard Analysis

AMEC will utilize the hydrologic and hydraulic modeling analyses obtained during the data collection phase to perform a cursory peer review for completeness and appropriateness of approach. This analysis will focus on the UMRSSFFS (Upper Mississippi River System Flow Frequency Study) for the portions of the levee system immediately adjacent to the Mississippi River. AMEC will also evaluate available hydrologic and hydraulic analyses for the Mississippi River tributary streams adjacent to the flank levees. The flank river existing analyses review will focus on available effective FEMA studies and/or preliminary DFIRM (Digital Flood Insurance Rate Map) studies as appropriate.

The top of levee profiles will be compared to the established 1% chance flood elevations (base flood elevation) along the levee system to determine if the top of levee meets FEMA's 44 CFR 65.10 minimum freeboard requirements of 3.0 feet throughout, with an additional 1.0 foot within 100 feet of structures (bridges) and 0.5 feet at the upstream end of the levee. If there are locations that do not meet the minimum FEMA freeboard but at least 2 feet of freeboard is obtained, AMEC will perform a levee overtopping exceedance probability analysis (discussed below).

It is anticipated that the existing studies are sufficient for this analysis in that the general approach used to establish the base flood elevation is reasonable and the execution of the analysis was performed appropriately. Any deficiencies will be reported.

Hydrologic and Hydraulic Analysis Assumptions:

- The freeboard analysis assumes that the top of levee profile is available and no field survey is required to establish the overtopping elevations.
- Existing UMRSSFFS and major tributary analyses will be provided to AMEC for review. No 'from scratch' analyses will be required to verify freeboard.
- Required exceedance probability analysis will be limited to two study reaches.

4. PERFORM INTERIOR DRAINAGE ANALYSIS

AMEC will evaluate the interior drainage at the interior outlet features (pump stations and gravity drains) throughout the 10 miles of study levee segments. To complete the analysis of the levee system's interior drainage, floodplains upstream of and created by the outfall structures will be determined. Much of this work was completed during the initial levee screening project, and for this Phase I, AMEC will finalize that data and include it in the overall report.

The approach to analyzing the interior drainage hydrology will vary depending on site-specific conditions. Contributing drainage areas will be determined using the best available topographic mapping. Runoff hydrographs and peak discharges to each study location will be computed by the computer programs HEC-HMS or XP-SWMM depending on the complexity of the location.

The resulting floodplain elevation upstream of the interior drainage outfalls and pump stations will be determined using the computer models HEC-HMS, XP-SWMM, or PC-SWMM. Factors that will determine which software is best for a given situation include the presence of pumping stations, the complexity of upstream storm sewer networks, and the configuration of storage facilities for interior drainage. For those areas with significant pipe-networks, the XP-SWMM or PC-SWMM computer models will be largely utilized. Contributing drainage areas with primarily overland and open-channel flow will likely be analyzed using HEC-HMS. Parameter development will rely heavily on automated GIS processes to improve efficiency and accuracy.

4.1 Interior Drainage Analysis Assumptions:

- The COE will provide all pump station operational descriptions (as-builts, pump curves, start/stop levels, operations and maintenance manuals, etc...).
- Existing, available topography will be sufficient to establish contributing drainage areas, stormwater storage volume capacities, and inundation maps.

5. GEOTECHNICAL EVALUATION TO DETERMINE CRITICAL DEFICIENCIES

The goal of the geotechnical evaluation during this task will be to review the existing body of work completed by the USACE, perform a cursory independent analysis at selected locations, and identify any data and analytical needs required to analyze compliance with the requirements of 44 CFR 65.10 This task does not include detailed evaluation of slope stability, seepage control, foundation bearing capacity, liquefaction potential, and embankment settlement.

Based on experience, we assume additional subsurface information will be required to characterize the foundation soils and levees; upon completion of Tasks 1 and 2, AMEC will prepare a work plan for any necessary additional subsurface exploration or laboratory testing, and for the analyses necessary to evaluate compliance.

The work will involve review of existing geotechnical reports and other pertinent documentation as well as as-built plans. We assume the following data will be made available to us (at no cost to AMEC) at the project's inception;

- a. Local geologic information, boring logs, laboratory test data
- b. Design document/memoranda including computations for structure components, geotechnical configuration and placement
- c. As-built/As-is drawings showing levee alignment/geometry, material zoning, construction methods, construction records, dewatering requirements (if any), construction failures, post-construction investigations
- d. Annual and periodic inspection reports, including post-flood event inspections
- e. Groundwater studies, relief well and piezometer installation and test reports (and maintenance reports)
- f. Repairs/Upgrades to the levee
- g. Recent geotechnical studies performed by USACE that include:
 - "Live" slope stability models in Slope/W and Seep/W (Geostudio 2007) format for validation
 - "Live" blanket theory spreadsheet analyses
 - Topographic survey of levee embankment cross sections in .dwg or .dgn format
 - Water surface elevations for 100-yr and 500-yr events at all analyzed sections
 - Hydrographs/Duration of 100-yr and 500-yr events at all analyzed sections
 - Soil borings/soundings (processed) logs for all borings/soundings completed to date
 - All laboratory test results for all testing completed to date
 - All geotechnical analyses reports clearly identifying methodologies, standards, and references used for analyses
 - GPS/State-plane coordinates of all borings/soundings in ArcGIS compatible shape files

6. CONDUCT AN EVALUATION OF CORPS DESIGNED INTERIM SOLUTION

Complete an evaluation of the Corps prepared operating plan for the interim solution to determine it's compliance with 44 CFR 65.10.

7. PRODUCE A PHASE I SCREENING REPORT AND PHASE II WORK PLAN

We shall prepare a report of our findings. The report will include the results of the site inspections, data review, engineering analyses, and Phase II assessment recommendations. The report will include a description of the deficiencies in the levee system.

**Attachment B
Cost Estimate and Compensation Rates**

**WORK ORDER NO: MSA01-WO05
LEVEE CERTIFICATION INSPECTION**

AMEC Project No: 56317001

PROJECT COST ESTIMATE

Task	Labor Cost	Direct Cost	Total Cost
1. Review Existing Data	\$25,000.00	\$5,000.00	\$30,000.00
2. Conduct Field Inspection	\$48,000.00	\$9,000.00	\$57,000.00
3./4. Freeboard Analysis/Interior Drainage	\$7,500.00	\$500.00	\$8,000.00
5. Geotechnical Evaluation	\$23,000.00	\$7,000.00	\$30,000.00
6. Mel Price Interim Solution Evaluation	\$15,000.00	\$5,000.00	\$20,000.00
7.. Phase I Screening Report/Phase II Work Plan	\$8,500.00	\$1,500.00	\$10,000.00
Totals	\$127,000.00	\$28,000.00	\$155,000.00



Memo to: Board of Directors
From: Les Sterman
Subject: Open Meeting Act Training
Date: February 13, 2012

A new requirement of Illinois state statutes requires all members of public bodies to go through a brief online training module on the provisions of the Illinois Open Meetings Act (OMA).

According to the website of the Attorney General:

Pursuant to Section 1.05 (b) of the OMA each elected and appointed member of a public body subject to OMA must successfully complete electronic training between January 1, 2012, and January 1, 2013. Those persons who become members of a public body after January 1, 2012, must complete the electronic training not later than 90 days after the member takes the oath of office or otherwise assume responsibilities as a member of a public body. A member who completes the training and files a copy of the certificate of completion with the public body is not required to subsequently complete this training under subsection (b).

You can access the electronic training at the following website:

http://foia.ilattorneygeneral.net/electronic_foia_training.aspx

Once you complete the training, please forward the certificate of completion to me and I will keep it on file.