



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
February 19, 2014 7:30 am

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

1. Call to Order
Dan Maher, President
2. Approval of Minutes of January 15, 2014
3. Public Comment on Pending Agenda Items
4. Program Status Report
Chuck Etwert, Chief Supervisor
5. Budget Update and Approval of Disbursements
Chuck Etwert, Chief Supervisor
6. Design and Construction Update
Jay Martin, AMEC Environment & Infrastructure
7. Approval of contract for Financial Advisor
Chuck Etwert, Chief Supervisor
8. ABNA Engineering, Inc. Work Order # 2
Quality Control and Materials Testing
Services BP #3
Chuck Etwert, Chief Supervisor
9. Juneau Associates, Inc. Work Orders # 2, 3, & 4
Quality Control and Materials Testing
Services BP #2B, BP #4, & BP #5
Chuck Etwert, Chief Supervisor
10. AMEC Work Order #9
Design of Upper Wood River Cutoff Walls
Chuck Etwert, Chief Supervisor

AGENDA

11. National Flood Insurance Program(NFIP)
Levee System Evaluation Report (LSER) for
Wood River Upper Levee System -
Corps of Engineers
Chuck Etwert, Chief Supervisor
12. Update from Corps of Engineers
13. Public Comment

Executive Session
14. Real Estate Transactions
Chuck Etwert, Chief Supervisor
15. Other Business
16. Adjournment

Next Meeting: March 19, 2014

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING

January 15, 2014

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday January 15, 2014.

Members in Attendance

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

Members Absent

Tom Long, Madison County Flood Prevention District

Others in Attendance

Alan Dunstan, Madison County Board Chair
Mark Kern, St. Clair County Board Chair
Delbert Wittenauer, Monroe County Board Chair
Les Serman, SW Illinois FPD Council
Chuck Etwert, SW Illinois FPD Council
Rich Conner, Levee Issues Alliance
Mike Feldmann, U.S. Army Corps of Engineers
Walter Greathouse, Metro-East Sanitary District
Gary Hoelscher, Millennia Professional Services
Phil Johnson, Phil Johnson Realtor
Charles Juneau, Juneau Associates
Tracey Kelsey, U.S. Army Corps of Engineers
Steve Kochan, Wood River Levee & Drainage District
Ellen Krohne, Leadership Council Southwestern Illinois
Linda Lehr, Monroe County
Jay Martin, AMEC Environment & Infrastructure
Rick Mauch, SCI
Matt McAnarney, Senator Durbin's Office
Kendra Mitchom, AMEC Environment & Infrastructure
Jack Norman, Southern Illinois Groundwater Advisory Council
Jon Omvig, AMEC Environment & Infrastructure
Joseph Parente, Madison County

Dale Stewart, Southwestern Illinois Building Trades Council
Dale Vehlewald, AMEC Environment & Infrastructure
Denny Weber, Wood River Levee & Drainage District
Kurt Wengert, AMEC Environment & Infrastructure

Call to order

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

Approval of minutes of December 18, 2013

A motion was made by Ron Polka, seconded by Ron Motil, to approve the minutes of the Board meeting held on December 18, 2013. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved.

Public Comment on Pending Agenda Items

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

Program Status Report

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

Mr. Sterman indicated that the transition process to the incoming Chief Supervisor, Chuck Etwert, has been taking place over the last month. In addition to building understanding of the project, there are numerous administrative processes and procedures that need to be maintained. One of the disadvantages of a one person operation is that there is no institutional support that will remain after my departure, so the transition process is more difficult. He expressed confidence that Chuck will be able to carry on the work of the Council without interruption after his departure. However, he indicated he will make himself available to respond to questions or assist in any way that Mr. Etwert or the Board thinks is necessary or appropriate.

The process of property acquisition continues to move along. Several important transactions involving large properties in Monroe County have already closed with another property expected to close this week. There are about a dozen properties that still need to be resolved with the majority in Madison County. Several these owners, involving relatively small transactions, have

engaged attorneys and communications have gotten more difficult. The Wood River Levee District is assisting us in the process.

Regarding the Wood River cutoff wall, as discussed last month, the Corps is wrapping up their design. However, AMEC has raised a number of questions as part of their participation on the agency technical review (ATR) team, and those questions have not yet been fully addressed by the Corps. AMEC has been communicating productively with the Corps and the hope is that the design can be completed and handed off to AMEC in the next couple of weeks.

Four proposals were received from firms to serve as the Council's financial advisor. Two firms were selected for interviews, which were held on January 10. Based on the written proposals and the interviews, there will be a recommendation later on in the meeting to retain a financial advisor. We don't expect to be borrowing money soon but there are other financial issues such as coming up with a better process to access the fund balances at the counties, which is to almost sixteen million dollars now.

There has been some progress with the Corps regarding moving money from the Wood River Project cutoff wall (where we have assumed responsibility) to the Mel Price under seepage project which we consider the most serious project on the levee system. Our lobbyist in Washington has been working closely with our congressional delegation. We have received notification from Senator Durbin's office that progress has been made getting language in the appropriation bill and they are working on the water resources bill, they would give the Corps some flexibility to do what we have been asking them to do. Our whole delegation has been very supportive of this issue.

Since this is my last progress report on the project I would like to thank the Board, the county board chairs and the many supporters of the project who have made my job so much more enjoyable. Together, I think we have advanced the project urgently and cost-effectively. The cost estimate to build the improvements to meet the FEMA standards has been significantly reduced, so we will clearly have the financial capacity to keep moving the levee system toward the 500-year level of protection for which it was designed. While I was initially hopeful that the project would move more quickly, and I would continue to serve in my position until the project was completed, events have conspired to make that goal unrealistic.

The regional cooperation that is the hallmark of our work has been remarkable, and it should be a reminder that much more can be accomplished for Southwestern Illinois by working together to solve other difficult problems.

At last month's meeting Mr. Long requested documentation on the Council's and AMEC's disaster recovery systems so a summary report has been provided to the Council which basically indicates that each entity has three separate back-up systems to cover physical damage, file corruption, computer crashes, etc.

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

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

The motion was approved unanimously.

Budget Update and Approval of Disbursements

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

Mr. Sterman noted that the financial statement for December 2013 prepared by our fiscal agent, CliftonLarsonAllen was included in the materials sent for the meeting. The report includes an accounting of revenues and expenditures for the month ending December 31, 2013, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2013 are \$8,440,013 while revenues amounted to \$3,114,998 resulting in a deficit of \$5,325,015. A total of approximately \$16,180,190 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Sales tax receipts showed a small decline in October 2013 (the latest month reported by the Illinois Department of Revenue). Receipts decreased by about 0.61% from last year but remain down by about 2.36% year over year. In general, receipts are running slightly ahead of 2010 levels.

The report includes bank transactions for December 2013. Total disbursements for the month were \$1,121,797.87. The largest payments were to AMEC and its subcontractors for design and construction management services, and to the Town & Country Title Co. to purchase property for the project.

Mr. Sterman recommended that the Board accept the budget report and disbursements for December 2013.

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

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

The motion was approved unanimously.

Mr. Parks arrived at this time.

Design and Construction Update

Mr. Maher called on Jay Martin, AMEC’s project manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks and indicated that holidays and bad weather had impacted progress this past month. His presentation including a few site photos focused on the status of each bid package as follows:

BP #2A – Fish Lake Pump Station

Planning to be on site around January 22

BP #6 – PDP/FL Seepage Improvement

Borrow pit – soil blending is on-going, preparation in berm areas
RW – pilot hole drilling is pending land acquisition

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

Start expected in February, submittals underway

Bid Package Update

BP # 03 – WR Seepage Improvements

BP # 04 – MESD Seepage Improvements (Conoco Phillips)

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

- Notice to Award approved
- Notice to Proceed forthcoming

Construction Phase Overview

Quick overview of AMEC scope – Dale Vehlewald

Typical activities as we begin the individual construction projects – Kurt Wengert

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

- Major comments
 - Panel length and trench issues resolved
 - Additional review comments posted January 3
 - 3D groundwater model for window and end effects
 - Boundary conditions
 - Permeability
 - Working with the Corps – hopeful to close this week

Other Activities...

- Land acquisition – Weekly calls with the team. Process moving forward. Timing is critical to schedule. Several key properties needed.
- Upcoming Work Orders from AMEC
 - Cut off wall design
- Mel Price and Chain of Rocks
 - Certification- path forward
 - Levee walk for Chain of Rocks postponed due to weather
- Relief well designs (pre-construction) all approved

Mr. Sterman indicated that he forgot to mention in the program status report that the St. Louis District of the Corps has received a waiver from Headquarters that would allow them to use federal funds to perform a levee system evaluation of the Upper Wood River and East St. Louis (MESD) levee systems. This evaluation would substitute for the certification required by FEMA and would address two levee reaches of concern to us: the Mel Price uncontrolled underseepage area, and the Chain of Rocks levee. In the former case, AMEC has indicated it would not be able to certify the levee under the current circumstances. In the latter, AMEC will likely be able to certify, but significant data gaps will have to be filled at substantial expense to the Council. The potential problem with accepting the offer from the Corps will be the bifurcation of the design and certification process. The Council purposely combined the two processes under a contract with a single party to assure that, once designed and constructed, the improvements would be certified. It is possible, especially given our experience on the Sec. 408 review that the Corps may not fully agree with the current design. That would create an untenable situation that would jeopardize the progress of the entire project. We have been working with the Corps to assess the risk of allowing the Corps to undertake the certification process. The initial analysis suggest that the risk of any technical disagreements for Upper Wood River (which contains the Mel Price segment), is very low. Such risks would be marginally greater in the MESD area, because the design is more robust and complex. At this point, it would be my recommendation to request that the Corps undertake the levee system evaluation for the Upper Wood River levee system at one hundred percent federal cost. In that case, the small risk is justified by eliminating the near certainty that AMEC would not be able to certify that system as meeting the FEMA criteria. With the risks being much greater and the potential of the certification process being jeopardized our current thought is that we do not have the Corps perform a levee system evaluation of the East St. Louis (MESD) levee system.

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

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

The motion was approved unanimously.

Selection of Financial Advisor

Mr. Maher asked Mr. Sterman to explain this item.

In late October, the Council circulated a request for qualifications (RFQ) for individuals or firms to serve as the Council's financial advisor.

Services to be provided by the advisor include, but are not limited to the following:

1. Assist and advise in maintaining a financial plan for the Council.
2. Work with the Council staff to recommend structure, specific terms and conditions of debt issues. Develop information on available borrowing alternatives. Present information regarding methods of sale, including publicly offered and privately negotiated options.
3. Assist in the sale of bonds by developing documents for and assisting in the competitive solicitation and selection of underwriters and other ancillary services.
4. Identify policy issues and direction(s) related to effective administration of the capital program.
5. Advise the Council on areas of industry specific knowledge that affects the financing and marketing of the project's debt.
6. Assist and advise in the development of debt limits, debt service coverage ratios, debt capacity, call feature structure, reserve funds or other debt policies as requested.
7. Work with the Council staff, attorneys and bond counsel to maintain an effective and legally compliant debt program.
8. Provide technical advice as requested by the Council, orally or in written form, concerning miscellaneous issues and questions that may arise relative to debt structure, the financial markets in general, or any other topic of financial interest.

The Council received submittals from four firms:
Columbia Capital Management, LLC (St. Louis, MO)
PMA Securities, Inc. (Naperville, IL)
Public Financial Management, Inc. (Chicago, IL)
Robert W. Baird & Co. (Naperville, IL)

All four firms are qualified financial advisors with the depth and experience to meet the financing needs of our project and all have experience in the state of Illinois.

After reviewing the proposals based on the qualifications listed in the RFQ, Chuck Etwert and I recommended that the Council interview a “short list” of two finalists to be considered for selection.

The two finalist firms were Columbia Capital Management and Public Financial Management, Inc.

Two Board members, Dan Maher and Alvin Parks, participated in interviews of the finalists on January 10 in the Council offices. Chuck Etwert and I also participated in the interviews. The interviews were thorough and candid. The committee assessed whether the respondent firms and the individuals to be assigned to the work had the depth of experience and background in a range of financial matters relevant to financing our future projects, and how well they understood the specific local conditions that will affect the financing of this project.

At the conclusion of the interviews, the committee agreed that the firms were very closely ranked but unanimously agreed to recommend the selection of Columbia Capital. Both Columbia Capital Management and Public Financial Management have a very wide range of experience. Both firms also have an impressive depth of capability to provide a wider range of financial consulting, should the Council need that service.

The procedure to conclude this procurement is to negotiate a scope and cost with the highest ranked firm. If we are unable to successfully conclude the agreement we would then attempt to reach agreement with the second-ranked firm.

The committee believes that it is prudent to compensate the selected firms through an hourly or fixed fee arrangement depending on the assignment, rather than on a transactional basis (fees determined as a percentage of the amount of debt issued), so there will be no perception of bias that would affect recommendations on the timing and amount of debt issuance.

Copies of all of the proposals are available for your review.

Mr. Sterman recommended that the Chief Supervisor be authorized to enter into negotiations with Columbia Capital Management to perform financial advisory services for the Council. If unable to reach agreement on a scope of work, cost and other terms, an agreement would be sought with Public Financial Management, Inc. Subsequent Board approval will be required before executing a contract.

A motion was made by Mr. Bergkoetter with a second by Mr. Brinkman to authorize the Chief Supervisor to enter into negotiations with Columbia Capital Management to perform advisory services for the Council. Mr. Pennekamp called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Corps of Engineers Update

Mr. Maher asked Tracy Kelsey to provide a report from the Corps.

Ms. Kelsey indicated that her remarks have mostly been addressed earlier by Mr. Sterman and AMEC.

- Wood River - Cutoff wall design being completed and a meeting to be scheduled for handoff to AMEC. PPA executed.
- MESD – Initiating design of deep cutoff wall. PPA going thru channels.

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

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

Public Comment

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

Mr. Maher asked if an executive session to address real estate matters was needed, to which Mr. Sterman responded negative.

Mr. Sterman indicated that the Council had been provided a memo that described all the real estate transactions to date, but there were none that required board approval this month.

At this time each County presented Mr. Sterman certificates and mementos of their appreciation of Mr. Sterman's efforts in getting the project to where it is today. Especially, his efforts of getting everyone one working together in one direction to get this project built.

Mr. Sterman thanked everyone for their support and the incredible friendships that he has made over the last few years.

Other Business

There was no other business.

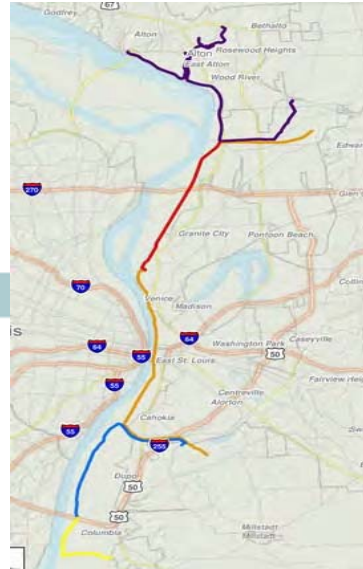
Adjournment

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

Respectfully submitted,

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

Progress Report
January 15, 2014
SW IL Levee System
By Jay Martin



Construction Status

- Holidays and bad weather impacted progress this past month
- BP #2A – *Fish Lake Pump Station*
 - Planning to be on site around January 22
- BP#6 – *PDP/FL Seepage Improvements*
 - Borrow pit – soil blending is on-going, preparation in berm areas
 - RW - pilot hole drilling is pending land acquisition
- BP #2B - *WR/MESD/PDP Pump Stations*
 - Start expected in February; submittals underway

Bid Package Update



BP # 03 – *WR Seepage Improvements*

BP# 04 – *MESD Seepage Improvements (Conoco Phillips)*

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

- Notice to Award approved
- Notice to Proceed forthcoming

3

Construction Phase Overview



- Quick overview of our scope – Dale
- Typical activities as we begin the individual construction projects – Kurt
- Tracking and reporting - Kendra

4



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



- Major comments
 - Panel length and trench stability issues resolved.
 - Additional review comments posted January 3
 - 3D groundwater model for window and end effects
 - Boundary conditions
 - Permeability
 - Working with the Corps – hopeful to close this week

7

Other Activities...



- Land acquisition – Weekly calls with the team. Process moving forward. Timing is critical to schedule. Several key properties needed.
- Upcoming Work Orders from AMEC
 - Cut off wall design
- Mel Price and Chain of Rocks
 - Certification- path forward
 - Levee walk for Chain of Rock postponed due to weather
- Relief well designs (pre construction) all approved

8

Questions?



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for February, 2014
Date: February 14, 2014

The learning process continues as numerous administrative processes and procedures arise each week. Mr. Sterman has been very gracious with his time and has assisted often during the last month.

The process of property acquisition continues to move along. As stated last month, several owners involving relatively small transactions have engaged attorneys and communication has gotten more difficult. We are still needing easements or property acquisition in Bid Packages 3, 5 and 6. With all three of these packages already having been awarded, it is imperative that we reach agreements with these property owners as soon as possible before our contractors start requesting change orders due to delay of site access. Most likely there will be an executive session at the end of the meeting to discuss one or two situations.

Regarding the Council's request for additional information supporting the Corps decision concerning the use of a project labor agreement (PLA), we did receive an additional data disk that included the remaining responses the Corps received during their market survey involving the PLA consideration. However, still lacking is evidence that would support their decision regarding this issue. This issue will be at the forefront as the Council considers all funding options for additional flood protection projects after completing all of our projects bringing the area's levee system to accreditation by the Federal Emergency Management Agency. We will continue to work with the Levee Issues Alliance group to encourage the Corps to reconsider the use of PLAs in the future.

One of the Council's principal legislative priorities has been to provide the Corps with greater flexibility to spend federal funds on the highest priority projects in the Metro-East levee system. Federal appropriations are generally associated with a specific "project" as identified by the Corps and authorized by Congress. As projects are developed over a very long period of time, appropriations may end up out of sequence with actual priorities as measured by current conditions. For example, the Mel Price uncontrolled underseepage deficiency was identified in 2009 by the Corps as a very severe problem. Yet significant funding for other lower priority projects (including some that the Council is already doing with local funds) is coming before funding for the badly needed Mel Price project. We believe that the Corps should be able to shift

federal funds among the set of projects that comprise the Metro-East levee system. This would allow funds to be applied optimally to address the greatest needs, better coordinate with the work of the Council, and provide for greater efficiency in the use of funds.

At our request, the congressional delegation has been working on two legislative strategies to provide the Corps with the flexibility described above. The first approach is to provide appropriate language in the omnibus appropriation bill recently passed by Congress and signed by the President. The delegation was successful in getting this done, although the language is somewhat arcane and designed to avoid any appearance that this approach would effectively result in an earmark. The second strategy is to provide more explicit language in the Water Resources Development Act, a version of which has now been passed by both houses, with the differences now being worked out by a conference committee. We do not yet have any firm indication of the outcome.

Our delegation assures us that the language included in the omnibus appropriations bill provides the Corps with the legal basis to move funds among projects in our area. We now need to encourage the Corps to take advantage of this flexibility.

The Corps handed over the completed design work for the Wood River cutoff walls to AMEC on February 6. AMEC will start immediately converting the plans to their specifications with a goal of completing the task within a two month time frame, thus getting the plans back to the Corps for the 408 review as soon as possible. There is a work order on February's agenda for AMEC to do this design.

Per the Board's approval last month we have negotiated a contract with Columbia Capital to serve as the Council's Financial Adviser for the next two years.

With impending Notice to Proceeds being issued on Bid Packages #3, #4 and #5, work orders need to be executed with ABNA Engineering, Inc. and Juneau Associates, Inc. for Quality Control and Materials Testing. Master Service Agreements with these two firms were approved in July of last year.

As discussed the last two months the St. Louis District of the Corps has received a waiver from Headquarters that would allow them to use federal funds to perform a levee system evaluation of the Upper Wood River and East St. Louis (MESD) levee systems. This evaluation would substitute for the certification required by FEMA and would address two levee reaches of concern to us: the Mel Price uncontrolled underseepage area, and the Chain of Rocks levee. In the former case, AMEC has indicated it would not be able to certify the levee under the current circumstances. In the latter, AMEC will likely be able to certify, but significant data gaps will have to be filled at substantial expense to the Council. The potential problem with accepting the offer from the Corps will be the bifurcation of the design and certification process. The Council purposely combined the two processes under a contract with a single party to assure that, once designed and constructed, the improvements would be certified. It is possible, especially given our experience on the Sec. 408 review that the Corps may not fully agree with the current design. That would create an untenable situation that would jeopardize the progress of the entire project.

We have been working with the Corps to assess the risk of allowing the Corps to undertake the certification process. The initial analysis suggest that the risk of any technical disagreements for Upper Wood River (which contains the Mel Price segment), is very low. I have talked to Dave Busse at the Corps and AMEX, both are in agreement with this analysis. Such risks would be marginally greater in the MESD area, because the design is more robust and complex. Therefore, at this point, it would be my recommendation to request that the Corps undertake the levee system evaluation for the Upper Wood River levee system at one hundred percent federal cost. In that case, the small risk is justified by eliminating the near certainty that AMEC would not be able to certify that system as meeting the FEMA criteria. With the East St. Louis (MESD) levee system with the risks being much greater and the potential of the certification process being jeopardized, it is felt that it is best that we do not have the Corps perform a levee system evaluation.



Memo to: Board of Directors
 From: Chuck Etwert
 Subject: Budget and Disbursement Report for January 2014
 Date: February 14, 2014

Update of Project Construction Costs

The construction costs provided at the December Board did not include the actual bid received for Bid Package #3, therefore, I have updated the projected construction costs.

***Detail of Construction Expenses 2.19.2014 -
12.31.2015***

Construction	12.3.2013 Estimate	2.19.2014 Estimate	<i>Difference 12.3.2013 - 2.19.2014</i>
<i>Bid Package #1</i>	\$0	\$0	\$0
<i>Bid Package #2a</i>	\$747,500	\$747,500	\$0
<i>Bid Package #2b</i>	\$3,866,000	\$3,865,405	\$595
<i>Bid Package #3</i>	\$12,920,000	\$10,082,345	\$2,837,655
<i>Bid Package #4</i>	\$3,190,232	\$3,190,232	\$0
<i>Bid Package #5</i>	\$8,256,482	\$8,256,482	\$0
<i>Bid Package #6</i>	\$12,858,000	\$12,857,128	\$872
<i>Bid Package #7a</i>	\$1,555,556	\$1,555,556	\$0
<i>Bid Package #7b</i>	\$14,365,079	\$14,365,079	\$0
<i>Contingency</i>	\$8,500,897	\$8,302,159	\$198,739
<i>Pre-Const. Testing</i>	\$831,000	\$831,000	\$0
<i>Const. Mgmt.</i>	\$5,521,000	\$5,521,000	\$0
<i>QC/Materials Testing</i>	\$1,732,765	\$1,732,765	\$0
<i>Utilities</i>	\$925,000	\$925,000	\$0
<i>Property Acquisition</i>	\$2,000,000	\$2,000,000	\$0
<i>Wetland Mitigation</i>	\$1,500,000	\$1,500,000	\$0
<i>HazMat Mitigation</i>	\$2,000,000	\$2,000,000	\$0
<i>Repair & Cost Share to LD</i>	\$2,000,000	\$2,000,000	\$0
TOTAL CONSTRUCTION	\$82,769,512	\$79,731,650	\$3,037,862

A regional partnership to rebuild Mississippi River flood protection

Including this difference in funds and based on overall project estimates of expenses and revenues projected last November, it currently appears that the Council will have an approximate surplus of funds of \$15,000,000 at the end of 2015. The estimate has been reduced by more than \$20 million over the last six months. This has the effect of increasing the contingency amounts available, while potentially leaving more funding available for future needs such as federal cost-share, additional locally-funded improvements, or supplemental maintenance.

In sum, the Council remains well-positioned to complete the project, leaving the Council with additional financial capacity for future maintenance and capital improvements.

Current Budget Highlights

Attached is the financial statement for January 2014 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending January 31, 2014, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2013 are \$8,900,399 while revenues amounted to \$4,008,886 resulting in a deficit of \$4,891,513. A total of approximately \$16,180,190 is now held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Sales tax receipts showed a small increase in November 2013 (the latest month reported by the Illinois Department of Revenue). Receipts decreased by about 0.19% from last year but remain down by about 2.16% year over year. In general, receipts are running slightly ahead of 2010 levels.

Monthly Disbursements

Attached are lists of bank transactions for January 2014. Total disbursements for the month were \$2,627,933.28. The largest payments were to AMEC and its subcontractors for design and construction management services, Roxana Landfill, Inc. for wetland mitigation, and to Town & Country Title Co. to purchase property for the project.

Recommendation:

Accept the budget report and disbursements for January 2014.

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

FOUR MONTHS ENDING JANUARY 2014 AND 2013



CliftonLarsonAllen

CliftonLarsonAllen LLP
www.cliftonlarsonallen.com

Board Members
Southwestern Illinois Flood Prevention District Council
Collinsville, Illinois

We have compiled the accompanying General Fund Statement of Revenues and Expenditures – Budget and Actual of Southwestern Illinois Flood Prevention District Council (the “Council”) for the four months ended January 2014 and 2013. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

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

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

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

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

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

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

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

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 2014 and 2013, have not been compiled or examined by us, and, accordingly, we do not express an opinion or any other form of assurance on them.

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

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

CliftonLarsonAllen LLP

St. Louis, Missouri
February 11, 2014

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
FOUR MONTHS ENDED JANUARY 31, 2014 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2014 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,237,000	\$ 11,237,000	\$ 3,620,898	\$ 7,616,102
Interest Income	650,000	650,000	387,988	262,012
Other Contributions	-	-	-	-
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>4,008,886</u>	<u>7,878,114</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction	4,000,000	4,000,000	2,841,385	1,158,615
Management				
Construction	60,000,000	60,000,000	844,121	59,155,879
Construction and design by US ACE	1,000,000	1,000,000	1,562,250	(562,250)
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>5,247,756</u>	<u>59,752,244</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	117,494	92,506
Diversity Program Manager	210,000	210,000	73,409	136,591
Construction Oversight	-	-	-	-
Other	-	-	-	-
Financial Advisor	40,000	40,000	1,320	38,680
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>192,223</u>	<u>367,777</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	504,496	1,765,904
Monroe County	220,800	220,800	49,584	171,216
St. Clair County	2,308,800	2,308,800	503,557	1,805,243
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>1,057,637</u>	<u>3,742,363</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	2,273,670	4,833,770
Federal Interest Subsidy	(910,140)	(910,140)	-	(910,140)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>2,273,670</u>	<u>3,923,630</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>8,771,286</u>	<u>67,786,014</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	76,016	116,315
Advertising	-	-	-	-
Bank Service Charges	600	600	373	227
Conference Registration	500	500	372	128
Equipment and Software	4,000	4,000	1,768	2,232
Fiscal Agency Services	23,000	23,000	8,700	14,300
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	28	972
Postage/Delivery	400	400	149	251
Printing/Photocopies	2,500	2,500	723	1,777
Professional Services	20,000	20,000	33,511	(13,511)
Publications/Subscriptions	250	250	1,992	(1,742)
Supplies	1,500	1,500	759	741
Telecommunications/Internet	2,000	2,000	1,641	359
Travel	15,000	15,000	2,100	12,900
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>129,113</u>	<u>134,968</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>8,900,399</u>	<u>67,920,982</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(64,934,381)	(64,934,381)	(4,891,513)	60,042,868
OTHER FINANCING SOURCES				
Proceeds From Borrowing	10,000,000	10,000,000		10,000,000
NET CHANGE IN FUND BALANCE	<u>\$ (54,934,381)</u>	<u>\$ (54,934,381)</u>	<u>\$ (4,891,513)</u>	<u>\$ 70,042,868</u>

SOUTHWESTERN ILLINOIS FLOOD PROTECTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
FOUR MONTHS ENDED JANUARY 31, 2013 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2013 (Budget)

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,639,000	\$ 11,639,000	\$ 3,629,356	\$ 8,009,644
Interest Income	960,000	960,000	406,660	553,340
Other Contributions	-	-	-	-
Total Revenues	<u>12,599,000</u>	<u>12,599,000</u>	<u>4,036,016</u>	<u>8,562,984</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	6,000,000	6,000,000	1,010,844	4,989,156
Construction	42,600,000	42,600,000	704,562	41,895,438
Construction and design by US ACE	1,400,000	1,400,000	-	1,400,000
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>50,000,000</u>	<u>50,000,000</u>	<u>1,715,406</u>	<u>48,284,594</u>
Professional Services				
Legal & Legislative Consulting	126,000	126,000	13,045	112,955
Construction Oversight	160,000	160,000	-	160,000
Impact Analysis/Research	10,000	10,000	-	10,000
Financial Advisor	20,000	20,000	-	20,000
Bond Underwriter/Conduit Issuer	93,529	93,529	940	92,589
Total Professional Services	<u>409,529</u>	<u>409,529</u>	<u>13,985</u>	<u>395,544</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,955,782	2,955,782	868,838	2,086,944
Monroe County	280,157	280,157	82,390	197,767
St. Clair County	2,907,860	2,907,860	854,787	2,053,073
Total Refund of Surplus Funds to County	<u>6,143,799</u>	<u>6,143,799</u>	<u>1,806,015</u>	<u>4,337,784</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	2,298,720	4,808,720
Federal Interest Subsidy	(910,140)	(910,140)	(343,732)	(566,408)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>1,954,988</u>	<u>4,242,312</u>
Total Operating Expenses	<u>62,750,628</u>	<u>62,750,628</u>	<u>5,490,394</u>	<u>57,260,234</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	82,297	110,034
Advertising	-	-	-	-
Bank Service Charges	420	420	179	241
Conference Registration	500	500	372	128
Equipment and Software	3,000	3,000	1,868	1,132
Fiscal Agency Services	23,000	23,000	7,350	15,650
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	39	961
Postage/Delivery	400	400	132	268
Printing/Photocopies	2,500	2,500	772	1,728
Professional Services	15,000	15,000	450	14,550
Publications/Subscriptions	250	250	80	170
Supplies	1,500	1,500	595	905
Telecommunications/Internet	2,000	2,000	514	1,486
Travel	15,000	15,000	2,400	12,600
Insurance	1,000	1,000	977	23
Total General & Administrative Costs	<u>257,901</u>	<u>257,901</u>	<u>98,025</u>	<u>159,876</u>
Total Expenditures	<u>63,008,529</u>	<u>63,008,529</u>	<u>5,588,419</u>	<u>57,420,110</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(50,409,529)	(50,409,529)	(1,552,403)	48,857,126
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (50,409,529)</u>	<u>\$ (50,409,529)</u>	<u>\$ (1,552,403)</u>	<u>\$ 48,857,126</u>

Flood Prevention District Sales Tax Trends 2009-2013

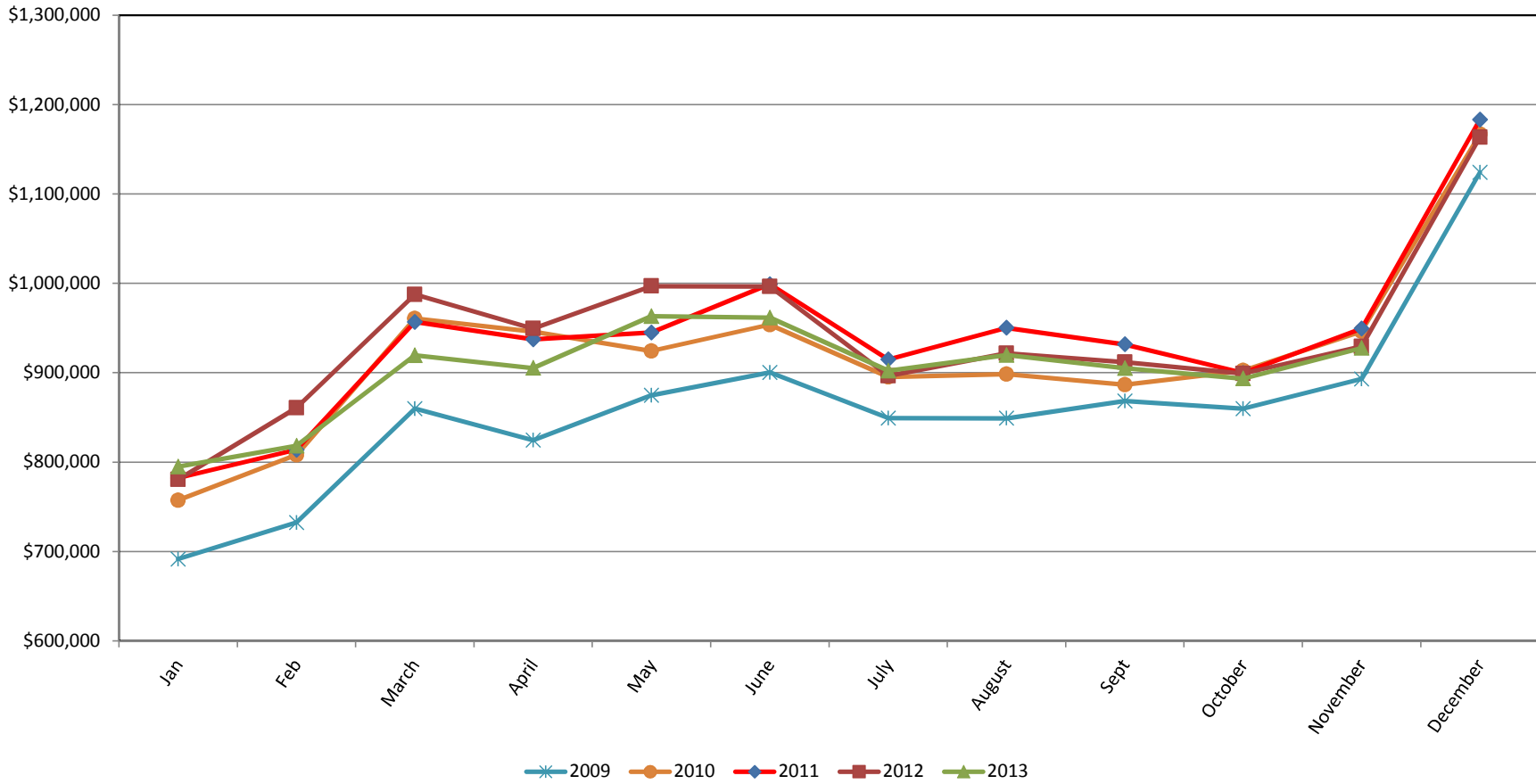
2009														County Share
Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total		
Madison	\$321,968	\$336,765	\$397,425	\$387,385	\$414,350	\$421,402	\$399,616	\$401,188	\$400,090	\$404,847	\$405,930	\$492,814	\$4,783,780	46.319%
St. Clair	\$337,979	\$362,696	\$424,556	\$398,395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

Flood Prevention District Sales Tax Trends 2009-2013

	2013													
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total	
Madison	\$375,398	\$383,170	\$424,507	\$425,469	\$457,212	\$451,494	\$436,686	\$442,449	\$430,541	\$429,499	\$432,541		\$4,688,966	47.306%
St. Clair	\$381,645	\$395,527	\$449,397	\$434,001	\$457,942	\$462,603	\$422,892	\$432,195	\$430,014	\$419,350	\$448,076		\$4,733,642	47.756%
Monroe	\$37,888	\$39,679	\$45,689	\$45,913	\$48,212	\$47,694	\$42,672	\$45,143	\$44,733	\$44,723	\$47,111		\$489,457	4.938%
Total Month	\$794,931	\$818,376	\$919,593	\$905,383	\$963,366	\$961,791	\$902,250	\$919,787	\$905,288	\$893,572	\$927,728		\$9,912,065	
Cumulative Total	\$794,931	\$1,613,307	\$2,532,900	\$3,438,283	\$4,401,649	\$5,363,440	\$6,265,690	\$7,185,477	\$8,090,765	\$8,984,337	\$9,912,065			
% change/month	1.83%	-4.94%	-6.89%	-4.64%	-3.37%	-3.48%	0.64%	-0.21%	-0.74%	-0.61%	-0.19%			
% change/total	1.83%	-1.72%	-3.66%	-3.92%	-3.80%	-3.74%	-3.14%	-2.77%	-2.55%	-2.36%	-2.16%			

Flood Prevention District Sales Tax Trends 2009-2013

Actual Receipts 2009-2013



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
JANUARY 31, 2014**

Beginning Bank Balance January 1			\$ 1,565,232.87
Receipts			
UMB	01/13/2014	Funds Transfer Construction	2,280,056.53
Town & Country Title	01/15/2014	Proceeds from Sale	60,311.48
Micro Supplies	01/24/2014	Return of Purchase	30.68
UMB	01/27/2014	Funds Transfer-Admin	43,613.47
UMB	01/27/2014	Funds Transfer-Construction	356,913.51
The Bank of Edwardsville	01/31/2014	Interest	286.96
			2,741,212.63
Disbursements			
Cost Less Copy Center	01/02/2014	Board Meeting Materials	190.00
Roxana Landfill, Inc.	01/02/2014	Construction	559,400.00
The Bank-Service Fees	01/03/2014	Wire Fee	25.00
Town & Country Title Co	01/03/2014	Purchase of Real Estate	85,295.48
AT & T	01/06/2014	Telephone Service	72.95
The Bank-Service Fees	01/13/2014	Wire Fee	10.00
UMB	01/15/2014	U.S. Treasury Rebate	455,069.89
AMEC Earth & Environmental, Inc.	01/15/2014	Construction	419,915.83
Catherine N Losch, Trustee	01/15/2014	Easement Purchase	192,200.00
Charles Etwert	01/15/2014	Salary	2,905.00
CliftonLarsonAllen LLP	01/15/2014	Fiscal Agent	1,950.00
Cost Less Copy Center	01/15/2014	Board Meeting Materials	96.00
East-West Gateway Council of Govern	01/15/2014	Supervisor Mgt Services	20,453.34
Husch Blackwell Sanders	01/15/2014	Professional Services	77,872.20
Juneau Associates	01/15/2014	Professional Services	500.50
Les Sterman	01/15/2014	Reimbursement	245.00
Marks & Associates	01/15/2014	Diversity Program	14,160.00
Phillip L. Johnson	01/15/2014	Professional Services	23,400.00
Town & Country Title Co	01/15/2014	Purchase of Real Estate	150,875.39
The Bank-Service Fees	01/15/2014	Wire Fee	25.00
The Bank-Service Fees	01/15/2014	Wire Fee	25.00
UMB	01/16/2014	U.S. Treasury Rebate	415,488.80
East-West Gateway Council of Govern	01/23/2014	Postage	201.24
Wood River Drainage and Levee Distri	01/23/2014	Construction	27,318.00
AMEC Earth & Environmental, Inc.	01/27/2014	Construction	112,752.60
Belleville News Democrat	01/27/2014	Advertising	200.00
Charles Etwert	01/27/2014	Supervisor Mgt Services	5,390.00
Dorgan, McPike & Assoc, LTD	01/27/2014	Professional Services	3,000.00
DVK Holdings, LLC	01/27/2014	Construction	6,166.66
Husch Blackwell Sanders	01/27/2014	Professional Services	29,294.12
JIK Holdings LLC	01/27/2014	Construction	6,166.67
Juneau Associates	01/27/2014	Professional Services	388.40
Keller Properties LLC	01/27/2014	Construction	6,166.67
Madison County Title	01/27/2014	Title Searches	4,130.00
Serenity Title & Escrow	01/27/2014	Title Searches	150.00
Smith Dawson & Andrews	01/27/2014	Professional Services	5,000.00
Town & Country Title Co	01/27/2014	Purchase of Real Estate	263.00
The Bank-Service Fees	01/27/2014	Wire Fee	10.00
The Bank-Service Fees	01/27/2014	Wire Fee	10.00
The Bank-Service Fees	01/27/2014	Wire Fee	25.00
The Bank-Service Fees	01/31/2014	Bank Fees	19.04
The Bank-Service Fees	01/31/2014	Wire Fee	25.00
The Bank-Service Fees	01/31/2014	Wire Fee	25.00
Belleville News Democrat	01/03/2014	Advertising	79.95
Digital River Software	01/09/2014	Computer Software	34.96
Endicia	01/13/2014	Postage	110.00
CDW Government	01/14/2014	Supplies	227.07
AT&T	01/14/2014	Telephone Service	92.66
Stardock Sales	01/17/2014	Supplies	4.99
Office Depot	01/21/2014	Supplies	45.47
CDW Government	01/21/2014	Supplies	102.80
Illinois Secretary of State	01/24/2014	Registration Fee	311.00
Micro Electonic	01/24/2014	Supplies	32.88
LabelValue.com	01/29/2014	Supplies	14.72
			2,627,933.28
			\$ 1,678,512.22



Memo to: Board of Directors
From: Chuck Etwert
Subject: Authorization to Enter Into Contract with Financial Advisor
Date: February 14, 2014

On January 15, the Board authorized me to enter into negotiations with Columbia Capital Management, LLC to provide financial consulting and debt issuance services to the Council. This was a qualifications-based procurement and this firm was selected as best qualified, pending the successful negotiation of a scope of work and price. After negotiation, the consultant has agreed to a scope of work and price. The attachment provides details on individual tasks, person-hour estimates and staff costs.

The proposed contract consists of the scope of services identified on the attachment including investment advisory services and post-issuance compliance services with a cost not to exceed \$146,500. Costs were estimated based on a blended and fully loaded hourly rate of \$275/hr., and will be reimbursed based on monthly invoices for time and direct costs spent on the work. Further consulting as may be requested after the completion of contracted work products will be done at a rate of \$275/hr. in an amount not to exceed \$15,000. Direct costs will be reimbursed in accordance with Council policy in a total amount not to exceed \$6,000. The contract is for approximately a two year period and will conclude on December 31, 2015.

This contract is consistent with the Council's approach to compensate our financial advisor on an hourly or fixed fee arrangement depending on the assignment, rather than on a transactional basis (fees determined as a percentage of the amount of debt issued), so there will be no perception of bias that would affect recommendations on the timing and amount of debt issuance.

Recommendation: Authorize the Chief Supervisor to enter into contract with Columbia Capital Management, LLC to provide financial consulting and debt issuance services for the next two years in accordance with the attached scope of work for a total amount not to exceed \$167,500. Consulting services provided beyond the scope of work, if needed, will be reimbursed at a rate of \$275/hr. in a total amount not to exceed \$15,000. The contract will be for a time period to conclude on December 31, 2015. Any additional costs or work beyond the amounts described herein will require Board authorization.



231 S. Bemiston, Suite 800
St. Louis, Missouri 63105

Jeff White, Principal
314.231.4500
jwhite@columbiacapital.com

January 31, 2014

Mr. Charles M. Etwert
Chief Supervisor of Construction and the Works
Southwestern Illinois Flood Prevention District Council
104 United Drive
Collinsville, IL 62234

Dear Mr. Etwert:

Columbia Capital Management, LLC (“Columbia”) is honored to be the Southwestern Illinois Flood Prevention District Council’s (“Council”) choice for financial advisor. Columbia’s expertise and qualifications position it well to meet the Council’s advisory needs, and we look forward to serving as the Council’s financial advisor moving forward.

Identified Scope of Services

Columbia’s work for the Council will include the scope of services identified in the Council’s engagement letter and summarized below:

1. Assist and advise in maintaining a financial plan for the Council.
2. Work with the Council staff to recommend structure, specific terms and conditions of debt issues. Develop information on available borrowing alternatives. Present information regarding methods of sale, including publicly offered and privately negotiated options.
3. Assist in the sale of the bonds by developing documents for and assisting in the competitive solicitation and selection of underwriters and other ancillary services.
4. Identify policy issues and direction(s) related to effective administration of the capital program.
5. Advise the Council on areas of industry specific knowledge that affects the financing and marketing of the project’s debt.
6. Assist and advise in the development of debt limits, debt service coverage ratios, debt capacity, call feature, structure, reserve funds or other debt policies as requested.
7. Work with the Council staff, attorneys and bond counsel to maintain an effective and legally compliant debt program.
8. Provide technical advice as requested by the Council, orally or in written form, concerning miscellaneous issues and questions.
9. Review of investment of bond proceeds and sales tax collections.

We understand the Council plans to compensate us solely on a per-hour basis for the scope of work above, which the Council anticipates will be performed within an approximate two-year period. For the first 100 hours of service in each calendar year, Columbia proposes a blended hourly rate of **\$245**. For each additional hour of work pertaining to this scope of services, we propose the following fee schedule:



Classification	Hourly Rate
President/Principals	\$ 275
Vice Presidents	\$ 225
Analysts	\$ 180
Administrative	\$ 80

Columbia is also prepared to provide additional financial consulting, analytical or debt management work requested by the Council outside the scope of services identified above at an hourly rate of \$275.

Columbia will expense reimbursement for activities—including travel, lodging and meals—related to providing our services to the Council, not to exceed \$6,000 over the two-year period and limited to actual out-of-pocket costs. We may ask the Council to increase this cap if it requests of us extensive travel outside of the St. Louis metro area on its behalf (e.g., rating agency meetings in Chicago, investor visits in Philadelphia, etc.).

Investment Advisory Services

Under new SEC “municipal advisor” regulations, only registered investment advisers with the SEC or registered municipal advisors are permitted to advise issuers/borrowers on the investment of their bond proceeds. Columbia qualifies as both and manages approximately \$175 million in short-term portfolios for our clients.

We are prepared to offer the Council investment advisory services related to the investment of bond proceeds and sales tax proceeds, including construction fund monies. Columbia will develop an investment plan for the Council’s idle funds seeking to preserve safety and liquidity for timely construction withdrawals, while maximizing the Council’s investment returns. We will provide portfolio accounting services and produce a monthly report for the Council on the portfolio activities and returns for the prior month.

At the Council’s request, we have provided a base approach and to alternates related to investment advisory services.

- 1) **Base.** Columbia will conduct a one-time review and report related to the Council’s current investment of bond proceeds at the hourly fees discussed in the table above.
- 2) **Alternate 1.** Columbia will conduct a one-time review and report related to the Council’s current investment of bond proceeds and will provide monthly investment reporting services to the Council at a flat fee of \$1,000 per month.
- 3) **Alternate 2.** For on-going comprehensive investment advisory services, including active portfolio management and monthly reporting, Columbia proposes a flat monthly fee of \$2,000.

Post-Issuance Compliance Services



Columbia is also prepared to provide comprehensive post-issuance compliance services to the Council. With new guidance from the IRS to tax-exempt issuers and borrowers requiring a formalization of their post-issuance responsibilities, Columbia has developed its **munivault**[®] suite of post-issuance compliance services. We created **munivault**[®] to ease the administrative burden of post-issuance compliance, particularly for smaller issuers, and to provide a streamlined, internet-

based approach to ensuring on-going compliance with post-issuance compliance policies and procedures.

For **munivault**[®] services, Columbia proposes a one-time setup fee of \$2,500 per bond series and an annual fee of \$650 per series.

Please find attached to this proposal a detailed summary of our estimated hours and fees on a per-service basis. This summary includes our fee structure for the services explicitly requested by the Council (Identified Scope of Services), as well as Investment Advisory Services (base plus two alternates), Post-Issuance Compliance Services, and an estimate for total reimbursable expenses during the first two years of the engagement period. Included on this schedule are proposed not-to-exceed amount for the various scope categories.

Columbia greatly appreciates the opportunity to serve the Council, and our team looks forward to developing a long-term relationship with the Council as its financial advisor. If you have any questions or concerns regarding the information contained herein, please feel free to contact me.

Respectfully submitted,
COLUMBIA CAPITAL MANAGEMENT, LLC



Jeff White
Principal



Southwestern Illinois Flood Prevention District Council

Fee Proposal



Identified Scope of Services (Assumes Two Year Time Period)

	<u>Personnel</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total Fee</u>
Assist and advise in maintaining a financial plan for the Council.	Principal	35	275.00	9,625.00
	Asst. Vice President	20	225.00	4,500.00
Work with the Council staff to recommend structure, specific terms and conditions of debt issues. Develop information on available borrowing alternatives. Present information regarding methods of sale, including publicly offered and privately negotiated options.	Principal	50	275.00	13,750.00
	Asst. Vice President	35	225.00	7,875.00
Assist in the sale of the bonds by developing documents for and assisting in the competitive solicitation and selection of underwriters and other ancillary services.	Principal	60	275.00	16,500.00
	Asst. Vice President	40	225.00	9,000.00
Identify policy issues and direction(s) related to effective administration of the capital program.	Principal	15	275.00	4,125.00
	Asst. Vice President	5	225.00	1,125.00
Advise the Council on areas of industry specific knowledge that affects the financing and marketing of the project's debt.	Principal	12	275.00	3,300.00
	Asst. Vice President	4	225.00	900.00
Assist and advise in the development of debt limits, debt service coverage ratios, debt capacity, call feature, structure, reserve funds or other debt policies as requested.	Principal	15	275.00	4,125.00
	Asst. Vice President	20	225.00	4,500.00
Work with the Council staff, attorneys and bond counsel to maintain an effective and legally compliant debt program.	Principal	30	275.00	8,250.00
	Asst. Vice President	20	225.00	4,500.00
Provide technical advice as requested by the Council, orally or in written form, concerning miscellaneous issues and questions.	Principal	75	275.00	20,625.00
	Asst. Vice President	50	225.00	11,250.00
Review of investment of bond proceeds and sales tax collections.				see below
Total Hours				486.00
Average Hourly Fee				255.04
Proposed Blended Fee for 200 Hour Maximum				245.00
Fee for initial 200 hours at \$245.00				49,000.00
Remaining 286 hours at \$255.04				72,941.44
Total fee for Identified Scope of Services				121,941.44

Investment Advisory Services

Base: One-time review and report of the Council's current investment of bond proceeds	Principal	6	275.00	1,650.00
	Asst. Vice President	3	225.00	675.00
Alt. 1: Annual fee for monthly reporting only			\$1,000 x 24 months	24,000.00
Alt. 2: Annual fee for Investment Advisory Services (includes monthly reporting)			\$2,000 x 24 Months	48,000.00

Post-Issuance Compliance Services

Initial munivault® setup fee for Series 2010ABC Bonds	\$2,500 x 3 bond series	7,500.00
Setup fee for new bond issue	\$2,500 x 1 bond series	2,500.00
Annual fee for four series of bonds	\$650 x 4 series x 2 years	5,200.00

Reimbursable Expenses (per year)

Travel (estimate)	1,200.00
Lodging (estimate)	800.00
Meals (estimate)	250.00
Total reimbursable expenses (estimate)	2,250.00

Fee and Cost Proposal Summary

Hourly / Upfront Fees	
Financial Advisory Scope of Services	121,941.44
Investment Advisory (Base)	2,325.00
Post-Issuance Compliance (munivault®)	10,000.00
Total	134,266.44
Not to Exceed (Assumes Base Inv. Advisory Services)	146,500.00

Annual Fees	
Investment Advisory (Alt 2)	48,000.00
Post-Issuance Compliance (munivault®)	5,200.00
Total	53,200.00
Not to Exceed	53,200.00

Reimbursable Expenses	4,500.00
Not to Exceed	6,000.00

Other Consulting Work

For work outside the scope of this proposal:	\$275 / hour
Not to Exceed	15,000.00



Memo to: Board of Directors
From: Chuck Etwert
Subject: Authorization for Work Order No. 2 ABNA Engineering, Inc. for Quality Control and Materials Testing Services
Date: February 14, 2014

At the July meeting the Board selected ABNA Engineering, Inc. to perform quality control and materials testing for Bid Packages #3 and #6.

The Master Services Agreement approved in August describes the contractual terms and conditions, and a series of Work Orders that will be executed to accompany each bid package. Work Order No. 1 for Bid Package #6 was executed in August. With the impending Notice to Proceed of Bid Package #3, we need to execute Work Order No. 2 with ABNA for Bid Package #3. ABNA will be providing quality control and material testing, complementing the Construction Inspection and Quality Assurance Services being performed by AMEC as part of their construction management contract with the Council.

A detailed scope of work and cost estimate for Construction Quality Control Services for Bid Package #3 is shown as an attachment to this memo. The cost associated with this scope of work is an hourly, Not to Exceed dollar amount of \$182,200 which includes \$29,440 for laboratory testing and \$20,000 for survey staking.

The \$182,200 cost is approximately 1.81% as related to the contractor bid of \$10,082,345.00 for Bid Package #3.

Recommendation: Authorize the Chief Supervisor to execute Work Order No. 2 with ABNA Engineering for Construction Quality Control Services for Bid Package #3 at a cost not to exceed \$182,200 (inclusive of direct expenses).

WORK ORDER NO: 2

CONSTRUCTION QUALITY CONTROL SERVICES

Issued Pursuant to Master Services Agreement Effective _____

By and Between

ABNA Engineering, Inc. (ABNA)

And

Southwestern Illinois Flood Prevention District Council (CLIENT)

CLIENT Office:	<u>104 United Drive</u> <u>Collinsville, IL 62234</u>	ABNA Project No:	_____
CLIENT Contact:	<u>Les Sterman</u>	Work Order Type: (Check One)	
ABNA Office:	<u>4140 Lindell Blvd.</u> <u>St. Louis, MO 63108</u>	Time and Materials (rates attached)	<u>X</u>
		Fixed Price	_____
AMEC Contact:	<u>Charles E. ABNA</u>	CLIENT Reference No:	<u>n/a</u>

1. SCOPE OF WORK: See Attachment A
2. LOCATION/CLIENT FACILITY INVOLVED: Bid Package 3
3. PERIOD OF PERFORMANCE: December 19, 2013 through December 31, 2014
4. AUTHORIZED FUNDING: \$182,200.00
5. SPECIAL PROVISIONS: N/A

**Southwestern
Illinois Flood Prevention District Council**

ABNA Associates, Inc.

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

By: _____
Name: Abe Adewale, PE
Title: Principal

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

Date: _____
Address: 4140 Lindell Blvd.
St. Louis, MO 63108



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

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

December 9, 2013

Mr. Les Sterman
Southwestern Illinois Flood Prevention District Council
104 United Drive
Collinsville, Illinois 62234

RE: Proposal for Quality Control Inspection, Materials Sampling and Testing Services
Seepage Improvements Wood River – Project No. 563170001 Bid Package 03

Dear Mr. Sterman:

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

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

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

Based on the attached proposed scope of work and contractor schedule assumptions our estimated fee for survey staking is **\$20,000.00**, on-site soil inspection and testing support at **\$132,760.00**, and for the Laboratory Testing support is estimated at **\$29,440.00**. The fee for work above the quantities listed in the attached scope of work (Attachment A, Items No. 1 and 2) will be based on the actual quantities and upon the unit price basis in accordance with the attached Schedule of Services and Fees (Attachment B).

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

Sincerely,

Abe Adewale, PE
Principal



“ATTACHMENT A”
SCOPE OF CONSULTANT SERVICES FOR
MATERIAL TESTING/INSPECTION, QUALITY CONTROL, AND LABORATORY TESTING
FOR
Southwestern Illinois Flood Protection District Council
Seepage Improvements Wood River

1.0 Field Material Sampling / Testing

A Senior Engineering Technician will conduct sub-grade inspection which will include documenting removal of unsuitable material, inspecting and testing each placed lift. Lift material will be classified and samples collected and transported to ABNA’s Laboratory for soil classification, atterberg limit determination, gradations, proctor tests, and other various laboratory testing as required. Lift material will be tested for compacted density using a nuclear moisture density gauge and evaluated against the proctor test results to ensure the placed lift compaction achieves the specified requirements. The Inspector/Technician will prepare a report that states whether the inspected and tested work complies with the specifications. **Inspections and tests include up to 1,600 hours of site work, and sampling of various materials for the return to the laboratory, including report preparation, and review at an estimated price of \$132,760.00.**

2.0 Laboratory Testing

An Engineering laboratory technician will perform all requested laboratory soil testing including up to the following:

*an estimated 34 soil classifications each for Seepage Berm and Random Fill (included with grain size analysis, and plasticity index),

*34 grain size analysis’ (AASHTO T88) at \$170.00 each,

*34 plasticity index determinations (ASTM D4318) at \$85.00 each,

*16 moisture/density relationships (ASTM D1557) with plasticity index determinations (ASTM D4318) at \$300.00 each,

The engineering laboratory technician will prepare the various reports that state whether the tested work complies with the specifications. **The Laboratory testing includes the above mentioned, including report preparation, and review at an estimated price of \$29,440.00.**

3.0 Survey

A survey crew will set approximately 460 levee centerline stakes at 100 foot intervals within the areas of proposed construction. The stakes will be offset from the actual levee centerline to avoid being disturbed during construction. Each location will consist of a hub with an accompanying lathe that describes the actual staked position. **The cost for survey staking including materials is at an estimated price of \$20,000.00.**

“ATTACHMENT B”
**2013 Schedule of Fees for Material Quality Control, Testing,
 Inspection, and Laboratory Testing Services**

CATEGORY/ITEM	UNIT	UNIT COST
Engineering Services		
<i>Engineering technician to perform:</i> Subgrade observations In-place density tests on compacted fill material Field test of concrete and casting of sample specimens In-place density tests of Bituminous Concrete Concrete batch plant observations Sample collection and transportation to lab Asphalt plant visual inspections and sampling	Per Hour	\$ 55.00
Nuclear Density/Moisture Equipment	Per Day	\$ 25.00
Transportation Charge to Plant and Project Site	Per Mile	\$.65
Project Engineer/Project Manager	Per Hour	\$ 100.00
Quality Construction Engineer / SWPPP Insp	Per Hour	\$ 75.00
Senior Field Technician	Per Hour	\$ 65.00
Field Technician Supervisor	Per Hour	\$ 80.00
Engineering review for reports involving engineered fills, foundation observation, subgrade eval., land disturbance inspections. And other non-standard reports	Per Hour	\$ 100.00
Coring Machine Operator	Per Hour	\$ 55.00
Core Equipment Service Charge	Per Day	\$ 85.00
Core Barrel Charge		
Asphalt Core (8 inch max. thickness)		\$ 35.00
Concrete Core (8 inch max. thickness)		\$ 40.00
Quality Control Manager	Per Hour	\$ 100.00
Structural Engineer	Per Hour	\$180.00

Laboratory Testing Services	UNIT	UNIT COST
Laboratory compression testing of concrete cylinders in accordance with ASTM Procedures.		
Testing and reporting	Each	\$ 25.00
Reserves not tested, including curing	Each	\$ 20.00
Trimming of irregular client cast cylinders to meet ASTM requirements (only if required)	Each	\$ 30.00
Concrete Length Change Monitoring and Reporting	Set of 3	\$350.00
Flexural Beams	Each	\$ 42.00
Splitting Tensile Strength of Concrete	Each	\$ 60.00
Absorption of Hardened Concrete (Immersion only)	Each	\$ 75.00
Absorption of Hardened Concrete (Immersion & Boiling)	Each	\$100.00
Grout Prism Compressive Strength	Each	\$ 30.00
Mortar Cube Compressive Strength	Each	\$ 26.00
<i>Moisture density relationship:</i>		
ASTM D698 (Standard)	Each	\$180.00
ASTM D1557 (Modified)	Each	\$205.00
ASTM D4253 and D4254 (Relative) density	Each	\$168.00
<i>ASTM D4318 Atterberg limits determination</i>	Each	\$ 85.00
Laboratory Density Determination Testing Using the Sand Cone Method	Per Sand Cone	\$ 55.00
<i>ASTM D5084 Perm Test – Flexible Wall</i>	Each	\$350.00
<i>-Perm Test – Additional Charge for Tests extending beyond 7 Calendar Days (including saturation time)</i>	Per Day	\$ 45.00
<i>Sieve Analysis:</i>		
Unwashed	Each	\$145.00
Washed	Each	\$170.00
Specific Gravity / Absorption of Fine Aggregate	Each	\$ 65.00

Specific Gravity / Absorption of Course Aggregate	Each	\$ 60.00
Organic Impurities Determination of Fine Aggregate	Each	\$ 60.00
Bulk Density ("Unit Weight") of Aggregate	Each	\$ 50.00
Moisture Determination of Aggregate	Each	\$ 10.00
<i>Floor Flatness and Levelness :</i>		
Including report	Up to 5,000 ft ²	\$400.00
Each additional 1,000 ft ²	Each	\$110.00
For testing after 5:00 p.m. and before 7:00 a.m.	Each	\$130.00
<i>ASTM F1869 Moisture Vapor Emission Rate</i>	Each	\$ 60.00
<i>Asphaltic concrete:</i>		
Extraction and gradation	Each	\$210.00
Marshall Density (set of 3)	Per Set	\$205.00
Bulk specific gravity of asphalt cores	Each	\$ 45.00
Thickness determination of asphalt / concrete cores	Each	\$ 25.00
<i>Sample Transportation Charge to Lab:</i>	Per Mile	\$.65
NON DESTRUCTIVE TESTING	UNIT	UNIT COST
Visual welding inspection (AWS, CWI)	Per Hour	\$ 85.00
Magnetic particle & dye penetrant inspection	Per Hour	\$ 85.00
Ultrasonic inspection	Per Hour	\$120.00
Ultrasonic equipment	Per Shift	\$ 45.00
Dye Penetrant Materials	Per Can	\$ 20.00
Magnetic Particle Equipment & Flux Materials	Per Day	\$ 40.00
Radiography equipment	Per Shift	\$ 70.00
Visual and CWI Materials	Each	\$ 20.00
Data Scan Unit (Reinforcement Locator)	Per Shift	\$ 60.00
Rebound (Swiss or Schmidt) Hammer	Per Shift	\$ 45.00

Paint thickness gage	Per Shift	\$ 25.00
32'- 0" Vertical Extension Bucket Truck	Per Day	\$250.00
SPRAYED FIRE-RESISTIVE MATERIAL	UNIT	UNIT COST
Thickness Measurements	Per Hour	\$ 65.00
Density Determination	Per Hour	\$ 75.00
SURVEY	UNIT	UNIT COST
Survey Crew (2 person)	Per Hour	\$165.00

Remarks:

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

A minimum of three hours will be charged for services performed on Monday through Saturday. A minimum of eight hours will be charged for work performed on Sundays and holidays. Second and third shifts will have an additional surcharge of \$2.00/hr for second shift and \$3.00/hr on third shifts. Hourly field inspection/sampling/testing rates are calculated on a portal to portal basis.

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

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

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

- Double for Seepage and Random Fill



Memo to: Board of Directors

From: Chuck Etwert

Subject: Authorization for Work Orders No. 2, 3 & 4 Juneau Associates, Inc. for Quality Control and Materials Testing Services

Date: February 14, 2014

At the July meeting the Board selected Juneau Associates, Inc. to perform quality control and materials testing for Bid Packages #2A, #2B, #4 and #5.

The Master Services Agreement approved in August describes the contractual terms and conditions, and a series of Work Orders that will be executed to accompany each bid package. Work Order No. 1 for Bid Package #2A was executed in August. With the issuance of Notice to Proceed on Bid Package #2B and the impending Notices to Proceed on Bid Packages #4 & #5, we need to execute Work Orders No. 2, 3, & 4 with Juneau Associates, Inc. for Bid Packages #2B, #4, and #5. Juneau Associates, Inc. will be providing quality control and material testing, complementing the Construction Inspection and Quality Assurance Services being performed by AMEC as part of their construction management contract with the Council.

A detailed scope of work and cost estimate for Construction Quality Control Services for Bid Packages #2B, #4, and #5 are shown as attachments to this memo. The cost associated with this scope of work is an hourly, Not to Exceed dollar amount of \$138,000 for Work Order #2 for Bid Package #2B, \$142,000 for Work Order #3 for Bid Package #4, and \$301,000 for Work Order # 4 for Bid Package #5.

The \$138,000 cost is approximately 3.57% as related to the contractor bid of \$3,865,405 for Bid Package #2B. The \$142,000 cost is approximately 4.45% as related to the contractor bid of \$3,190,232.45 for Bid Package #4. The \$301,000 cost is approximately 3.64% as related to the contractor bid of \$8,256,481.84 for Bid Package #5.

Recommendation: Authorize the Chief Supervisor to execute Work Orders No. 2, 3, & 4 with Juneau Associates, Inc. for Construction Quality Control Services for Bid Package #2B at a cost not to exceed \$138,000 (inclusive of direct expenses), for Bid Package #4 at a cost not to exceed \$142,000 (inclusive of direct expenses), and for Bid Package #5 at a cost not to exceed \$301,000 (inclusive of direct expenses).

EXHIBIT 1

WORK ORDER NO: 2

Construction QA/QC SERVICES

Issued Pursuant to Master Services Agreement Effective October 9, 2013

By and Between

Juneau Associates, Inc. (JUNEAU)

and

Southwestern Illinois Flood Prevention District Council (the COUNCIL)

COUNCIL Office:	<u>104 United Drive</u> <u>Collinsville, Illinois 62234</u>	JUNEAU Project No:	<u>E-135503</u>
COUNCIL Contact:	<u>Chuck Etwert</u>	Work Order Type: (Check One)	
JUNEAU Office:	<u>2100 State Street</u> <u>P.O. Box 1325</u> <u>Granite City, Illinois 62040</u>	Time and Materials (rates attached)	<u>x</u>
		See Attachment C & D	
		Fixed Price	
JUNEAU Contact:	<u>Charles E. Juneau</u>	the COUNCIL Reference No:	<u>n/a</u>

1. SCOPE OF WORK: See Attachment A and B

2. LOCATION/ COUNCIL FACILITY INVOLVED: Bid Package 2B

3. PERIOD OF PERFORMANCE: January 15, 2014 through July 1, 2014 (130 working days)

4. AUTHORIZED FUNDING: \$138,000.00

5. SPECIAL PROVISIONS: N/A

**Southwestern
Illinois Flood Prevention District Council**

Juneau Associates, Inc.

By: _____

By:  _____

Name: Chuck Etwert

Name: Charles E. Juneau

Title: Chief Supervisor of Construction and
the Works

Title: President

Date: _____

Date: 2/4/2014

Address: 104 United Drive
Collinsville, IL 62234

Address: 2100 State Street, P.O. Box 1325
Granite City, Illinois 62040

Scope of Work
Construction QA/QC Services
Work Order #2

Juneau Project No. E-135503

1. Services to be provided by Juneau Associates, Inc., P.C. for construction quality assurance and quality control during construction of Bid Package 2B to include the following:
 - A. SCI Engineering, Inc. (Sub-Consultant) to provide on-site laboratory material testing services as described in **Attachment B** Subconsultant Agreement.
 - B. Juneau Associates, Inc., P.C. (Prime Consultant) to provide project coordination and attend meetings relating to project construction engineering services performed by Sub-Consultant.

SUMMARY OF FEE ESTIMATE

SCI Engineering, Inc. (Sub-Consultant) Material Testing	\$116,460.50
Juneau Associates (Prime Consultant) markup 10%	11,646.05
Juneau Associates project meetings and coordination services	<u>9,300.00</u>
Total	\$137,406.55
Rounded	\$138,000.00



February 3, 2014

Mr. Charles E. Juneau
Juneau Associates, Inc., P.C.
100 North Research Drive
Edwardsville, Illinois 62025

RE: Proposal for Quality Control Testing Services for Bid Package 2B
Southwestern Illinois Flood Prevention District
Madison County, Illinois
SCI No. 2013-3122.0B

Dear Mr. Juneau:

SCI Engineering, Inc. (SCI) is pleased to present our proposal to provide on-site and Laboratory Construction and Material Testing Services for the levee improvements located in Wood River, MESD and Prairie du Pont including the construction of five pump stations for Bid Package 2B. Based on meetings with representatives of AMEC and our review of the plans and specifications for frequency and type of test required for compliance, we understand our scope of services will include the following:

- Compaction testing of soil subgrade and aggregate base for pavement and slabs, as well as thickness checks of base materials.
- Asphaltic concrete testing including thickness and compaction testing during paving.
- Observation of placing controlled Earth Fill and Backfill along with compaction testing to verify material's maximum dry density.
- Laboratory testing on topsoil and back fill material.
- Compaction testing will be verified by both nuclear density and Sand Cone Method. We assumed 100 days for compaction testing.
- Observation of foundation bearing materials and reinforcing steel placement in the proposed pour area prior to concrete placement. We assumed 30 days for placement.
- Concrete testing to include slump, air, and temperature; and casting, curing and testing of compression test specimens. We assumed 200 cylinders for testing.

We will provide qualified technicians to observe, test, and document the construction activities within the referenced scope. We will report to and coordinate our services with your designated site representative. Our observations will be reported daily in writing to the site superintendent. Formal, typewritten weekly

summary reports can be provided if needed. We recommend issuing these reports on a weekly basis. SCI can also perform other services, if needed. Our services will be invoiced on a time and material basis in accordance with the enclosed *Rate Schedule* and *Price List*.

We recommend establishing a budget of **\$116,500.00** to provide QC materials testing services. After a review of projects plans and specifications provided by AMEC, along with the contractor's progress work schedule, we made necessary assumptions in order to develop this budget estimate. This budget is based on 130 working days in which SCI provides the necessary number of technicians to observe and test the contractor operations. Variables that will influence our costs include the contractor's production rate, the weather, and site conditions. We will contact you if it appears that this scope requires modification.

Table 1 – Fee Estimate

Task	Assumption	Fees (\$)
Project Management		5,300.00
Laboratory Testing		2,970.00
Compaction Testing	100 days	70,000.00
Concrete Testing	30 days	23,000.00
SUB TOTAL		101,270.00
Contingency	15 percent	15,190.50
TOTAL		\$116,460.50

The General Terms and Conditions applicable to this Sub-Consultant Agreement are the same as included in the Prime Agreement known as "MASTER SERVICES AGREEMENT for Quality Control and Material Testing Services between Southwestern Illinois Flood Prevention District Council and Juneau Associates Inc., P.C."

You can reach me at (618) 206-3037 or rmauch@sciengineering.com if you have any questions.

Respectfully,

SCI ENGINEERING, INC.



Richard C. Mauch, P.E.
Senior Engineer



Mark A. Harms, P.E.
President

Enclosures

Rate Schedule, Price List
Acceptance of Proposal for Professional Services



RATE SCHEDULE

June 27, 2013

Officers

President.....	\$161.00/hour
Vice President.....	143.00/hour
Branch Manager.....	85.00/hour

Engineering and Testing Personnel

Chief Engineer.....	\$131.00/hour
Senior Engineer/Geologist.....	120.00/hour
Project Engineer.....	102.00/hour
Special Inspection Manager.....	95.00/hour
Laboratory Manager.....	89.00/hour
Staff Engineer.....	89.00/hour
Senior Field Manager.....	79.00/hour
Special Inspector (Steel/SFRM).....	80.00/hour
Field Manager.....	65.00/hour
Special Inspector (Concrete/Masonry).....	59.00/hour
State Certified Technician.....	52.00 to 58.00/hour
Technician.....	52.00/hour

Office Support

Clerical.....	46.00/hour
---------------	------------

Expenses

Vehicle mileage.....	\$0.65/mile
Transportation, subsistence, lodging, subcontractors, special consultants, etc.....	Cost + 15%

Overtime/Night-Time Differential

Overtime is time in excess of 8 hours per day or work performed on Saturdays, Sundays, or Holidays. Overtime for non-engineering positions will be billed at 1½ times our regular hourly rates. A 10% premium will be charged for all labor performed during a night-time shift.

Expert Testimony

Expert witness testimony for deposition, arbitration, mediation and trial proceedings will be billed at 1½ times the applicable hourly rate.

Field and Lab Services

We prefer a 24-hour notice to schedule field services but will always try to work within the time constraints provided. Coordination and report review will be invoiced at engineering rates. A minimum charge of 3 hours per site visit will apply for all field services.



PRICE LIST

September 28, 2010

I. SOIL TESTING

LABORATORY TESTS

	ASTM/AASHTO	Unit	Price
1. Compaction Control			
a. Moisture-Density Relationship			
i. Standard Proctor	D698/T99	Ea	227.00
ii. Modified Proctor	D1557/T180	Ea	256.00
iii. Aggregate Samples		Add	48.00
b. California Bearing Ratio (CBR) (moisture-density relationship additional)	D1883/T193		
i. Single-Point (unsoaked)		Ea	155.00
ii. Single-Point (soaked)		Ea	166.00
c. Relative Density - Minimum and maximum density	D4253/4254	Ea	317.00
2. Material Characterization			
a. Visual Description	D2488/M145	Ea	7.00
b. Atterberg Limits - Method A or B	D4318/T89.90	Ea	75.00
Liqud Limit Only		Ea	47.00
c. Unit Weight Determination	D2937	Ea	33.00
d. Grain Size Analysis			
i. Sieve Analysis (includes percent finer than No. 200)	D422/T88	Ea	76.00
ii. Sieve Analysis with Hydrometer		Ea	149.00
iii. Percent finer than No. 200 (washed)	D1140/	Ea	47.00
e. Specific Gravity	D854/T100	Ea	143.00
f. Moisture Content	D2216/T265	Ea	7.00
g. Organic Content	D2974/	Ea	29.00
h. Wet Organic Content	T194	Ea	137.00
i. pH	D4972	Ea	29.00
j. pH	G51	Ea	19.00
k. Resistivity	G57	Ea	77.00
3. Strength and Behavioral Properties			
a. One Dimensional Consolidation Test	D2435		
i. Includes laboratory e-log, p-curve, square root of time method		Ea	375.00
ii. Time Curves		Add	100.00
iii. Log-Time Method		Add	150.00
b. Swell Pressure or Free Swell		Ea	155.00
c. Unconfined Compression Test	D2166/T208		
i. Undisturbed Samples (includes dry density)		Ea	75.00
ii. Remolded Samples		Ea	134.00
iii. Using Rimac on ss samples		Ea	7.00
d. Triaxial Strength Testing			
i. Unconsolidated, Undrained (UU) (Q)	D2850/T296	Pt	99.00
ii. Consolidated, Undrained (CU) (R)	D4767/T297		
a. Per Point		Ea	316.00
b. Additional Multi-Stage Points		Ea	95.00
e. Direct Shear - Consolidated, Drained	D3080		Upon Request
f. Permeability Tests			
i. Triaxial Flexible Wall	D5084	Ea	350.00
ii. Rigid Wall for Granular Soils	D2434	Ea	286.00
g. Rock Core			
i. Description/photo		Box	32.00
ii. Unconfined Compression Test		Ea	79.00

4. Chemical Tests

i. Total Sulfates.....	Ea	16.00
ii. Chlorides.....	Ea	16.00

FIELD SERVICES

1. Compaction Control	Hr	52.00
2. Nuclear Density Equipment.....	D2922/T130 Day	49.00
3. Sand Cone Equipment.....	D1556/T191 Day	18.00
4. Drive Tube Equipment.....	D2937 Day	18.00
5. Settlement Plates	Ea	209.00
6. Handheld GPS Unit	Day	100.00
7. Giddings Probe Truck	Day	250.00

II. CONCRETE

LABORATORY SERVICES

1. Compressive Strength			
a. Cylinders – 6”x12”, 4”x8”, 3”x6”.....	C39	Ea	16.00
b. Cured Cylinder, not tested.....		Ea	16.00
c. 2” x 4” Cylinder.....	C780	Ea	16.00
d. 2” x 2” Cube	C109	Ea	16.00
e. Drilled Cores (including sawcutting one end).....	C42	Ea	46.00
f. Chloride Ion	C1218	Ea	63.00
g. Sawcut Cylinders (If ends are not in compliance with ASTM standards).		Ea	20.00
2. 4” x 4” x 8” Grout Prism.....		Ea	28.00
3. Masonry Prism (two course prepared by contractor).....		Ea	65.00
4. Cylinder Molds		Ea	2.00
5. Flexural Strength - 6” x 6” x 21” or 24” beam.....	C78	Ea	46.00
6. Beam Mold Rental (when cast by others).....		Day	20.00
7. Shrinkage/Length Change of Hardened Concrete.....	C157/C490	Ea	42.00
8. Mix Design/Verification (does not include aggregate tests)			
a. Determination of Proportions.....	(ACI 211)	Ea	148.00
b. Trial Mix Verification (1-point, includes 6 cylinders).....	C192	Ea	473.00
c. Trial Mix (includes 3-point w/c ratio relationship & 18 cylinders).....		Ea	1,282.00
9. Masonry Mortar Mix Test.....		Ea	328.00
10. Aggregate Characteristics			
a. Sieve Analysis.....	C136	Ea	65.00
b. Washed Sieve Analysis (includes percent finer than No. 200).....		Ea	83.00
c. Washed Sieve Analysis (percent finer than No. 200 only)	C117	Ea	47.00
d. Unit Weight and Voids in Aggregate	C29	Ea	60.00
e. Specific Gravity and Absorption of Coarse Aggregate	C127	Ea	79.00
f. Specific Gravity and Absorption of Fine Aggregate	C128	Ea	79.00
g. Clay Lumps and Friable Particles in Aggregate	C142	Ea	65.00
h. Surface Moisture in Fine Aggregate	C70	Ea	25.00
i. Soundness (sodium sulfate).....	C88	Ea	328.00
j. Resistance to Abrasion	C131	Ea	328.00
k. Lightweight Particle.....	C123	Ea	60.00
11. On-Site Laboratory (QA/QC).....			Upon Request
12. Concrete Core Thickness	C174	Ea	17.00

FIELD SERVICES

1. Quality Control (includes determination of slump and air content, making cylinders and retrieval).....			
a. Field Testing	C31	Hr	52.00
b. IDOT QA/QC Level I Testing.....		Hr	56.00
c. IDOT QA/QC Level II Testing.....		Hr	59.00
d. IDOT QA/QC Level III Testing.....		Hr	61.00
2. Concrete Batch Plant Inspection by Registered Professional Engineer (according to NRMCA guidelines).....		Ea	655.00

IN-PLACE TESTING

1.	Rebound Hammer Tests		Hr	77.00
2.	Windsor Probe Penetration Tests			
a.	Field Testing		Hr	77.00
b.	Equipment Rental.....		Day	46.00
c.	Probes (set of three).....		Ea	43.00
3.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew).....		Hr	105.00
b.	Bit Wear		Inch	5.00
c.	Equipment Rental		Day	98.00
4.	Floor Flatness	E1155		
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	148.00
5.	Vapor Emission Test	F1869		
a.	Field Testing		Ea	60.00
a.	Field Testing		Hr	79.00
6.	Reinforcing Steel Verification by R-Meter.....			
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	39.00
c.	Transportation.....		Mile	0.65

III. ASPHALTIC CONCRETE

LABORATORY SERVICES

1.	Marshall Stability and Flow Test with Density Determination.....	D6926, 6927	Ea	298.00
a.	Marshall Density (set of three).....		Ea	65.00
2.	Bitumen Content	D2172, D6307		
a.	Without gradation.....		Ea	190.00
b.	With gradation.....		Ea	238.00
3.	Hot Bin Sieve Analysis	C136/T27	Ea	55.00
4.	Bulk Specific Gravity (AASHTO T166)	D2726/T166	Ea	37.00
5.	Core Density (minimum of 3).....		Ea	37.00
6.	Percent Air Voids	D3203	Ea	37.00
7.	Maximum Theoretical Specific Gravity	D2041	Ea	71.00
8.	Marshall Mix Design (The Asphalt Institute MS-2)			
a.	Three-points		Ea	953.00
b.	Five-points		Ea	1,430.00
9.	On-Site Laboratory (QA/QC).....			Upon Request
10.	Asphalt Core Thickness	D3549	Ea	17.00
11.	Sand Equivalency	D2419	Ea	63.00

FIELD SERVICES

1.	Commercial Placement Observation (includes determining maximum density of field mix, monitoring density, estimating thickness, and recording temperature)			
a.	Field Testing.....		Hr	52.00
b.	IDOT QA/QC Level I Testing		Hr	55.00
c.	IDOT QA/QC Level II Testing		Hr	57.00
d.	IDOT QA/QC Level III Testing.....		Hr	61.00
e.	Equipment Rental.....		Day	49.00
2.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew).....		Hr	105.00
b.	Bit Wear		Inch	4.00
c.	Equipment Rental		Day	98.00
3.	Asphalt Plant Monitoring (includes cold feed and hot bin analysis).....		Ea	453.00

IV. SPECIAL INSPECTIONS

1.	Structural Steel Observations (includes visual weld inspection, bolt torque determination)			
a.	Field Inspection.....	AWS D1.1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
2.	Nondestructive Testing			
	Ultrasonic Inspection			
a.	Field Testing.....	AWS D1 1	Hr	89.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
3.	Magnetic Particle Inspection			
a.	Field Testing.....	E1444/E709	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	29.00
4.	Dye Penetrant Inspection			
a.	Field Testing.....	E165	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	23.00
5.	Radiographic Inspection (Two-man crew).....			Upon Request
6.	Welding Operator Qualifications And Inspection (includes welder performance verification and guided bend test)			
a.	Field Verification.....	AWS D1 1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Guided Bend Test (Excludes Machining).....		Coupon	37.00
7.	Sprayed Fire-Resistive Material (includes thickness measurements, density determinations, cohesion/adhesion testing)			
	Thickness Measurements			
a.	Field Testing.....	E605/E736	Hr	80.00
b.	Laboratory.....		Hr	80.00
c.	Transportation.....		Mile	0.65
8.	Reinforced Concrete observation (includes reinforcing steel placement and concrete placement observation, inspection of embedded plates and bolts)			
a.	Field Inspection.....	IBC/ACI318	Hr	59.00
b.	Transportation.....		Mile	0.65
9.	Structural Masonry Observation (includes CMU placement observation, reinforcing steel placement observation, grout placement observation and material sampling)			
a.	Field Inspection.....	IBC/ACI530	Hr	59.00
b.	Transportation.....		Mile	0.65
10.	Adhesion testing of epoxied items into concrete and masonry (includes pullout testing of epoxied anchor bolts and reinforcing steel)			
a.	Field Testing.....	IBC	Hr	59.00
b.	Testing Equipment.....		Day	79.00
c.	Transportation.....		Mile	0.65

V. GENERAL INFORMATION

Listed prices may be discounted for projects requiring large quantities of tests or man-hours. Please contact us for quotations on individual projects.

Field services are subject to transportation charges at \$0.65 per mile and portal-to-portal travel time at the specified hourly rate. A minimum charge of 3 hours per site visit will apply for all field services.

Some laboratory test samples may require preparation prior to testing (e.g., lime-treatment, compacted permeability, etc.). This sample preparation time will be invoiced in accordance with our Rate Schedule.

Laboratory tests include preparation of brief report summary and transmittal. Results of field tests and observations will be presented in letter reports with preparation costs invoiced in accordance with our Rate Schedule. Report forms can be produced for specific projects. Please contact our office to discuss project requirements for submittals.

CURRENT SCHEDULE OF HOURLY RATES

Professional VIII	168.00
Professional VII	146.00
Professional VI	136.00
Professional V	125.00
Professional IV	110.00
Professional III	104.00
Professional II	95.00
Professional I	81.00
Technician V	91.00
Technician IV	79.00
Technician III	70.00
Technician II	60.00
Technician I	50.00
Aide	35.00
Clerical	50.00

* Our most common survey crew consists of one (1) Technician IV and one (1) Technician II. The Licensed Professional Surveyor is classified as a Professional VI.

If the assignment requires payment of premium for overtime hours, these rates will be increased by 50% for those overtime hours.

REIMBURSABLE EXPENSES

Beam Breaks	\$ 8.00 each	Paint	5.00 each
Computer/CADD	10.00/hr.	Personal Vehicle-Mileage	0.56/mi.
Computer/Word Proc.	5.00/hr.	Photocopies, black & white	0.15 each
Concrete Monuments	17.00 each	Photocopies, color, 8 ½ x 11	0.75 each
Company Vehicle	10.00/hr.	Photocopies, color, 8 ½ x 14	1.00 each
Fence Posts	7.00 each	Photocopies, color, 11 x 17	1.50 each
Gator	10.00/hr.	Photocopy Prints	0.30/s.f.
Misc. Costs & Rental Fees	Actual Cost	Postage	Actual Cost
Mylar	4.00/s.f.	Rebar	3.00 each
Outside Services	Actual + 10%	Surveying Instrument	8.00/hr.
Per Diem (Per day per man)	\$125.00	Wood Stakes	0.75 each

Non-salary costs of authorized travel per diem outside the St. Louis metropolitan area, fees associated with permits, the recording of documents, "express mail" and other direct expenses of items requested by the Client will be billed at cost.

This schedule is subject to reasonable change without prior notice. In any event, this schedule will expire and be superseded by a new schedule annually.

Revised 8/16/12

EXHIBIT 1
WORK ORDER NO: 3

Construction QA/QC SERVICES

Issued Pursuant to Master Services Agreement Effective **October 9, 2013**

By and Between

Juneau Associates, Inc. (JUNEAU)

and

Southwestern Illinois Flood Prevention District Council (the COUNCIL)

COUNCIL Office:	<u>104 United Drive</u> <u>Collinsville, Illinois 62234</u>	JUNEAU Project No:	<u>E-135504</u>
COUNCIL Contact:	<u>Chuck Etwert</u>	Work Order Type: (Check One)	
JUNEAU Office:	<u>2100 State Street</u> <u>P.O. Box 1325</u> <u>Granite City, Illinois 62040</u>	Time and Materials (rates attached)	<u>x</u>
		See Attachment C & D	
		Fixed Price	
JUNEAU Contact:	<u>Charles E. Juneau</u>	the COUNCIL Reference No:	<u>n/a</u>

1. SCOPE OF WORK: See Attachment A and B

2. LOCATION/ COUNCIL FACILITY INVOLVED: Bid Package 4

3. PERIOD OF PERFORMANCE: February 15, 2014 through September 1, 2014 (100 working days)


4. AUTHORIZED FUNDING: \$142,000.00

5. SPECIAL PROVISIONS: N/A

**Southwestern
Illinois Flood Prevention District Council**

Juneau Associates, Inc.

By: _____
Name: Chuck Etwert
Title: Chief Supervisor of Construction and
the Works
Date: _____
Address: 104 United Drive
Collinsville, IL 62234

By: 
Name: Charles E. Juneau
Title: President
Date: 2/4/2014
Address: 2100 State Street, P.O. Box 1325
Granite City, Illinois 62040

Scope of Work
Construction QA/QC Services
Work Order #3

Juneau Project No. E-135504

1. Services to be provided by Juneau Associates, Inc., P.C. for construction quality assurance and quality control during construction of Bid Package 4 to include the following:
 - A. SCI Engineering, Inc. (Sub-Consultant) to provide on-site laboratory material testing services as described in **Attachment B** Subconsultant Agreement.
 - B. Juneau Associates, Inc., P.C. (Prime Consultant) to provide project coordination and attend meetings relating to project construction engineering services performed by Sub-Consultant.

SUMMARY OF FEE ESTIMATE

SCI Engineering, Inc. (Sub-Consultant) Material Testing	\$119,830.00
Juneau Associates (Prime Consultant) markup 10%	11,983.00
Juneau Associates project meetings and coordination services	<u>9,600.00</u>
Total	\$141,413.00
	Rounded \$142,000.00



Attachment B
SCI ENGINEERING, INC.

CONSULTANTS IN DEVELOPMENT,
DESIGN AND CONSTRUCTION
GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

February 3, 2014

Mr. Charles E. Juneau
Juneau Associates, Inc., P.C.
100 North Research Drive
Edwardsville, Illinois 62025

RE: Proposal for Quality Control Testing Services for Bid Package 4
Southwestern Illinois Flood Prevention District
Madison County, Illinois
SCI No. 2013-3122.0C

Dear Mr. Juneau:

SCI Engineering, Inc. (SCI) is pleased to present our proposal to provide on-site and Laboratory Construction and Material Testing Services for the construction of relief wells, pipe conveyance system, clay caps and related levee system improvements in the Metro-East Sanitary District for Bid Package 4. Based on meetings with representatives of AMEC and our review of the plans and specifications for frequency and type of test required for compliance, we understand our scope of services will include the following:

- Compaction testing of soil subgrade and aggregate base for pavement and slabs, as well as thickness checks of base materials.
- Asphaltic concrete testing including thickness and compaction testing during paving.
- Observation of placing controlled Earth Fill and Backfill along with compaction testing to verify material's maximum dry density.
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We will provide qualified technicians to observe, test, and document the construction activities within the referenced scope. We will report to and coordinate our services with your designated site representative. Our observations will be reported daily in writing to the site superintendent. Formal, typewritten weekly

summary reports can be provided if needed. We recommend issuing these reports on a weekly basis. SCI can also perform other services, if needed. Our services will be invoiced on a time and material basis in accordance with the enclosed *Rate Schedule* and *Price List*.

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Table 1 – Fee Estimate

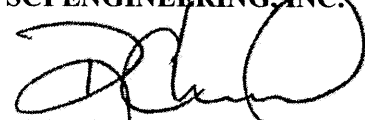
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You can reach me at (618) 206-3037 or rmauch@sciengineering.com if you have any questions.

Respectfully,

SCI ENGINEERING, INC.



Richard C. Mauch, P.E.
Senior Engineer



Mark A. Harms, P.E.
President

Enclosures

Rate Schedule, Price List
Acceptance of Proposal for Professional Services



RATE SCHEDULE

June 27, 2013

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Vice President.....	143.00/hour
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Technician.....	52.00/hour

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September 28, 2010

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Liqud Limit Only		Ea	47.00
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i. Sieve Analysis (includes percent finer than No. 200)	D422/T88	Ea	76.00
ii. Sieve Analysis with Hydrometer		Ea	149.00
iii. Percent finer than No. 200 (washed)	D1140/	Ea	47.00
e. Specific Gravity	D854/T100	Ea	143.00
f. Moisture Content	D2216/T265	Ea	7.00
g. Organic Content	D2974/	Ea	29.00
h. Wet Organic Content	T194	Ea	137.00
i. pH	D4972	Ea	29.00
j. pH	G51	Ea	19.00
k. Resistivity	G57	Ea	77.00
3. Strength and Behavioral Properties			
a. One Dimensional Consolidation Test	D2435		
i. Includes laboratory e-log, p-curve, square root of time method		Ea	375.00
ii. Time Curves		Add	100.00
iii. Log-Time Method		Add	150.00
b. Swell Pressure or Free Swell		Ea	155.00
c. Unconfined Compression Test	D2166/T208		
i. Undisturbed Samples (includes dry density)		Ea	75.00
ii. Remolded Samples		Ea	134.00
iii. Using Rimac on ss samples		Ea	7.00
d. Triaxial Strength Testing			
i. Unconsolidated, Undrained (UU) (Q)	D2850/T296	Pt	99.00
ii. Consolidated, Undrained (CU) (R)	D4767/T297		
a. Per Point		Ea	316.00
b. Additional Multi-Stage Points		Ea	95.00
e. Direct Shear - Consolidated, Drained	D3080		Upon Request
f. Permeability Tests			
i. Triaxial Flexible Wall	D5084	Ea	350.00
ii. Rigid Wall for Granular Soils	D2434	Ea	286.00
g. Rock Core			
i. Description/photo		Box	32.00
ii. Unconfined Compression Test		Ea	79.00

4. Chemical Tests

i. Total Sulfates.....	Ea	16.00
ii. Chlorides.....	Ea	16.00

FIELD SERVICES

1. Compaction Control	Hr	52.00
2. Nuclear Density Equipment.....	D2922/T130 Day	49.00
3. Sand Cone Equipment.....	D1556/T191 Day	18.00
4. Drive Tube Equipment.....	D2937 Day	18.00
5. Settlement Plates	Ea	209.00
6. Handheld GPS Unit	Day	100.00
7. Giddings Probe Truck	Day	250.00

II. CONCRETE

LABORATORY SERVICES

1. Compressive Strength			
a. Cylinders – 6”x12”, 4”x8”, 3”x6”.....	C39	Ea	16.00
b. Cured Cylinder, not tested.....		Ea	16.00
c. 2” x 4” Cylinder.....	C780	Ea	16.00
d. 2” x 2” Cube	C109	Ea	16.00
e. Drilled Cores (including sawcutting one end).....	C42	Ea	46.00
f. Chloride Ion	C1218	Ea	63.00
g. Sawcut Cylinders (If ends are not in compliance with ASTM standards).		Ea	20.00
2. 4” x 4” x 8” Grout Prism.....		Ea	28.00
3. Masonry Prism (two course prepared by contractor).....		Ea	65.00
4. Cylinder Molds		Ea	2.00
5. Flexural Strength - 6” x 6” x 21” or 24” beam.....	C78	Ea	46.00
6. Beam Mold Rental (when cast by others).....		Day	20.00
7. Shrinkage/Length Change of Hardened Concrete.....	C157/C490	Ea	42.00
8. Mix Design/Verification (does not include aggregate tests)			
a. Determination of Proportions.....	(ACI 211)	Ea	148.00
b. Trial Mix Verification (1-point, includes 6 cylinders).....	C192	Ea	473.00
c. Trial Mix (includes 3-point w/c ratio relationship & 18 cylinders).....		Ea	1,282.00
9. Masonry Mortar Mix Test.....		Ea	328.00
10. Aggregate Characteristics			
a. Sieve Analysis.....	C136	Ea	65.00
b. Washed Sieve Analysis (includes percent finer than No. 200).....		Ea	83.00
c. Washed Sieve Analysis (percent finer than No. 200 only)	C117	Ea	47.00
d. Unit Weight and Voids in Aggregate	C29	Ea	60.00
e. Specific Gravity and Absorption of Coarse Aggregate	C127	Ea	79.00
f. Specific Gravity and Absorption of Fine Aggregate	C128	Ea	79.00
g. Clay Lumps and Friable Particles in Aggregate	C142	Ea	65.00
h. Surface Moisture in Fine Aggregate	C70	Ea	25.00
i. Soundness (sodium sulfate).....	C88	Ea	328.00
j. Resistance to Abrasion	C131	Ea	328.00
k. Lightweight Particle.....	C123	Ea	60.00
11. On-Site Laboratory (QA/QC).....			Upon Request
12. Concrete Core Thickness	C174	Ea	17.00

FIELD SERVICES

1. Quality Control (includes determination of slump and air content, making cylinders and retrieval).....			
a. Field Testing	C31	Hr	52.00
b. IDOT QA/QC Level I Testing.....		Hr	56.00
c. IDOT QA/QC Level II Testing.....		Hr	59.00
d. IDOT QA/QC Level III Testing.....		Hr	61.00
2. Concrete Batch Plant Inspection by Registered Professional Engineer (according to NRMCA guidelines).....		Ea	655.00

IN-PLACE TESTING

1.	Rebound Hammer Tests		Hr	77.00
2.	Windsor Probe Penetration Tests			
a.	Field Testing		Hr	77.00
b.	Equipment Rental		Day	46.00
c.	Probes (set of three)		Ea	43.00
3.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew)		Hr	105.00
b.	Bit Wear		Inch	5.00
c.	Equipment Rental		Day	98.00
4.	Floor Flatness	E1155		
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	148.00
5.	Vapor Emission Test	F1869		
a.	Field Testing		Ea	60.00
a.	Field Testing		Hr	79.00
6.	Reinforcing Steel Verification by R-Meter			
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	39.00
c.	Transportation		Mile	0.65

III. ASPHALTIC CONCRETE

LABORATORY SERVICES

1.	Marshall Stability and Flow Test with Density Determination	D6926, 6927	Ea	298.00
a.	Marshall Density (set of three)		Ea	65.00
2.	Bitumen Content	D2172, D6307		
a.	Without gradation		Ea	190.00
b.	With gradation		Ea	238.00
3.	Hot Bin Sieve Analysis	C136/T27	Ea	55.00
4.	Bulk Specific Gravity (AASHTO T166)	D2726/T166	Ea	37.00
5.	Core Density (minimum of 3)		Ea	37.00
6.	Percent Air Voids	D3203	Ea	37.00
7.	Maximum Theoretical Specific Gravity	D2041	Ea	71.00
8.	Marshall Mix Design (The Asphalt Institute MS-2)			
a.	Three-points		Ea	953.00
b.	Five-points		Ea	1,430.00
9.	On-Site Laboratory (QA/QC)			Upon Request
10.	Asphalt Core Thickness	D3549	Ea	17.00
11.	Sand Equivalency	D2419	Ea	63.00

FIELD SERVICES

1.	Commercial Placement Observation (includes determining maximum density of field mix, monitoring density, estimating thickness, and recording temperature)			
a.	Field Testing		Hr	52.00
b.	IDOT QA/QC Level I Testing		Hr	55.00
c.	IDOT QA/QC Level II Testing		Hr	57.00
d.	IDOT QA/QC Level III Testing		Hr	61.00
e.	Equipment Rental		Day	49.00
2.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew)		Hr	105.00
b.	Bit Wear		Inch	4.00
c.	Equipment Rental		Day	98.00
3.	Asphalt Plant Monitoring (includes cold feed and hot bin analysis)		Ea	453.00

IV. SPECIAL INSPECTIONS

1.	Structural Steel Observations (includes visual weld inspection, bolt torque determination)			
a.	Field Inspection.....	AWS D1.1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
2.	Nondestructive Testing			
	Ultrasonic Inspection			
a.	Field Testing.....	AWS D1 1	Hr	89.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
3.	Magnetic Particle Inspection			
a.	Field Testing.....	E1444/E709	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	29.00
4.	Dye Penetrant Inspection			
a.	Field Testing.....	E165	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	23.00
5.	Radiographic Inspection (Two-man crew).....			Upon Request
6.	Welding Operator Qualifications And Inspection (includes welder performance verification and guided bend test)			
a.	Field Verification.....	AWS D1 1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Guided Bend Test (Excludes Machining).....		Coupon	37.00
7.	Sprayed Fire-Resistive Material (includes thickness measurements, density determinations, cohesion/adhesion testing)			
	Thickness Measurements			
a.	Field Testing.....	E605/E736	Hr	80.00
b.	Laboratory.....		Hr	80.00
c.	Transportation.....		Mile	0.65
8.	Reinforced Concrete observation (includes reinforcing steel placement and concrete placement observation, inspection of embedded plates and bolts)			
a.	Field Inspection.....	IBC/ACI318	Hr	59.00
b.	Transportation.....		Mile	0.65
9.	Structural Masonry Observation (includes CMU placement observation, reinforcing steel placement observation, grout placement observation and material sampling)			
a.	Field Inspection.....	IBC/ACI530	Hr	59.00
b.	Transportation.....		Mile	0.65
10.	Adhesion testing of epoxied items into concrete and masonry (includes pullout testing of epoxied anchor bolts and reinforcing steel)			
a.	Field Testing.....	IBC	Hr	59.00
b.	Testing Equipment.....		Day	79.00
c.	Transportation.....		Mile	0.65

V. GENERAL INFORMATION

Listed prices may be discounted for projects requiring large quantities of tests or man-hours. Please contact us for quotations on individual projects.

Field services are subject to transportation charges at \$0.65 per mile and portal-to-portal travel time at the specified hourly rate. A minimum charge of 3 hours per site visit will apply for all field services.

Some laboratory test samples may require preparation prior to testing (e.g., lime-treatment, compacted permeability, etc.). This sample preparation time will be invoiced in accordance with our Rate Schedule.

Laboratory tests include preparation of brief report summary and transmittal. Results of field tests and observations will be presented in letter reports with preparation costs invoiced in accordance with our Rate Schedule. Report forms can be produced for specific projects. Please contact our office to discuss project requirements for submittals.

CURRENT SCHEDULE OF HOURLY RATES

Professional VIII	168.00
Professional VII	146.00
Professional VI	136.00
Professional V	125.00
Professional IV	110.00
Professional III	104.00
Professional II	95.00
Professional I	81.00
Technician V	91.00
Technician IV	79.00
Technician III	70.00
Technician II	60.00
Technician I	50.00
Aide	35.00
Clerical	50.00

* Our most common survey crew consists of one (1) Technician IV and one (1) Technician II. The Licensed Professional Surveyor is classified as a Professional VI.

If the assignment requires payment of premium for overtime hours, these rates will be increased by 50% for those overtime hours.

REIMBURSABLE EXPENSES

Beam Breaks	\$ 8.00 each	Paint	5.00 each
Computer/CADD	10.00/hr.	Personal Vehicle-Mileage	0.56/mi.
Computer/Word Proc.	5.00/hr.	Photocopies, black & white	0.15 each
Concrete Monuments	17.00 each	Photocopies, color, 8 ½ x 11	0.75 each
Company Vehicle	10.00/hr.	Photocopies, color, 8 ½ x 14	1.00 each
Fence Posts	7.00 each	Photocopies, color, 11 x 17	1.50 each
Gator	10.00/hr.	Photocopy Prints	0.30/s.f.
Misc. Costs & Rental Fees	Actual Cost	Postage	Actual Cost
Mylar	4.00/s.f.	Rebar	3.00 each
Outside Services	Actual + 10%	Surveying Instrument	8.00/hr.
Per Diem (Per day per man)	\$125.00	Wood Stakes	0.75 each

Non-salary costs of authorized travel per diem outside the St. Louis metropolitan area, fees associated with permits, the recording of documents, "express mail" and other direct expenses of items requested by the Client will be billed at cost.

This schedule is subject to reasonable change without prior notice. In any event, this schedule will expire and be superseded by a new schedule annually.

Revised 8/16/12

EXHIBIT 1

WORK ORDER NO: 4

Construction QA/QC SERVICES

Issued Pursuant to Master Services Agreement Effective October 9, 2013

By and Between

Juneau Associates, Inc. (JUNEAU)

and

Southwestern Illinois Flood Prevention District Council (the COUNCIL)

COUNCIL Office:	<u>104 United Drive</u> <u>Collinsville, Illinois 62234</u>	JUNEAU Project No:	<u>E-135505</u>
COUNCIL Contact:	<u>Chuck Etwert</u>	Work Order Type: (Check One)	
JUNEAU Office:	<u>2100 State Street</u> <u>P.O. Box 1325</u> <u>Granite City, Illinois 62040</u>	Time and Materials (rates attached)	<u>x</u>
		See Attachment C & D	
		Fixed Price	
JUNEAU Contact:	<u>Charles E. Juneau</u>	the COUNCIL Reference No:	<u>n/a</u>

1. SCOPE OF WORK: See Attachment A and B

2. LOCATION/ COUNCIL FACILITY INVOLVED: Bid Package 5

3. PERIOD OF PERFORMANCE: February 15, 2014 through September 30, 2014 (155 working days)

4. AUTHORIZED FUNDING: \$301,000.00

5. SPECIAL PROVISIONS: N/A

**Southwestern
Illinois Flood Prevention District Council**

Juneau Associates, Inc.

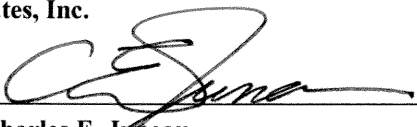
By: _____

Name: Chuck Etwert

Title: Chief Supervisor of Construction and
the Works

Date: _____

Address: 104 United Drive
Collinsville, IL 62234

By:  _____

Name: Charles E. Juneau

Title: President

Date: 2/4/2014

Address: 2100 State Street, P.O. Box 1325
Granite City, Illinois 62040

Scope of Work
Construction QA/QC Services
Work Order #4

Juneau Project No. E-135505

1. Services to be provided by Juneau Associates, Inc., P.C. for construction quality assurance and quality control during construction of Bid Package 5 to include the following:
 - A. SCI Engineering, Inc. (Sub-Consultant) to provide on-site laboratory material testing services as described in **Attachment B** Subconsultant Agreement.
 - B. Juneau Associates, Inc., P.C. (Prime Consultant) to provide project coordination and attend meetings relating to project construction engineering services performed by Sub-Consultant.

SUMMARY OF FEE ESTIMATE

SCI Engineering, Inc. (Sub-Consultant) Material Testing	\$254,989.50	
Juneau Associates (Prime Consultant) markup 10%	25,498.95	
Juneau Associates project meetings and coordination services	<u>20,400.00</u>	
Total	\$300,888.45	
	Rounded	\$301,000.00



Attachment B
SCI ENGINEERING, INC.

CONSULTANTS IN DEVELOPMENT,
DESIGN AND CONSTRUCTION
GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

February 3, 2014

Mr. Charles E. Juneau
Juneau Associates, Inc., P.C.
100 North Research Drive
Edwardsville, Illinois 62025

RE: Proposal for Quality Control Testing Services for Bid Package 5
Southwestern Illinois Flood Prevention District
Madison County, Illinois
SCI No. 2013-3122.0D

Dear Mr. Juneau:

SCI Engineering, Inc. (SCI) is pleased to present our proposal to provide on-site and Laboratory Construction and Material Testing Services for the construction of relief wells, piping systems, clay cap and related levee system improvements in the Wood River District for Bid Package 5. Based on meetings with representatives of AMEC and our review of the plans and specifications for frequency and type of test required for compliance, we understand our scope of services will include the following:

- Compaction testing of soil subgrade and aggregate base for pavement and slabs, as well as thickness checks of base materials.
- Asphaltic concrete testing including thickness and compaction testing during paving.
- Observation of placing controlled Earth Fill and Backfill along with compaction testing to verify material's maximum dry density.
- Laboratory testing on topsoil and back fill material.
- Compaction testing will be verified by both nuclear density and Sand Cone Method. We assumed 120 days for compaction testing.
- Observation of foundation bearing materials and reinforcing steel placement in the proposed pour area prior to concrete placement. We assumed 35 days for placement.
- Concrete testing to include slump, air, and temperature; and casting, curing and testing of compression test specimens. We assumed 280 cylinders for testing.

We will provide qualified technicians to observe, test, and document the construction activities within the referenced scope. We will report to and coordinate our services with your designated site representative. Our observations will be reported daily in writing to the site superintendent. Formal, typewritten weekly summary reports can be provided if needed. We recommend issuing these reports on a weekly basis.

SCI can also perform other services, if needed. Our services will be invoiced on a time and material basis in accordance with the enclosed *Rate Schedule* and *Price List*.

We recommend establishing a budget of **\$255,000** to provide QC materials testing services. After a review of projects plans and specifications provided by AMEC, along with the contractor's progress work schedule, we made necessary assumptions in order to develop this budget estimate. This budget is based on 155 working days in which SCI provides the necessary number of technicians to observe and test the contractor operations. Variables that will influence our costs include the contractor's production rate, the weather, and site conditions. We will contact you if it appears that this scope requires modification.

Table 1 – Fee Estimate

Task	Assumption	Fees (\$)
Project Management		2,660.00
Laboratory Testing		107,870.00
Compaction Testing	120 days	83,900.00
Concrete Testing	35 days	27,300.00
SUB TOTAL		221,730.00
Contingency	15 percent	33,259.50
TOTAL		\$254,989.50

The General Terms and Conditions applicable to this Sub-Consultant Agreement are the same as included in the Prime Agreement known as "MASTER SERVICES AGREEMENT for Quality Control and Material Testing Services between Southwestern Illinois Flood Prevention District Council and Juneau Associates Inc., P.C."

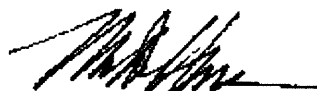
You can reach me at (618) 206-3037 or rmauch@sciengineering.com if you have any questions.

Respectfully,

SCI ENGINEERING, INC.



Richard C. Mauch, P.E.
Senior Engineer



Mark A. Harms, P.E.
President

Enclosures

Rate Schedule

Price List

Acceptance of Proposal for Professional Services



RATE SCHEDULE

June 27, 2013

Officers

President.....	\$161.00/hour
Vice President.....	143.00/hour
Branch Manager.....	85.00/hour

Engineering and Testing Personnel

Chief Engineer.....	\$131.00/hour
Senior Engineer/Geologist.....	120.00/hour
Project Engineer.....	102.00/hour
Special Inspection Manager.....	95.00/hour
Laboratory Manager.....	89.00/hour
Staff Engineer.....	89.00/hour
Senior Field Manager.....	79.00/hour
Special Inspector (Steel/SFRM).....	80.00/hour
Field Manager.....	65.00/hour
Special Inspector (Concrete/Masonry).....	59.00/hour
State Certified Technician.....	52.00 to 58.00/hour
Technician.....	52.00/hour

Office Support

Clerical.....	46.00/hour
---------------	------------

Expenses

Vehicle mileage.....	\$0.65/mile
Transportation, subsistence, lodging, subcontractors, special consultants, etc.....	Cost + 15%

Overtime/Night-Time Differential

Overtime is time in excess of 8 hours per day or work performed on Saturdays, Sundays, or Holidays. Overtime for non-engineering positions will be billed at 1½ times our regular hourly rates. A 10% premium will be charged for all labor performed during a night-time shift.

Expert Testimony

Expert witness testimony for deposition, arbitration, mediation and trial proceedings will be billed at 1½ times the applicable hourly rate.

Field and Lab Services

We prefer a 24-hour notice to schedule field services but will always try to work within the time constraints provided. Coordination and report review will be invoiced at engineering rates. A minimum charge of 3 hours per site visit will apply for all field services.



PRICE LIST

September 28, 2010

I. SOIL TESTING

LABORATORY TESTS

	ASTM/AASHTO	Unit	Price
1. Compaction Control			
a. Moisture-Density Relationship			
i. Standard Proctor	D698/T99	Ea	227.00
ii. Modified Proctor	D1557/T180	Ea	256.00
iii. Aggregate Samples		Add	48.00
b. California Bearing Ratio (CBR) (moisture-density relationship additional)	D1883/T193		
i. Single-Point (unsoaked)		Ea	155.00
ii. Single-Point (soaked)		Ea	166.00
c. Relative Density - Minimum and maximum density	D4253/4254	Ea	317.00
2. Material Characterization			
a. Visual Description	D2488/M145	Ea	7.00
b. Atterberg Limits - Method A or B	D4318/T89.90	Ea	75.00
Liqud Limit Only		Ea	47.00
c. Unit Weight Determination	D2937	Ea	33.00
d. Grain Size Analysis			
i. Sieve Analysis (includes percent finer than No. 200)	D422/T88	Ea	76.00
ii. Sieve Analysis with Hydrometer		Ea	149.00
iii. Percent finer than No. 200 (washed)	D1140/	Ea	47.00
e. Specific Gravity	D854/T100	Ea	143.00
f. Moisture Content	D2216/T265	Ea	7.00
g. Organic Content	D2974/	Ea	29.00
h. Wet Organic Content	T194	Ea	137.00
i. pH	D4972	Ea	29.00
j. pH	G51	Ea	19.00
k. Resistivity	G57	Ea	77.00
3. Strength and Behavioral Properties			
a. One Dimensional Consolidation Test	D2435		
i. Includes laboratory e-log, p-curve, square root of time method		Ea	375.00
ii. Time Curves		Add	100.00
iii. Log-Time Method		Add	150.00
b. Swell Pressure or Free Swell		Ea	155.00
c. Unconfined Compression Test	D2166/T208		
i. Undisturbed Samples (includes dry density)		Ea	75.00
ii. Remolded Samples		Ea	134.00
iii. Using Rimac on ss samples		Ea	7.00
d. Triaxial Strength Testing			
i. Unconsolidated, Undrained (UU) (Q)	D2850/T296	Pt	99.00
ii. Consolidated, Undrained (CU) (R)	D4767/T297		
a. Per Point		Ea	316.00
b. Additional Multi-Stage Points		Ea	95.00
e. Direct Shear - Consolidated, Drained	D3080		Upon Request
f. Permeability Tests			
i. Triaxial Flexible Wall	D5084	Ea	350.00
ii. Rigid Wall for Granular Soils	D2434	Ea	286.00
g. Rock Core			
i. Description/photo		Box	32.00
ii. Unconfined Compression Test		Ea	79.00

4. Chemical Tests

i. Total Sulfates.....	Ea	16.00
ii. Chlorides.....	Ea	16.00

FIELD SERVICES

1. Compaction Control	Hr	52.00
2. Nuclear Density Equipment.....	D2922/T130 Day	49.00
3. Sand Cone Equipment.....	D1556/T191 Day	18.00
4. Drive Tube Equipment.....	D2937 Day	18.00
5. Settlement Plates	Ea	209.00
6. Handheld GPS Unit	Day	100.00
7. Giddings Probe Truck	Day	250.00

II. CONCRETE

LABORATORY SERVICES

1. Compressive Strength			
a. Cylinders – 6”x12”, 4”x8”, 3”x6”.....	C39	Ea	16.00
b. Cured Cylinder, not tested.....		Ea	16.00
c. 2” x 4” Cylinder.....	C780	Ea	16.00
d. 2” x 2” Cube	C109	Ea	16.00
e. Drilled Cores (including sawcutting one end).....	C42	Ea	46.00
f. Chloride Ion	C1218	Ea	63.00
g. Sawcut Cylinders (If ends are not in compliance with ASTM standards).		Ea	20.00
2. 4” x 4” x 8” Grout Prism.....		Ea	28.00
3. Masonry Prism (two course prepared by contractor).....		Ea	65.00
4. Cylinder Molds		Ea	2.00
5. Flexural Strength - 6” x 6” x 21” or 24” beam.....	C78	Ea	46.00
6. Beam Mold Rental (when cast by others).....		Day	20.00
7. Shrinkage/Length Change of Hardened Concrete.....	C157/C490	Ea	42.00
8. Mix Design/Verification (does not include aggregate tests)			
a. Determination of Proportions.....	(ACI 211)	Ea	148.00
b. Trial Mix Verification (1-point, includes 6 cylinders).....	C192	Ea	473.00
c. Trial Mix (includes 3-point w/c ratio relationship & 18 cylinders).....		Ea	1,282.00
9. Masonry Mortar Mix Test.....		Ea	328.00
10. Aggregate Characteristics			
a. Sieve Analysis.....	C136	Ea	65.00
b. Washed Sieve Analysis (includes percent finer than No. 200).....		Ea	83.00
c. Washed Sieve Analysis (percent finer than No. 200 only)	C117	Ea	47.00
d. Unit Weight and Voids in Aggregate	C29	Ea	60.00
e. Specific Gravity and Absorption of Coarse Aggregate	C127	Ea	79.00
f. Specific Gravity and Absorption of Fine Aggregate	C128	Ea	79.00
g. Clay Lumps and Friable Particles in Aggregate	C142	Ea	65.00
h. Surface Moisture in Fine Aggregate	C70	Ea	25.00
i. Soundness (sodium sulfate).....	C88	Ea	328.00
j. Resistance to Abrasion	C131	Ea	328.00
k. Lightweight Particle.....	C123	Ea	60.00
11. On-Site Laboratory (QA/QC).....			Upon Request
12. Concrete Core Thickness	C174	Ea	17.00

FIELD SERVICES

1. Quality Control (includes determination of slump and air content, making cylinders and retrieval).....			
a. Field Testing	C31	Hr	52.00
b. IDOT QA/QC Level I Testing.....		Hr	56.00
c. IDOT QA/QC Level II Testing.....		Hr	59.00
d. IDOT QA/QC Level III Testing.....		Hr	61.00
2. Concrete Batch Plant Inspection by Registered Professional Engineer (according to NRMCA guidelines).....		Ea	655.00

IN-PLACE TESTING

1.	Rebound Hammer Tests		Hr	77.00
2.	Windsor Probe Penetration Tests			
a.	Field Testing		Hr	77.00
b.	Equipment Rental.....		Day	46.00
c.	Probes (set of three).....		Ea	43.00
3.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew).....		Hr	105.00
b.	Bit Wear		Inch	5.00
c.	Equipment Rental		Day	98.00
4.	Floor Flatness	E1155		
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	148.00
5.	Vapor Emission Test	F1869		
a.	Field Testing		Ea	60.00
a.	Field Testing		Hr	79.00
6.	Reinforcing Steel Verification by R-Meter.....			
a.	Field Testing		Hr	79.00
b.	Equipment Rental		Day	39.00
c.	Transportation.....		Mile	0.65

III. ASPHALTIC CONCRETE

LABORATORY SERVICES

1.	Marshall Stability and Flow Test with Density Determination.....	D6926, 6927	Ea	298.00
a.	Marshall Density (set of three).....		Ea	65.00
2.	Bitumen Content	D2172, D6307		
a.	Without gradation.....		Ea	190.00
b.	With gradation.....		Ea	238.00
3.	Hot Bin Sieve Analysis	C136/T27	Ea	55.00
4.	Bulk Specific Gravity (AASHTO T166)	D2726/T166	Ea	37.00
5.	Core Density (minimum of 3).....		Ea	37.00
6.	Percent Air Voids	D3203	Ea	37.00
7.	Maximum Theoretical Specific Gravity	D2041	Ea	71.00
8.	Marshall Mix Design (The Asphalt Institute MS-2)			
a.	Three-points		Ea	953.00
b.	Five-points		Ea	1,430.00
9.	On-Site Laboratory (QA/QC).....			Upon Request
10.	Asphalt Core Thickness	D3549	Ea	17.00
11.	Sand Equivalency	D2419	Ea	63.00

FIELD SERVICES

1.	Commercial Placement Observation (includes determining maximum density of field mix, monitoring density, estimating thickness, and recording temperature)			
a.	Field Testing.....		Hr	52.00
b.	IDOT QA/QC Level I Testing		Hr	55.00
c.	IDOT QA/QC Level II Testing		Hr	57.00
d.	IDOT QA/QC Level III Testing.....		Hr	61.00
e.	Equipment Rental.....		Day	49.00
2.	Coring (350.00 minimum)			
a.	Field Testing (two-man crew).....		Hr	105.00
b.	Bit Wear		Inch	4.00
c.	Equipment Rental		Day	98.00
3.	Asphalt Plant Monitoring (includes cold feed and hot bin analysis).....		Ea	453.00

IV. SPECIAL INSPECTIONS

1.	Structural Steel Observations (includes visual weld inspection, bolt torque determination)			
a.	Field Inspection.....	AWS D1.1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
2.	Nondestructive Testing			
	Ultrasonic Inspection			
a.	Field Testing.....	AWS D1 1	Hr	89.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	39.00
3.	Magnetic Particle Inspection			
a.	Field Testing.....	E1444/E709	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	29.00
4.	Dye Penetrant Inspection			
a.	Field Testing.....	E165	Hr	83.00
b.	Transportation.....		Mile	0.65
c.	Equipment Rental.....		Day	23.00
5.	Radiographic Inspection (Two-man crew).....			Upon Request
6.	Welding Operator Qualifications And Inspection (includes welder performance verification and guided bend test)			
a.	Field Verification.....	AWS D1 1	Hr	80.00
b.	Transportation.....		Mile	0.65
c.	Guided Bend Test (Excludes Machining).....		Coupon	37.00
7.	Sprayed Fire-Resistive Material (includes thickness measurements, density determinations, cohesion/adhesion testing)			
	Thickness Measurements			
a.	Field Testing.....	E605/E736	Hr	80.00
b.	Laboratory.....		Hr	80.00
c.	Transportation.....		Mile	0.65
8.	Reinforced Concrete observation (includes reinforcing steel placement and concrete placement observation, inspection of embedded plates and bolts)			
a.	Field Inspection.....	IBC/ACI318	Hr	59.00
b.	Transportation.....		Mile	0.65
9.	Structural Masonry Observation (includes CMU placement observation, reinforcing steel placement observation, grout placement observation and material sampling)			
a.	Field Inspection.....	IBC/ACI530	Hr	59.00
b.	Transportation.....		Mile	0.65
10.	Adhesion testing of epoxied items into concrete and masonry (includes pullout testing of epoxied anchor bolts and reinforcing steel)			
a.	Field Testing.....	IBC	Hr	59.00
b.	Testing Equipment.....		Day	79.00
c.	Transportation.....		Mile	0.65

V. GENERAL INFORMATION

Listed prices may be discounted for projects requiring large quantities of tests or man-hours. Please contact us for quotations on individual projects.

Field services are subject to transportation charges at \$0.65 per mile and portal-to-portal travel time at the specified hourly rate. A minimum charge of 3 hours per site visit will apply for all field services.

Some laboratory test samples may require preparation prior to testing (e.g., lime-treatment, compacted permeability, etc.). This sample preparation time will be invoiced in accordance with our Rate Schedule.

Laboratory tests include preparation of brief report summary and transmittal. Results of field tests and observations will be presented in letter reports with preparation costs invoiced in accordance with our Rate Schedule. Report forms can be produced for specific projects. Please contact our office to discuss project requirements for submittals.

CURRENT SCHEDULE OF HOURLY RATES

Professional VIII	168.00
Professional VII	146.00
Professional VI	136.00
Professional V	125.00
Professional IV	110.00
Professional III	104.00
Professional II	95.00
Professional I	81.00
Technician V	91.00
Technician IV	79.00
Technician III	70.00
Technician II	60.00
Technician I	50.00
Aide	35.00
Clerical	50.00

* Our most common survey crew consists of one (1) Technician IV and one (1) Technician II. The Licensed Professional Surveyor is classified as a Professional VI.

If the assignment requires payment of premium for overtime hours, these rates will be increased by 50% for those overtime hours.

REIMBURSABLE EXPENSES

Beam Breaks	\$ 8.00 each	Paint	5.00 each
Computer/CADD	10.00/hr.	Personal Vehicle-Mileage	0.56/mi.
Computer/Word Proc.	5.00/hr.	Photocopies, black & white	0.15 each
Concrete Monuments	17.00 each	Photocopies, color, 8 ½ x 11	0.75 each
Company Vehicle	10.00/hr.	Photocopies, color, 8 ½ x 14	1.00 each
Fence Posts	7.00 each	Photocopies, color, 11 x 17	1.50 each
Gator	10.00/hr.	Photocopy Prints	0.30/s.f.
Misc. Costs & Rental Fees	Actual Cost	Postage	Actual Cost
Mylar	4.00/s.f.	Rebar	3.00 each
Outside Services	Actual + 10%	Surveying Instrument	8.00/hr.
Per Diem (Per day per man)	\$125.00	Wood Stakes	0.75 each

Non-salary costs of authorized travel per diem outside the St. Louis metropolitan area, fees associated with permits, the recording of documents, "express mail" and other direct expenses of items requested by the Client will be billed at cost.

This schedule is subject to reasonable change without prior notice. In any event, this schedule will expire and be superseded by a new schedule annually.

Revised 8/16/12



Memo to: Board of Directors

From: Chuck Etwert

Subject: AMEC Work Order 9– Wood River Cut Off Walls Final Design

Date: February 14, 2014

At the November 2014 meeting the Council voted that the Corps of Engineers be notified of the Council's intent to take responsibility for the construction of the shallow and deep cutoff walls in the Wood River district, and our unwillingness to execute a Project Partnership Agreement for this project under the current terms and conditions.

It was determined that this was the best course of action for the Council to take in order to assume control of construction of the Wood River cutoff wall projects. This was based on the following reasons:

1. The open-ended contractual arrangement with the Corps is not something that the Council would accept from any other contractor. Even with the design process nearing a completion, the Corps has not produced a detailed cost estimate for the project. Without a binding commitment to cost and schedule there is no assurance that the Council's goals will be met.
2. The Corps of Engineers is unable to meet the Council's adopted policies and longstanding commitments relating to the use of the local workforce (a commitment initially made by legislators when they advanced the FPD sales tax legislation).
3. It has always been the Council's intent to build the subject levee improvements, and money has been budgeted for this purpose. Experience shows that when the Council is in control of decision-making, the outcome of the project will be predictable.
4. Local funds are available to build the project, while still leaving substantial financial capacity for future levee improvements, either locally-funded or cost-shared federal projects.

5. The record provides substantial evidence that a locally funded project will cost less to build than a federal cost-shared project, thereby diminishing savings to the Council from using federal funds.
6. This strategy allows for continued advocacy of reprogramming federal funds to address the most critical risk on the levee system, and the single biggest obstacle to certification- the uncontrolled underseepage at the Mel Price lock and dam.

Downside risks to this approach were mainly to the project schedule and future funding, but those risks were felt to be manageable, and to some degree, speculative.

In addition, the Council authorized the Chief Supervisor to negotiate a Work Order with AMEC for the additional design tasks to produce final plans and specifications for the project and for the construction management activities required to complete the project.

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.

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 #9. Total cost for this work order will be \$675,000.00. It will take about two months for AMEC to assimilate the design and make any changes necessary to satisfy their internal requirements for affixing their seal to the construction drawings. The Corps will need to do a Sec. 408 review, which we have been told will be “streamlined” but is still expected to take four months, assuming that no substantial changes are made to the Corps design. Completion of the project by the end of 2015 remains doable, but there would be little or no room for schedule slippage.

The Corps of Engineers gave AMEC their plans at a design turnover meeting on February 6, 2014.

AMEC continues to perform at a high level, meeting all of our expectations for timeliness and quality of work products and effective control of design costs.

Recommendation: Authorize the Chief Supervisor to execute Work Order # 9 for Final Design Services with AMEC Earth and Infrastructure for the Wood River Cut Off Walls. Services include 100% complete construction documents and associated design services in support of the design of the cutoff walls. The cost of Work Order #9 will not exceed \$675,000.00 and will be effective beginning on February 1, 2014 and ending on March 31, 2015.



WORK ORDER NO: MSA01-WO09

WOOD RIVER CUT OFF WALLS FINAL DESIGN SERVICES

Issued Pursuant to Master Services Agreement Effective **August 15, 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>Charles Ewert</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,
3. PERIOD OF PERFORMANCE: February 1, 2014 through March 31, 2015
4. AUTHORIZED FUNDING: \$675,000.00
5. SPECIAL PROVISIONS: n/a

**Southwestern
Illinois Flood Prevention District Council**

AMEC Environment & Infrastructure, Inc.

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

By: _____
Name: Jim Shepard
Title: Sr. Vice President

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

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

**Attachment A
Scope of Work**

**WORK ORDER NO: MSA01-WO07
PRELIMINARY DESIGN SERVICES**

AMEC Project No: 56317001

Background: AMEC designed a set of cutoff walls and submitted to USACE for 408 reviews. Prior to completion of the 408 review process, USACE received funds to complete the design the walls. The sponsor (FPD) contributed funding to the design and expects to receive a 100% design package of plans and specifications (P&S) from USACE. Because USACE does not wish to enter into a PLA for the project, sponsor will construct the wall. Sponsor cannot issue USACE designs for bid; therefore, AMEC will again serve as designer.

Challenges:

- AMEC provided ATR review of cutoff wall designs, but has not been intimately involved with USACE cutoff wall design, and will need to assume the necessary “in direct charge of design” responsibility for calculations, models, designs, etc. in order to issue plans and specs;
- Because AMEC will serve as the designer the plans, they will be required to go through a 408 approval process. This adds a level of effort and complexity to the path forward;
- USACE has completed ATR and SAR reviews. If AMEC can avoid “major” changes to the USACE design, additional ATR and SAR reviews will not be necessary. We are not sure at this time what will be considered a “major” change.

Services to be provided by AMEC under this Work Order include 100% complete Construction Documents and associated Design Services in support of the design of the cutoff walls.

Services to be provided by AMEC under this Work Order include:

Task List:

1. Review Dr. Checks comments from AMEC 408 application to determine if comments are still outstanding. If so, develop approach to resolve them.
2. Develop cost proposal for Council and receive NTP.
3. Develop schedule.
4. Invite USACE to stay involved, and determine how this will be managed.
5. Obtain the following items from USACE (hand off meeting occurred February 6, 2014):
 - Recent/revised models and calculations
 - Final Design Documentation Report with appended calculations and specialty reports)
 - Recent survey work (none provided)
 - Line work (Microstation)
 - Electronic copies of plans and specs (SpecsIntact version to be included)
 - Records of meeting with utility companies
 - Copy of ATR and SAR report
 - Permits (none provided)

6. Develop process to track changes to USACE P&S. Per the February 6, 2014 meeting, USACE will set up Dr. Checks for this purpose. AMEC will enter a description of every change made, and USACE will respond. Rachel Lopez at USACE will be responsible for routing the AMEC comments to the correct USACE reviewer.
7. Prepare new 408 application
8. 100% Complete Construction Document Preparation
 - Prepare 100% complete construction drawings for each of two bid packages, to include:
 - Topographic information
 - Site demolition
 - Repair/improvement layout
 - Grading
 - Temporary erosion control information
 - Utility relocation information
 - General notes
 - Cover sheet
 - Plan sheets
 - Profile and cross section sheets
 - Site details
9. Prepare 100% complete project specifications for each bid package, to include:
 - Front end section
 - Technical sections
10. Prepare 100% complete construction cost estimate for each bid package, to include:
 - Unit cost and pricing research
 - Obtain preliminary pricing quotes
 - Quantity take-offs
 - Detailed construction cost estimate
11. Utility Coordination
 - Submit sealed construction drawings and required documentation for each bid package to affected utility companies for verification of public utility conflicts.
 - Coordinate with affected utility companies for utility relocations.
 - Obtain estimated cost for utility company relocated facilities.
12. Permitting
 - Submit sealed construction documents and required documentation for each bid package to the following local regulatory agencies:
 - Counties, Cities, Villages, Townships, etc.
 - IDNR
 - IDOT
 - Coordinate with regulatory agencies, revise plans as required and pursue approvals.
 - Obtain estimated cost for utility company relocated facilities.
13. Bid Phase Services
 - Provide bid procurement services for each bid package, to include:
 - Advertisement
 - Pre-Bid Meeting
 - Respond to questions regarding the clarity or intent of the contract documents.
 - Prepare and issue addenda.
 - Receive and open bids in public forum.

- Coordinate with construction management team to review bids and recommend contractor selection for each bid package.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Request to U.S. Army Corps of Engineers to conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for Wood River Upper Levee System

Date: February 14, 2014

At the December and January meetings, Mr. Sterman discussed that the St. Louis District of the Corps had received a waiver from Headquarters that would allow them to use federal funds to perform a levee system evaluation of the Upper Wood River and East St. Louis (MESD) levee systems. This evaluation would substitute for the certification required by FEMA and would address two levee reaches of concern to us: the Mel Price uncontrolled underseepage area, and the Chain of Rocks levee. In the former case, AMEC has indicated it would not be able to certify the levee under the current circumstances. In the latter, AMEC will likely be able to certify, but significant data gaps will have to be filled at substantial expense to the Council. The potential problem with accepting the offer from the Corps will be the bifurcation of the design and certification process. The Council purposely combined the two processes under a contract with a single party to assure that, once designed and constructed, the improvements would be certified. We can get no such assurance if the Corps assumes the certification role. It is possible, especially given the experience of the Sec. 408 review that the Corps may not fully agree with the current design. That would create an untenable situation that would jeopardize the progress of the entire project.

I have discussed with the Corps the risks of allowing the Corps to undertake the certification process. The initial analysis suggest that the risk of any technical disagreements for Upper Wood River (which contains the Mel Price segment), is very low. Such risks would be marginally greater in the MESD area, because the design is more robust and complex. At this point, it would be my recommendation to request that the Corps undertake the levee system evaluation for the Upper Wood River levee system at one hundred percent federal cost. In that case, the small risk is justified by eliminating the near certainty that AMEC would not be able to certify that system as meeting the FEMA criteria. With the risks being much greater and the potential of the certification process being jeopardized the current thought is that we do not have the Corps perform a levee system evaluation of the East St. Louis (MESD) levee system.

Recommendation: Authorize the Chief Supervisor to request the U.S. Army Corps of Engineers conduct a National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for Wood River Upper Levee System at one hundred percent federal cost.