



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING  
June 17, 2015 7:30 am

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

1. Call to Order  
*John Conrad, President*
2. Approval of Minutes of May 20, 2015
3. Public Comment on Pending Agenda Items
4. Program Status Report  
*Chuck Etwert, Chief Supervisor*
5. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
6. Design and Construction Update  
*Jay Martin, Amec Foster Wheeler Environment & Infrastructure*
7. Change Orders – BP #6  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
8. Wood River Authorized Level Project Summary Report  
*Amec Foster Wheeler Environment & Infrastructure*  
*Chuck Etwert, Chief Supervisor*
9. Bond Sale Resolution  
*Jeff White, Columbia Capital Management*  
*Chuck Etwert, Chief Supervisor*
10. Update from Corps of Engineers  
*Tracey Kelsey, U.S. Army Corps of Engineers*
11. Public Comment

AGENDA

12. Executive Session - Litigation
13. Other Business
14. Adjournment

**Next Meeting: July 15, 2015**

## MINUTES

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

May 20, 2015

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday May 20, 2015.

#### Members in Attendance

John Conrad, President (Chair, Monroe County Flood Prevention District)  
James Pennekamp, Vice President (Chair, Madison County Flood Prevention District)  
Dan Maher, Secretary/Treasurer (Chair, St. Clair County Flood Prevention District)  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
Paul Bergkoetter, 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  
Terry Liefer, Monroe County Board Chair  
Chuck Etwert, SW Illinois FPD Council  
Matt Barriger, BarberMurphyGroup  
Tom Casey, SCI Engineering  
Rich Conner, Levee Issues Alliance  
Mike Feldmann, U.S. Army Corps of Engineers  
Sean Flynn, Gilmore & Bell  
Walter Greathouse, Metro-East Sanitary District  
Gary Hoelscher, Millennia Professional Services  
David Human, Husch Blackwell LLP  
Ronald S. Kaempfe, IUOE Local 520  
Tracey Kelsey, U.S. Army Corps of Engineers  
Ellen Krohne, Leadership Council SW Illinois  
Jay Martin, Amec Foster Wheeler Environment & Infrastructure  
Jack Norman, Southern Illinois Groundwater Advisory Council  
David Oates, Oates Associates  
Jon Omvig, Amec Foster Wheeler Environment & Infrastructure  
Joe Parente, Madison County  
Cas Sheppard, SMS Engineers  
Ken Slavens Husch Blackwell LLP

Dale Stewart, Southwestern Illinois Building Trades Council  
Jeff White, Columbia Capital  
Delbert Wittenauer, Monroe County

**Call to order**

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

**Approval of Minutes of April 15, 2015**

Mr. Etwert requested that on page fifteen of the minutes the word “different” be removed from the second sentence of Dale Stewart’s comments. A motion was made by Jim Pennekamp, seconded by Dan Maher, to approve the minutes, as corrected, of the Board meeting held on April 15, 2015. Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved.

**Public Comment on Pending Agenda Items**

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

**Program Status Report**

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

Mr. Etwert indicated Husch Blackwell continues to work with the attorneys for Union Pacific, we are in the process of executing Union Pacific’s forty page Stormwater Drainage Improvements Construction & Maintenance Agreement and should have the remaining easements needed for the BP #3 construction project any day now. This will complete the easement obtainment process for the 100-Year Level of Protection Projects.

Approximately 69% of the \$46.9 million of construction, involved in the eight current construction bid packages (not including BP 7B), has been completed thru April. With 2.4 million dollars’ worth of construction completed in April, the total amount of construction completed is now \$32.6 million.



He indicated that there was one change order on this month's agenda, involving Bid Package #6 with Amec Foster Wheeler explaining it later in the meeting.

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

On May 6th, there was a bid opening for the re-bid of Bid Package 7B – Wood River Lower Cutoff Wall Project. Two bids were received with both bids being within five percent of the engineer's estimate. Amec Foster Wheeler will be explaining the results and their recommendation.

Mr. Etwert indicated that on May 8th, he gave a project overview presentation to the Illinois Society of Professional Engineers at the Seventh Annual Metro East Mini Conference and a majority of the attendees indicated that they were familiar with the Council's project.

He indicated that Mr. Jeff White of Columbia Capital Management is at today's meeting to discuss proposed bond financing scheduling.

He mentioned in March that Senator Durbin had met with the Secretary of the Army and the Army Chief of Staff regarding the Corps' rejection of mandating Project Labor Agreements (PLAs). The Senator's office indicated to me last week that they expect to receive a response from the Corps in the very near future reflecting the results of a new review of the issue by Army Logistics.

Mr. Etwert indicated that there would be an executive session on litigation at the end of the meeting.

The Board was provided copies of the Amec Foster Wheeler's Monthly Progress Report for May and the Bank Fund Balance Sheet for April.

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

- Mr. Polka - Aye
- Mr. Brinkman – Aye
- Mr. Bergkoetter - Aye
- Mr. Conrad - Aye
- Mr. Long – 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. Conrad asked Mr. Etwert to provide a report.

Mr. Etwert noted that financial statement for April 2015 prepared by our fiscal agent, CliftonLarsonAllen was included in the materials sent for the meeting. The report included an accounting of revenues and expenditures for the month ending April 30, 2015, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$28,771,545 while revenues amounted to \$6,893,231 resulting in a deficit of \$21,878,314. A total of approximately \$23,015,535 is held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for February 2015 (the latest month reported by the Illinois Department of Revenue) were down by .70% from the previous year. In general, receipts are up 2.86% from last year, which was our highest year.

The report included bank transactions for April 2015. Total disbursements for the month were \$3,521,943.74. The largest payments were to Keller Construction for BP #3 and BP #5, Lane Construction for BP #6, Korte & Luitjohan Contractors for BP #2B, Kamadulski Excavating & Grading Co. for BP #7A, Haier Plumbing for BP #4, Amec Foster Wheeler and Husch Blackwell.

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

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

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

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

The motion was approved unanimously.

## **Design and Construction Update**

Mr. Conrad called on Jay Martin, Amec Foster Wheeler's program manager, to provide a report. Mr. Martin used a PowerPoint® presentation to illustrate his remarks. His presentation, including a few site photos, focused on the status of each bid package as follows:

### **Construction Status**

#### **Bid Package 2A – Fish Lake Pump Station**

- The project is complete and the retainage has been released.
- Amec Foster Wheeler developing record document

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

- The project is complete
- Retainage will not be fully released until establishment of turf
- .Modification to construct guardrail at Site 12 remains
- Amec Foster Wheeler developing record documents

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

- Work on this site will not begin until 15 October 15 in order to comply with 33 U.S.C. 408 (Section 408 alteration permit).
- NTP was issued on 05 March 15.
- The contractor is working on submittals.

#### **Bid Package 3 – WR Seepage Improvements**

- Critical Delay: Union Pacific RR land acquisition has impacted mobilization to Blanket Drain 6, Seepage Berms 1-4 and Random Fill Areas 1 & 2.
- Design revisions to Blanket Drain 4 pending. Construction costs impacts will be submitted when available.
- Piezometer installation continues – 39 of 51 piezometers complete. Concrete seals and bollards also being installed.
- Relief well drilling continues - 8 of 85 RWs have been completed.
- Blanket Drain 1 – Set to begin this month
- Blanket Drain 2 – Set to begin this month
- Weir 1 – Complete
- Pilot hole work for Relief Wells has begun at IL RT3 and Hawthorne
- Substantial Completion walkthrough of Blanket Drain 3, Blanket Drain 5, and Indian Creek was completed on May 13

**Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)**

- Relief well drilling complete.
- Site 09 Pump Station structures and electrical complete.
- Ameren to connect existing Phillips Reach Pump Station and Site 09 Pump Station in May
- Ductile Iron Force mains complete. Backfill ongoing
- Clay cap and Random Fill work will begin May/June

**Bid Package 5 – MESD Seepage Improvements**

- Relief well drilling complete.
- Relief well collector systems in Cahokia complete. Deflection testing remains.
- Relief well manholes/laterals at Venice Pump Station in progress.
- Piezometer installation complete. Transducers to be installed.
- Clay Cap and Random Fill work will begin May/June.
- Sluice Gate rehabilitation at MoPAC scheduled for completion in August 2015

**Bid Package 6 – Prairie Du Pont/Fish Lake Seepage Improvements**

- Relief well drilling continues. 64 of 67 RWs have been drilled.
- Piezometer installation continues – 15 of 16 PZs complete
- Sluice Gate rehabilitation/replacement complete.
- Lining of the triple 84” culverts at Palmer Creek Pump Station complete.
- Relief well collector system – 60% Complete
- Seepage Berms – 90% Complete
- Clay Caps – 60% Complete

**Bid Package 7A – Wood River Upper (Shallow) Cutoff Wall**

- A substantial completion walkthrough and Final Inspection will be scheduled in the near future
- Contractor is demobilizing equipment

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

- Two bids were submitted May 6:
- TREVIICOS South Corporation: \$13,991,000.00
- Brasfond USA Corporation: \$14,793,622.80
- Engineer’s Estimate: \$14,559,583.00
- TREVIICOS is the apparent low bidder. Recommend approval of their proposal.
- Anticipate June 1, 2015 Notice-to-Proceed.
- Mobilization Mid July 2015
- Cutoff Wall Scheduled to be complete by end of 2015
- Remaining work to be complete May 1,2016

## **Construction Photos**

**Bid Package 3** – Wood River – Blanket Drain 3 Nearly Complete

**Bid Package 3** – Wood River – Blanket Drain 5 Completed

**Bid Package 4** – MESD at Conoco Phillips – Site 09 Pump Station Force Main Casing

**Bid Package 5** – MESD – Pouring D-Type Relief Well Seals & Slabs

**Bid Package 6** – Prairie Du Pont/Fish Lake – Clay Cap Work Resumes

**Bid Package 7A**– Wood River – Re-paving road on top of levee

Next Mr. Martin discussed Land Acquisition:

### **Union Pacific**

- Has caused critical delay in Bid Package 3, impacting Lower Wood River Certification dates
- As of May 14, 2015, UP and FPD Council have formed an agreement
- Awaiting final signatures, then construction can proceed on railroad Right-of-Way

FEMA Certification was discussed next.

### **Upper Wood River**

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

### **Lower Wood River**

- Certification is pending completion of BP3 & BP7B.
- Submit to FEMA Middle of 2016

### **Wood River East & West Forks**

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

### **MESD**

- Pending completion of Bid Packages 2B, 4, & 5
- Pending resolution of Chain of Rocks documentation with USACE.

### **Prairie Du Pont & Fish Lake**

- Pending completion of Bid Packages 2B & 6
- Submit to FEMA by end of 2015

Lastly, Mr. Martin discussed the Authorized Level (500-Year) Planning and Design.

### **Authorized Level (500-Year) Planning**

#### **USACE – Reach-by-Reach Analysis (In Progress)**

- Rank levee reaches by factor of safety
- Based on prior LRR work
- Include FEMA improvements

#### **USACE – Integral Determination Report (IDR) (In Progress)**

- Determines work that will be recognized as part of Authorized Level Plan

#### **USACE – Project Partnership Agreement**

- Identifies work eligible for Work-In-Kind credit towards future projects

#### **Amec Foster Wheeler – Reach-by-Reach Analysis (In Progress)**

- Review USACE ranking recommendations
- Develop Construction Cost Estimates by reach
- Develop plan to maximize safety for Council's available funds

#### **Amec Foster Wheeler – Authorized Level Design**

- Site visits
- Drilling
- Lab Analyses
- Survey
- Design
- Plans & Specifications
- Permitting

#### **Amec Foster Wheeler – Land Acquisition**

- Complete Prior to going out to bid

#### **Amec Foster Wheeler – Bidding & Construction of Authorized Level Improvements**

### **Authorized Level (500-Year) Design**

#### **1) Reach-by-Reach Analysis**

- Wood River and MESD – Five reaches along each system are being reviewed by USACE against FEMA improvements (complete in early August 2015)
- Prairie Du Pont & Fish Lake being reviewed by USACE against FEMA improvements (complete July 15, 2015)

#### **2) Integral Determination Report (IDR)**

- Wood River and MESD – Draft Received May 13,2014; approval Sept. 2015

- PDP/FL – Draft planned for January 2016

### **3) Project Partnership Agreement (PPA)**

- Wood River – Existing PPA needs amended to include Work-In-Kind, & accelerated and advance funding. Amended PPA issued one year after IDR is approved
- MESD – Existing PPA needs amended to include Work-In-Kind and accelerated funding. Amended PPA issued one year after IDR is approved.
- Prairie Du Pont/Fish Lake – End of 2016 (estimate)

### **4) Bi-weekly meeting with USACE are working to develop:**

- Schedules
- Work split between FPD Council and USACE
- Costs to the FPD Council (Work-In-Kind Credit & Cash)

It was asked when was the soonest that the Council could anticipate FEMA certifying the 100-Year Level of protection. Mr. Martin indicated that cutoff wall project BP #7B would need to be completed prior to submittal, therefore, the paperwork couldn't be submitted to FEMA until the middle of 2016.

Mr. Parks arrived during the presentation.

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

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

The motion was approved unanimously.

### **Change Order - BP #6**

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

Mr. Etwert indicated as he mentioned in the Progress Report earlier that there was one change order on the agenda, which Amec Foster Wheeler would be explaining. It involves Bid Package #6. He stated per the Board's Construction Change Order Policy, any change order which causes a line item to increase by more than ten percent must be approved by the Board. Board approval

is also required on all change orders if the total of all change orders on a project exceed ten percent of a project's original cost, which currently applies Bid Packages 3 & 6.

Mr. Omvig provided the following explanation:

**Bid Package 06 – Change Order 20**

**Existing Piezometer P37 \$1,440.00**

Cost for abandoning piezometer P37, which was found in the field to be broken at the bottom of the concrete backfill. This piezometer was not shown on the plans. This change order is an increase to the abandon piezometer pay item and will increase the cost as shown below.

**12" Aggregate Surface Course, Type A for driveways and field access roads \$6,720.08**

Providing and installing the 12" Aggregate surface course, type A for the field access/driveway at roughly station 628+00 due to the seepage berm earthwork in this area expanding over the existing access road. These dimensions were accepted in RFI # 42. This pay item was previously added under Change Order 10, this revision will increase the quantity and cost.

**Piezometer 239L Abandonment & Install New Piezometer \$9,750.00**

Existing PZ 239L is within a seepage berm and is kinked, slightly tilted and concrete cracked. A transducer will not fit into the existing piezometer to bring it up with the berm. It is proposed that PZ 239L be abandonment and a new piezometer be installed.

Mr. Etwert requested that the Chief Supervisor be authorized to approve BP #6 - Change Order 20 – Existing Piezometer P37, 12" Aggregate Surface Course, Type A for driveways and field access roads, and Piezometer 239L Abandonment & Install New Piezometer with Lane Construction at a cost not to exceed 17,910.08.

Mr. Conrad asked for a motion to accept the recommendation on the change order. A motion was made by Mr. Bergkoetter with a second by Mr. Brinkman to authorize the Chief Supervisor to approve BP #6 - Change Order 20 – Existing Piezometer P37, 12" Aggregate Surface Course, Type A for driveways and field access roads, and Piezometer 239L Abandonment & Install New Piezometer with Lane Construction at a cost not to exceed 17,910.08.

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

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

The motion was approved unanimously.



**Selection of Contractor for Construction Package #7B – Construction of the Lower Wood River Deep (100 ft. – 140 ft. in depth) Cutoff Wall, Clay Cap, Piezometers, Relief Wells and Inclinometers in the Wood River District**

Mr. Omvig explained that this was a rebid of the Lower Wood River Deep Cutoff Wall.

An advertisement for bid was published in the following newspapers the week of March 15, 2015: the St. Louis Post Dispatch, Edwardsville Intelligencer, Belleville News Democrat, and the Republic Times.

A pre-bid meeting was held on Wednesday, April 1, 2015 at the council offices. The meeting was attended by 29 individuals, including Amec Foster Wheeler staff.

On May 6, 2015, bids were received from two (2) companies and read aloud. Results are as follows:

TREVIICOS South Corporation in the amount of:	\$13,991,000.00
Brasfond USA Corporation in the amount of:	\$14,793,622.80

The Engineer's estimate was \$14,559,583.00.

The apparent low bid was TREVIICOS South Corporation from Charlestown, Massachusetts. Due to the specialty nature of this work, none of the bidders were local; however, each bidder has included a list of subcontractors, some of which are well known local companies. Brasfond USA Corporation is from Wooster, Ohio.

There was brief discussion regarding the previous bids which were as follows:

Kiewit Infrastructure Corporation in the amount of:	\$10,613,400.00
Brasfond USA Corporation in the amount of:	\$13,706,683.00
TREVIICOS Corporation in the amount of:	\$14,895,852.00

Amec Foster Wheeler reviewed/confirmed the following:

- prequalification status as stated on the bid form
- addendums were acknowledged
- arithmetic on the schedule of values
- bid form was signed and attested
- bid bond
- schedules provided
- references
- utilization of M/D/WBE subcontractors
- qualifications of each both cutoff wall contractors
- resumes of key construction personnel

Amec Foster Wheeler further reviewed the specifications, bonding requirements, QA/QC material testing procedures and payment procedures to verify the FPD Council is protected

during construction and quality construction is provided.

The high bidder, Brasfond USA, was \$802,085.62 (6%) higher than the low bidder, TREVIICOS South, Inc. Amec Foster Wheeler reviewed the bids for the primary differences between the three bidders; the prices for the bid items varied between bidders, but the major variations were:

<b>Line Item</b>	<b>Description</b>	<b>Difference Between Low Bid and Next Highest Bid</b>
0002	Bonds & Insurance	\$139,358.20
0011	Cement Bentonite Slurry Trench Cutoff Wall (80+ ft.)	\$619,097.80
0013	Geotechnical Instrumentation Installation	\$190,914.02

Neither of the bidders met the full requirement of the specification with respect to previous cutoff wall project experience and/or resume qualifications for the Slurry Trench Specialist (STS) and/or the Project Field Superintendent (PFS). This extremely stringent specification requirement was imposed to ensure that only the most qualified construction firms would bid this important specialty work; each firm that bid was very close in meeting the quantity, years of experience, and previous project details that were required in the project specifications. Given the specialty nature of this work, and the demonstrated competence of the contractors who bid this project, the intent of the specification, with respect to previous cutoff wall project experience, STS experience, and PFS experience, has been fulfilled.

TREVIICOS South Corporation has proposed to use Wissehr Electric in Belleville, IL for electrical line work; Wissehr is an MBE, certified with IDOT. TREVIICOS South Corporation has proposed to use Brewster Companies in Maryville, IL for landscaping and environmental work; Brewster is an MBE, certified with IDOT. TREVIICOS South Corporation has also indicated on their MBE Utilization Statement that A Strong Hauling, LLC (Waterloo, IL) and D.W. Mertzke Trucking (Troy, IL) trucking/hauling will be utilized; Both A Strong and D.W. Mertzke are an MBE, certified with IDOT.

TREVIICOS South Corporation's schedule shows a completion date of May 1, 2016 and the specification references completion by the same date. Additionally, their schedule shows a completion date for the cutoff wall, clay cap and relief wells by December 18, 2015. With cooperative weather and river levels, Amec Foster Wheeler has no reason to believe these dates will not be met.

Based on their review, Amec Foster Wheeler concludes that TREVIICOS South Corporation is qualified to perform the work and, therefore, recommends that the FPD Council selects this company to perform the construction of Bid Package 7B.

Brasfond's schedule of values contained arithmetic errors. The stated sum on Brasfond's schedule of values is \$14,793,622.80; however, the product of the Estimated Quantity and the each respective unit price sums to \$14,793,085.62. By correcting Brasfond's arithmetic, the

Brasfond bid actually totals \$537.18 lower than that read aloud at the bid opening. This error is believed to be a result of Brasfond using a spreadsheet program to back-calculate their unit costs and, therefore, the unit costs were calculated out past the hundredth of a dollar. Since Brasfond was the high bidder, this discrepancy was not discussed with Brasfond, as rectifying it would not have changed the result of this recommendation.

Mr. Omvig also pointed out two items in the Bid Tab Summary which was provided with the agenda package. They were Item 0024 – Cost to Execute Olin’s Temporary License and Item 0025 Cost to Obtain Insurance Required by Olin, which caused consternation with the previous selected contractor. The recommended bidder had zero costs for these items and the second place bidder had \$84,859.80 to execute Olin’s temporary license and \$161,233.63 to obtain insurance required by Olin.

There was a brief discussion regarding the Olin license, insurance, and utility protection conditions. All of these conditions were in the bid and were discussed with all bidders at the pre-bid meeting in order that each bidder could bid according.

Amec Foster Wheeler recommended the Chief Supervisor be authorized to execute a \$13,991,000.00 contract with TREVIICOS South Corporation to perform construction of Bid Package 7B with a total cost not to exceed \$15,390,100.00 (\$13,991,000.00. plus a 10% contingency).

A motion was made by Mr. Parks, seconded by Mr. Pennekamp, to authorize the Chief Supervisor to request approval of the County Boards of St. Clair, Madison and Monroe counties and subject to their approval, enter into a contract with TREVIICOS South Corporation to perform construction of Bid Package 7B with a total cost not to exceed \$15,390,100.00 (\$13,991,000.00. plus a 10% contingency). Mr. Maher called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

## **Bond Financing Schedule**

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

Mr. Etwert indicated, as mention in the Program Status Report, that Mr. Jeff White of Columbia Capital Management was in attendance to present a proposed bond financing schedule (a copy was included in the agenda package) for the Board's consideration. In addition, Mr. White would also be presenting the results of Columbia Capital's Request For Qualifications (RFQ) for bond and disclosure counsel services on financing of 500-year flood protection improvements. A copy summarizing the results was provided to the Board.

Mr. White first went over the bond financing calendar, which was put together after meeting with Amec Foster Wheeler and Mr. Etwert last month. It reflects the earliest schedule once the cost and scope of 500-year improvements are determined for the Board's consideration. The schedule is the quickest but is very flexible. It's a balance of understanding of when and how much money is needed for the improvements and not borrowing too much.

We currently have historic low interest rate and it has been a great time to be in the bond market. There is talk of the feds increasing interest rates as the economy improves. It seems that investors are just waiting for a trigger to start asking for more yield on bonds. We want to be very cognizant of this situation, so we can access the market at the best possible time.

He indicated that next month, he would be back with a formal resolution authorizing the staff, counsel and consultants to officially begin work on financing including drafting documents, engaging rating agencies, and soliciting proposals from bond underwriters.

Request for proposals (RFPs) would be sent out to underwriters in July, with the Board approving an underwriting team at the August meeting. He indicated that based on current market conditions, a dozen proposals could be received for underwriting.

In October, depending on the work of Amec Foster Wheeler, there could potentially be a parameters resolution authorizing the financing. This would effectively authorize the moving ahead with the financing subject to a limit on the amount that can be borrowed, subject to a limit on the interest rate, and probably delegating to a small subset of the Board the authority to sign off that these conditions have been met when we get in the market. Working with a three member subset allows being in the market between Board meetings and it's more convenient to get three member vs the whole Board together. This is an approach that Columbia Capital has used in the past, which has worked well. If the Board isn't comfortable with this approach, a different way can be used.

The earliest that financing could take place is November, with a small window in December, but a decent chance after the first of the year, while balancing not borrowing too soon, but also making sure that a favorable markets are not getting away.

It was asked if the rating agencies were taking notice that this would be in the state of Illinois, to which Mr. White responded that the rating agencies would not be particularly concerned because the Council doesn't have a lot of employees or pension exposure. Every Illinois issuer is suffering from being in Illinois these days. This credit will be seen as the market is stronger, in some respects, as it is sales tax based rather than a general obligation type of credit, which, in Illinois, is seen as a weaker than a revenue driven credit. This something that Columbia Capital and the underwriters will have to work with while marketing the transaction to investors. Describing how we are in Illinois but we really aren't and how we are different from the problems going on the Chicago metro. He felt they would be successful in differentiating this credit from others in the state.

Next, it was asked if there was an IRS rule that said we shouldn't go out earlier than what we are anticipating, to which, Mr. White responded, that there needs to be an expectation that we are going to commit to expend five percent of the funds with six months. Commitment means contracts and those kind of things. This is something that will have to be balanced out with the engineers, to make sure that we aren't getting too far out. Other rules which apply to how quickly the money is spent relate to arbitrage which won't be a problem with this issue. We need to make sure that the funds are not going to sit for a full year.

Mr. Maher encouraged Columbia Capital to move as quickly as possible, to which, Mr. White indicated that they would be ready to move from a transactional standpoint late this fall.

Next, Mr. White discussed the Request for Qualifications (RFQ) for bond and disclosure counsel services on financing to benefit 500-year flood protection improvements.

He explained the roles of the bond counsel and the disclosure counsel. The bond counsel's role is to give an opinion that says that the bonds that are being issued are legally authorized under state law and any local requirement and give the opinion that investors can rely on that the interest income on the bonds is exempt from federal income tax and depending on our issuer potentially from Illinois income tax. Bond Counsel is the primary transaction attorney for the bond transaction itself.

Disclosure counsel is a new role for the Council. Previously, the Council used an approach that was historically used, where the underwriter's lawyers would do the bond official statement. The official statement is an analog to a prospectus, it's the document that goes to investors that tells them who you are, what you are offering and what your financial condition is. There has been a trend in recent years to have the disclosure counsel work for the issuer of the bonds rather than working for the underwriter of the bonds. Mr. White thought this was a great practice having the lawyer work for the issuer instead of the underwriter.

He recommended that the Council engage one party or two parties to serve roles of bond counsel and disclosure counsel.

Mr. White then went over the responses to the request for qualifications and provided the following information to the Board.

Summary of Proposals:

The table below identifies the key attorneys that would be active on the Council’s financing and their roles.

	Chapman	Gilmore	Thompson
Bond Counsel	Erin Bartholomy (Chicago)	Sean Flynn Claire Halpern Rick Wright (Edwardsville & St. Louis)	Sara Kotthoff (St. Louis)
Disclosure Counsel	Kyle Harding (Chicago)	Flynn, Halpern, Wright (Kansas City)	Sara Kotthoff (St. Louis)
Tax Counsel	David Cholst (Chicago)	Marc McCarty (Kansas City)	Henry Bettendorf (St. Louis)

The table below identifies the fee quotation presented by each firm in its response to our RFQ. Each proposal contemplates concurrent issuances of both parity bonds and subordinate lien bonds.

Firm	Bond Counsel	Disclosure Counsel	Total Fees	Expenses
Chapman and Cutler	\$95,000	\$50,000	\$145,000	As incurred
Gilmore & Bell	\$170,000	\$75,000	\$245,000	As incurred
ThompsonCoburn	\$130,000	Combined in bond counsel fee	\$130,000	As incurred, capped at \$1,500

Notes: all proposals assume two series of bonds, parity and subordinate, issued concurrently and sold to the public, totaling approximately \$70 million. Chapman and Gilmore proposed project-based fees which could increase or decrease depending upon the size of the financial financing. Thompson proposed estimated aggregated hourly-based fees with the ability to finalize a fixed fee amount as the transactions progressed and the final plan of finance was known.

Columbia Capital has worked with each of the firms, they are all qualified to perform the work and would do a great job. It was noted that Chapman and Cutler does serve as council to SWIDA on the issuance of bonds.

Mr. White was asked to again state the location of each firm and what Thompson Coburn fee would be for disclosure counsel if separated from their combined fee. Mr. White stated the [c1] location of each firm and indicated that Thompson Coburn’s fee for disclosure counsel would be in the \$50,000 range.

Mr. Dunstan indicated that he would prefer that a firm that was more local be selected. It was noted that Thompson Coburn was from St. Louis, which was close.

A copy of Columbia Capital's summary of responses to the request for proposals was provided to each Board member.

Mr. Conrad asked for a motion to accept the proposed bond financing schedule presented by Columbia Capital. A motion was made by Mr. Maher with a second by Mr. Brinkman to accept the proposed bond financing schedule presented by Columbia Capital.

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

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

The motion was approved unanimously.

Mr. Conrad asked for a motion to select Thompson Coburn for the bond counsel and bond disclosure services on financing to benefit 500-year flood protection improvements.

Upon request by Mr. Parks, Mr. Etwert indicated his selection recommendation of Thompson Coburn. A motion was made by Mr. Parks with a second by Mr. Maher to select Thompson Coburn for the bond counsel and bond disclosure services on financing to benefit 500-year flood protection improvements.

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

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

The motion was approved unanimously.

## **Corps of Engineers Update**

Mr. Conrad asked Ms. Kelsey to provide the report from the Corps.

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

### Reconstruction Projects:

East Alton Pump Station No. 1 - Repairs are nearing completion

East Alton #2 – Completed Tuck Pointing

Chain of Rocks Pump Station – Complete, functioning at authorized level, with O & M Manuals and As-Builts being prepared

### Upcoming Projects:

Mel Price IRRM Relief Wells – Currently working on executing a contract for installation of additional and replacement relief wells

Wood River Upper Shallow Cutoff Wall – Areas remaining to be constructed, where design is complete and ready to go forward with bidding. Dependent on cost share understanding. Would complete the Upper Wood River area.

Wood River Lower Deep Cutoff Wall – Area remaining to be constructed after BP #7B is constructed. Corps currently looking at effect of BP #7B on its design, hope to complete in June and then continue the final design.

East St. Louis (MESD) Deep Cutoff Wall – Currently reviewing the effects of the 100-year construction on design, hope to complete in August and then continue the final design.

She then provided an overview of the project and estimated costs in the East St. Louis and Wood River areas.



Overview of Projects:

East St. Louis:

Total Cost Shared Project Cost = \$133.3 M

Federal Cost 65% = \$86.6M

Non-Federal Cost minimum of 35% = \$46.7M

Cash Requirement 5% of TPC = \$6.7M

LERRDS = \$3.7M

Work in Kind Credit limited to 30% = \$36.3M

Design Pending FPD

Construction Pending FPD

Total Cost Shared Project Cost does not include any costs for HTRW (hazardous waste costs) that might be encountered. These are the responsibility of the non-federal sponsor.

Wood River:

Total Cost Shared Project Cost = \$51.9 M

Federal Cost 65% = \$33.7M

Non-Federal Cost minimum of 35% = \$18.2M

Cash Requirement 5% of TPC = \$2.6M

LERRDS = \$2.5M

Work in Kind Credit limited to 30% = \$12.9M

Design Pending FPD

Construction Pending FPD

There was a brief discussion between Mr. Ronald S. Kaempfe, IUOE Local 520, and the Corps concerning a contractor on the Corps list of qualified contractors, not fulfilling the obligation that they have on a job. He expressed his negative experience when contacting the Corps St. Louis office compared to his positive experience when attending Council meetings.

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

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

The motion was approved unanimously.

**Public Comment**

Mr. Conrad asked if there is any public comment.

Mr. Conrad asked to convene an executive session to address litigation and real estate matters.

Mr. Pennekamp made a motion at 8:34 am to convene a closed session under Open Meetings Act 5 ILCS 120.2 for the purpose of discussing the litigation. The motion was seconded by Mr. Parks. Mr. Etwert indicated that all Board members and County Chairs should be present, along with David Human, Ken Slavens, Jon Omvig, Jay Martin, Matt Barriger and Joe Parente. Mr. Maher called the roll and the following votes were made on the motion

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

The motion was approved unanimously.

Mr. Motil made a motion to adjourn the executive session at 9:01 am and to go back into public session. Mr. Maher seconded the motion. Mr. Maher called the roll and the following votes were made on the motion:

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

Mr. Conrad called the meeting to order.

#### **Other Business**

There was no other business.

#### **Adjournment**

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

Respectfully submitted,

Dan Maher,  
Secretary/Treasurer, Board of Directors





amec  
foster  
wheeler

Progress Report  
May 20, 2015

Southwestern Illinois  
Levee Systems

By Jay Martin



## Construction Status



- ▶ Bid Package 2A – Fish Lake Pump Stations
  - ▶ The project is complete and the retainage has been released
  - ▶ Amec Foster Wheeler developing record document
  
- ▶ Bid Package 2B – WR/MESD/PdP Pump Stations
  - ▶ The project is complete
  - ▶ Retainage will not be fully released until establishment of turf
  - ▶ Modification to construct guardrail at Site 12 remains
  - ▶ Amec Foster Wheeler developing record documents
  
- ▶ Bid Package 2C – Site 12 Pump Station Force Mains (MESD)
  - ▶ Work on this site will not begin until October 15 to comply with 33 U.S.C 408 (Section 408 alteration permit).
  - ▶ The NTP was issued in March.
  - ▶ The contractor is working on submittals



## Construction Status

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### ► Bid Package 3 – Wood River Seepage Improvements

- ▶ Critical Delay: Union Pacific RR land acquisition has impacted mobilization to Blanket Drain 6, Seepage Berms 1-4 & Random Fill Areas 1 & 2
- ▶ Design revisions to Blanket Drain 4 pending. Construction cost impacts will be submitted when available
- ▶ Piezometer installation continues - 39 of 51 piezometers complete. Concrete seals and bollards also being installed
- ▶ Relief well drilling continues - 8 of 85 relief wells have been completed
- ▶ Blanket Drain 1 – Set to begin this month
- ▶ Blanket Drain 2 – Set to begin this month
- ▶ Weir 1 – Complete
- ▶ Pilot hole work for Relief Wells has begun at IL RT3 and Hawthorne
- ▶ Substantial Completion walkthrough of Blanket Drain 3, Blanket Drain 5, and Indian Creek was completed on May 13

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3



## Construction Status

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### ► Bid Package 4 – MESD Seepage Improvements (Conoco Phillips)

- ▶ Relief well drilling complete
- ▶ Site 09 Pump Station structures and electrical complete
- ▶ Ameren to connect existing Phillips Reach Pump Station and Site 09 Pump Station in mid May
- ▶ Ductile Iron Force Mains complete. Backfill ongoing
- ▶ Clay Cap and Random Fill work will begin May/June

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4



## Construction Status

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- ▶ Bid Package 5 – MESD Seepage Improvements
  - ▶ Relief well drilling complete.
  - ▶ Relief well collector systems in Cahokia complete. Deflection testing remains.
  - ▶ Relief well manholes/laterals at Venice Pump Station in progress.
  - ▶ Piezometer installation complete. Transducers to be installed.
  - ▶ Clay Cap and Random Fill work will begin May/June.
  - ▶ Sluice Gate rehabilitation at MoPAC scheduled for completion in August 2015.

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5



## Construction Status

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- ▶ Bid Package 6 – Prairie du Pont / Fish Lake Seepage Improvements
  - ▶ Relief well drilling continues - 64 of 67 RWs have been drilled.
  - ▶ Piezometer installation continues - 15 of 16 PZs complete.
  - ▶ Sluice Gate rehabilitation/replacement complete.
  - ▶ Lining of the triple 84" culverts at Palmer Creek Pump Station complete.
  - ▶ Relief well collector system ~60% Complete
  - ▶ Seepage Berms ~90% Complete
  - ▶ Clay Caps ~60% Complete

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6



## Construction Status

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- ▶ Bid Package 7A – Wood River Upper (Shallow) Cutoff Wall
  - ▶ A substantial completion walkthrough and Final Inspection will be scheduled in the near future.
  - ▶ Contractor is demobilizing equipment.

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7



## Construction Status

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- ▶ Bid Package 7B – Wood River Lower (Deep) Cutoff Wall
  - ▶ Two bids were submitted May 6:
    - ▶ TREVICOS South Corporation: \$13,991,000.00
    - ▶ Brasfond USA Corporation: \$14,793,622.80
    - ▶ Engineer's Estimate: \$14,559,583.00
  - ▶ TREVICOS is the apparent low bidder. Recommend approval of their proposal.
  - ▶ Anticipate June 1, 2015 Notice-to-Proceed.
  - ▶ Mobilization Mid July 2015.
  - ▶ Cutoff Wall Scheduled to be complete by end of 2015.
  - ▶ Remaining work to be complete May 1, 2016

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8



## Bid Package 3 – Wood River



## Bid Package 3 – Wood River



## Bid Package 4 – MESD at Conoco Phillips



Site 09  
Pump Station  
Force Main  
Casing



11

## Bid Package 5 - MESD



Pouring D-Type Relief  
Well Seals & Slabs



12

## Bid Package 6 – Prairie du Pont / Fish Lake



## Bid Package 7A – Wood River







## Land Acquisition

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- ▶ Union Pacific
  - ▶ Has caused critical delay in Bid Package 3, impacting Lower Wood River Certification dates
  - ▶ As of May 14, 2015, UP and FPD Council have formed an agreement
  - ▶ Awaiting final signatures, then construction can proceed on railroad Right-of-Way

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15



## FEMA Certification Update

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- ▶ Upper Wood River
  - ▶ Pending completion of Blanket Drain #2 & 17 relief wells in Bid Package 3
  - ▶ USACE will certify to FEMA (due to Mel Price seepage area).
  - ▶ Amec Foster Wheeler to submit documentation to USACE in July 2015.
  - ▶ USACE submits documentation to FEMA approximately 3-4 months after July 2015.
  
- ▶ Lower Wood River
  - ▶ Certification is pending completion of BP3 & BP7B.
  - ▶ Submit to FEMA Middle of 2016
  
- ▶ Wood River East & West Forks
  - ▶ Certification is pending IDNR Approval of Interior Drainage Analysis
  - ▶ Submit to FEMA Fall 2015

---

16



## FEMA Certification Update

- ▶ **MESD**
  - ▶ Pending completion of Bid Packages 2B, 4, & 5.
  - ▶ Pending resolution of Chain of Rocks documentation with USACE.
  
- ▶ **Prairie du Pont & Fish Lake**
  - ▶ Pending completion of Bid Packages 2B & 6.
  - ▶ Submit to FEMA by end of 2015.

17



## Authorized Level (500-Year) Planning

**USACE**  
**Reach-by-Reach Analysis**

- Rank levee reaches by factor of safety
- Based on prior LRR work
- Include FEMA improvements

In progress



**Integral Determination Report (IDR)**

- Determines work that will be recognized as part of Authorized Level Plan

**Amec Foster Wheeler**  
**Reach-by-Reach Analysis**

- Review USACE ranking recommendations
- Develop Construction Cost Estimates by reach
- Develop plan to maximize safety for Council's available funds

In progress



18

## Authorized Level (500-Year) Planning



### Authorized Level Design

- Site visits
- Drilling
- Lab Analyses
- Survey
- Design
- Plans & Specifications
- Permitting



### Land Acquisition

- Complete Prior to going out to bid



### Project Partnership Agreement

- Identifies work eligible for Work-In-Kind credit towards future projects



### Bidding & Construction of Authorized Level Improvements

19

## Authorized Level (500-Year) Design



### 1) Reach-by-Reach Analysis

- ▶ Wood River and MESD - Five reaches along each system are being reviewed by USACE against FEMA improvements (complete in early August 2015)
- ▶ Prairie du Pont & Fish Lake being reviewed by USACE against FEMA improvements (complete July 15, 2015)

### 2) Integral Determination Report (IDR)

- ▶ Wood River and MESD - Draft Received May 13, 2014; approval Sept. 2015
- ▶ PdP/FL Draft planned for January 2016

20

## Authorized Level (500-Year) Design



### 3) Project Partnership Agreement (PPA)

- ▶ Wood River – Existing PPA needs amended to include Work-In-Kind, & accelerated and advance funding. Amended PPA issued one year after IDR is approved.
- ▶ MESD – Existing PPA needs amended to include Work-In-Kind and accelerated funding. Amended PPA issued one year after IDR is approved.
- ▶ Prairie du Pont/Fish Lake – End of 2016 (*estimate*)

Bi-weekly meeting with USACE are working to develop:

- ▶ Schedules
- ▶ Work split between FPD Council and USACE
- ▶ Costs to the FPD Council (Work-In-Kind Credit & Cash)

21

Questions?

22







Jeff White  
Principal  
913.312.8077  
[jwhite@columbiacapital.com](mailto:jwhite@columbiacapital.com)

## MEMORANDUM

0 5 . 1 7 . 1 5

Chuck Ewert  
Southwestern Illinois FPD Council

The purpose of this memorandum is to summarize the responses to a request for qualifications (RFQ) we distributed on behalf of the Council for bond and disclosure counsel services on a financing to benefit 500-year flood protection improvements. Responses were due mid-afternoon, Monday, May 17.

### BACKGROUND

We recently sent by email an RFQ for bond/disclosure counsel services to three firms with active public finance practices in southwestern Illinois and in the St. Louis metro area: Chapman and Cutler LLP; Gilmore & Bell, P.C. and Thompson Coburn. The first two were involved in the Council's 2010 Bond offering, Chapman as bond counsel to the Council and issuer's council to SWIDA and Gilmore & Bell as underwriters' and disclosure counsel. Chapman is based in Chicago, while Gilmore & Bell and Thompson Coburn both have local offices (Edwardsville/St. Louis and St. Louis, respectively).

### QUALIFICATIONS

In our opinion, each firm is qualified to serve the Council on its planned financing. Each has extensive experience in the public finance area, generally, and each also has significant experience providing opinions on similar financings (levee districts, sales tax-backed bonds, etc.).

Each firm has a significant depth of in-house abilities, including in the area of tax. With tax-exempt financings, tax questions inevitably arise making access to bond counsel's in-house tax team important.

Each firm also has significant experience developing disclosure documents (preliminary official statement, official statement) for municipal bond issues. The importance of this role has grown in recent years with increasing US Securities and Exchange Act scrutiny on issuers' disclosure practices.

We regularly work with each firm and have a great deal of confidence in the abilities of all three.

### OTHER RELATIONSHIPS

Chapman serves as issuer's counsel to SWIDA on all of its financings. Presuming the Council once again uses SWIDA to issue its planned bond transactions, we expect that Chapman would continue in this role. In order to keep these proposals comparable,

Chapman's fee for its SWIDA issuer's counsel work *is not included* in the table on the next page. If selected, Chapman would potentially serve in three capacities: council to SWIDA on the issuance of the bonds; bond counsel to the Council and disclosure counsel to the Council. Chapman served as both issuers' counsel and bond counsel on the 2010 Bonds.

### SUMMARY OF PROPOSALS

The table below identifies the key attorneys that would be active on the Council's financing and their roles.

	Chapman	Gilmore	Thompson
<b>Bond Counsel</b>	Erin Bartholomy (Chicago)	Sean Flynn Claire Halpern Rick Wright (Edwardsville & St. Louis)	Sara Kotthoff (St. Louis)
<b>Disclosure Counsel</b>	Kyle Harding (Chicago)	Flynn, Halpern, Wright (Kansas City)	Sara Kotthoff (St. Louis)
<b>Tax Counsel</b>	David Cholst (Chicago)	Marc McCarty (Kansas City)	Henry Bettendorf (St. Louis)

The table below identifies the fee quotation presented by each firm in its response to our RFQ. Each proposal contemplates concurrent issuances of both parity bonds and subordinate lien bonds.

Firm	Bond Counsel	Disclosure Counsel	Total Fees	Expenses
<b>Chapman and Cutler</b>	\$95,000	\$50,000	<b>\$145,000</b>	As incurred
<b>Gilmore &amp; Bell</b>	\$170,000	\$75,000	<b>\$245,000</b>	As incurred
<b>Thompson Coburn</b>	\$130,000	Combined in bond counsel fee	<b>\$130,000</b>	As incurred, capped at \$1,500

**Notes:** all proposals assume two series of bonds, parity and subordinate, issued concurrently and sold to the public, totaling approximately \$70 million. Chapman and Gilmore proposed project-based fees which could increase or decrease depending upon the size of the financial financing. Thompson proposed estimated aggregated hourly-based fees with the ability to finalize a fixed fee amount as the transactions progressed and the final plan of finance was known.

### COUNCIL ACTION REQUESTED

The Council may select one firm to serve both bond and disclosure counsel roles, or to separate the roles. We would appreciate the Board's direction on a selection as soon as possible to facilitate early planning and preparation work on the planned financing.

Please let me know if you have any questions or concerns.

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

## Metro East Projects, IL

### East Alton Pump Station No. 1 Reconstruction



BUILDING STRONG®

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St. Louis District  
1222 Spruce Street  
St. Louis, MO 63103-2833

## Metro East Projects, IL

### Typical Pump Station Reconstruction

### East Alton #2



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1222 Spruce Street  
St. Louis, MO 63103-2833

## Metro East Projects, IL

Typical Pump  
Station  
Reconstruction

East Alton #2



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St. Louis, MO 63103-2833

## Metro East Projects, IL

Chain of Rocks  
Pump Station



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St. Louis, MO 63103-2833

### Metro East Projects, IL

Mel Price  
IRRM Relief  
Wells



Google

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### Metro East Projects, IL



Google

Wood River Upper Shallow Cut Off Wall

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1222 Spruce Street  
St. Louis, MO 63103-2833

### Metro East Projects, IL



Wood River Lower Deep Cut Off Wall

**BUILDING STRONG®**

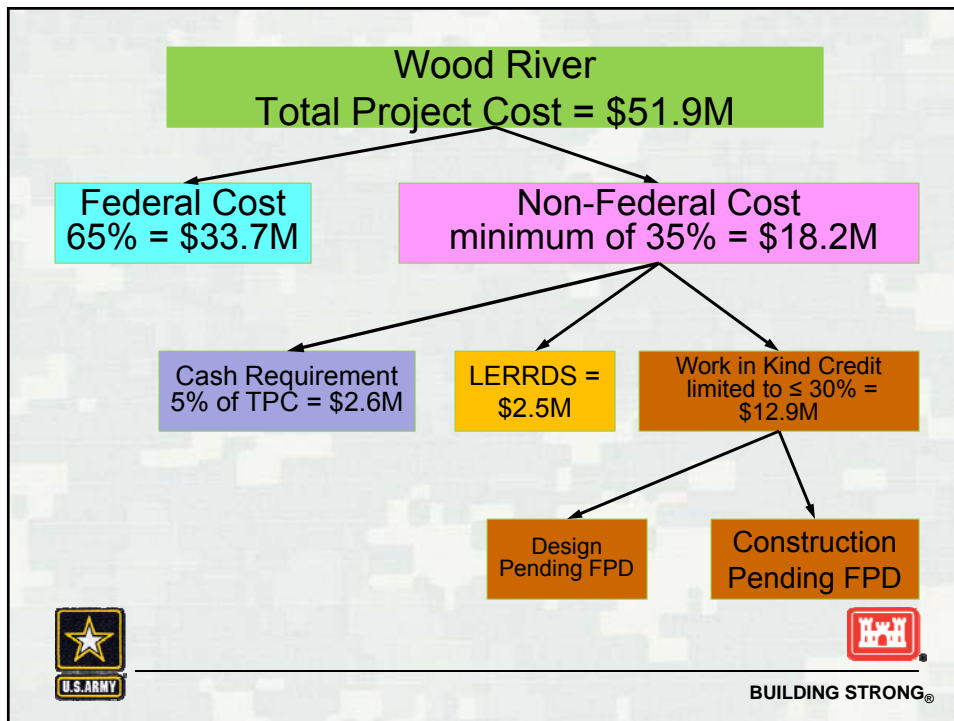
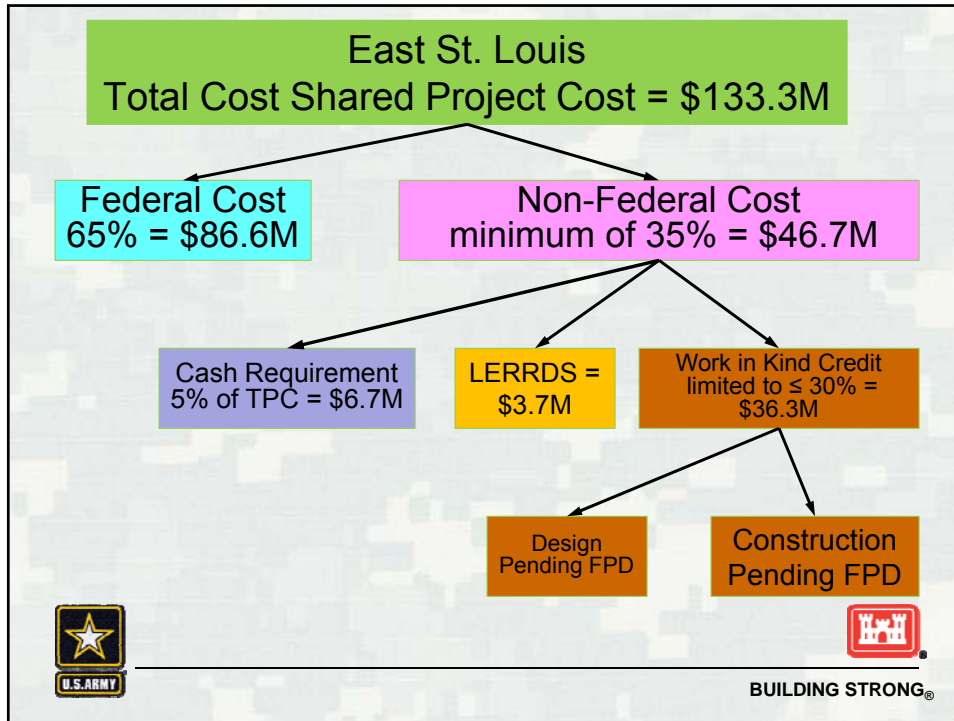
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St. Louis, MO 63103-2833

### Metro East Projects, IL



East St. Louis (MESD)

**BUILDING STRONG®**









Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for June 2015  
Date: June 15, 2015

I am pleased to announce that the easements required from Union Pacific have been obtained. This completes the acquisition of all permanent easements required for the 100-Year Protection Level Projects. We are also completing the process of obtaining some temporary easement extensions where construction has taken longer than originally anticipated.

Approximately 73% of the \$47.1 million of construction, involved in the eight current construction bid packages (not including BP 7B), has been completed thru May. With 1.9 million dollars' worth of construction completed in May, the total amount of construction completed is now \$34.5 million. There has been high river conditions for the last three weeks which has slowed construction.

We have two change orders on this month's agenda, involving Bid Package #6. Amec Foster Wheeler will be explaining them at the meeting.

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

A pre-construction meeting is being held with representatives of TREVIICOS today.

Mr. Jeff White of Columbia Capital Management will be at this month's meeting to discuss the bond financing resolution on which was indicated on the schedule he presented at last month's meeting.

As I indicated to you in an e-mail last week, Senator Durbin's office has indicated that the Corps' St. Louis District would be accepting bids with a PLA, without a PLA, or both with any bid which includes a PLA receiving favorable weighting or "added credit" in the decision process. I have haven't heard any additional information on how this may work or how much the weighting factor would be. However, there still would be no guarantee of a PLA being utilized and funds would have to be committed prior to bidding.

There will be an executive session on litigation at the end of the meeting.

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



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

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## **Monthly Project Progress Report June 2015**

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AMEC FOSTER WHEELER Project No. 563170001  
Period Ending Date: June 5, 2015

*Date of Issue: June 12, 2015*

# Table of Contents

<b>1. OVERVIEW .....</b>	<b>4</b>
1.1 PROJECT DESCRIPTION .....	4
1.2 AMEC FOSTER WHEELER SCOPE .....	4
1.3 KEY CONTACTS / PEOPLE .....	4
<b>2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE) .....</b>	<b>5</b>
2.1 HSSE REPORTS .....	5
<b>3. PROJECT STATUS UPDATE .....</b>	<b>6</b>
3.1 BID PACKAGE 2A .....	6
3.1.1 Calendar .....	6
3.1.2 Progress .....	6
3.1.3 Property Acquisition.....	6
3.1.4 Levee Board Considerations .....	6
3.1.5 Submittals .....	6
3.1.6 Change Orders .....	6
3.1.7 Field Activities and Look Ahead .....	6
3.1.8 QC/QA Activities .....	6
3.1.9 Considerations .....	6
3.1.10 Payment Progress.....	6
3.2 BID PACKAGE 2B .....	7
3.2.1 Calendar .....	7
3.2.2 Progress .....	7
3.2.3 Property Acquisition – All property is acquired.....	7
3.2.4 Levee Board Considerations – None .....	7
3.2.5 Submittals .....	7
3.2.6 Change Orders – See Change Order Log attached .....	7
3.2.7 Field Activities and Look Ahead .....	7
3.2.8 QC/QA Activities .....	7
3.2.9 Considerations .....	7
3.2.10 Payment Progress.....	7
3.3 BID PACKAGE 2C .....	8
3.3.1 Calendar .....	8
3.3.2 Progress .....	8
3.3.3 Property Acquisition.....	8
3.3.4 Levee Board Considerations .....	8
3.3.5 Submittals .....	8
3.3.6 Change Orders .....	8
3.3.7 Field Activities and Look Ahead .....	8
3.3.8 QC/QA Activities .....	8
3.3.9 Considerations .....	8
3.3.10 Payment Progress.....	8
3.4 BID PACKAGE 3.....	9
3.4.1 Calendar .....	9
3.4.2 Progress .....	9
3.4.3 Property Acquisition.....	9
3.4.4 Levee Board Considerations .....	9
3.4.5 Submittals .....	9
3.4.6 Change Orders .....	9
3.4.7 Field Activities and Look Ahead .....	10
3.4.8 QC/QA Activities .....	10
3.4.9 Considerations .....	10
3.4.10 Payment Progress.....	10
3.5 BID PACKAGE 4.....	11
3.5.1 Calendar .....	11
3.5.2 Progress .....	11
3.5.3 Property Acquisition – All property is acquired.....	11

3.5.4	Levee Board Considerations .....	11
3.5.5	Submittals – on-going .....	11
3.5.6	Change Orders .....	11
3.5.7	Field Activities and Look Ahead .....	11
3.5.8	QC/QA Activities .....	11
3.5.9	Considerations .....	11
3.5.10	Payment Progress .....	11
3.6	BID PACKAGE 5 .....	12
3.6.1	Calendar .....	12
3.6.2	Progress .....	12
3.6.3	Property Acquisition .....	12
3.6.4	Levee Board Considerations .....	12
3.6.5	Submittals .....	12
3.6.6	Change Orders .....	12
3.6.7	Field Activities and Look Ahead .....	12
3.6.8	QC/QA Activities .....	12
3.6.9	Considerations .....	12
3.6.10	Payment Progress .....	12
3.7	BID PACKAGE 6 .....	13
3.7.1	Calendar .....	13
3.7.2	Progress .....	13
3.7.3	Property Acquisition .....	13
3.7.4	Levee Board Considerations - None .....	13
3.7.5	Submittals – on-going .....	13
3.7.6	Change Orders – See Change Order Log attached .....	13
3.7.7	Field Activities and Look Ahead – See table above .....	13
3.7.8	QC/QA Activities - ABNA is testing material; Geotechnology performing QA testing .....	13
3.7.9	Considerations - None .....	13
3.7.10	Payment Progress - See Contract Invoice Log attached .....	13
3.8	BID PACKAGE 7A .....	14
3.8.1	Calendar .....	14
3.8.2	Progress .....	14
	• This project is substantially complete. Retainage has not been fully released .....	14
	• Contractor is completing remaining punch list items and as-builts .....	14
3.8.3	Property Acquisition – Not applicable .....	14
3.8.4	Levee Board Considerations - None .....	14
3.8.5	Submittals – on-going .....	14
3.8.6	Change Orders - None .....	14
3.8.7	Field Activities and Look Ahead .....	14
3.8.8	QC/QA Activities – on-going .....	14
3.8.9	Considerations - None .....	14
3.8.10	Payment Progress – See Contract Invoice Log attached .....	14
3.9	BID PACKAGE 7B .....	15
3.9.1	Calendar .....	15
3.9.2	Progress .....	15
	TREVIICOS received Notice-to-Proceed June 9, 2015 .....	15
	Pre-Construction Meeting scheduled for June 15, 2015 .....	15
	Mobilization is expected in mid July 2015 .....	15
	Cutoff Wall Scheduled to be complete by end of 2015 .....	15
	Remaining work to be complete May 1, 2016 .....	15
3.9.3	Property Acquisition .....	15
3.9.4	Levee Board Considerations .....	15
3.9.5	Submittals – Once contract is signed .....	15
3.9.6	Change Orders - None .....	15
3.9.7	Field Activities and Look Ahead .....	15
3.9.8	QC/QA Activities .....	15
3.9.9	Considerations .....	15
3.9.10	Payment Progress - None .....	15

## 1. OVERVIEW

### 1.1 Project Description

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

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

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

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

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

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

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

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

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

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

### 1.2 Amec Foster Wheeler Scope

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

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

### 1.3 Key Contacts / People

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

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

2.1 HSSE Reports

<b>Health/Safety</b>
<p>The Contractors continue to conduct daily toolbox safety talks.</p> <p>Amec Foster Wheeler continues to conduct monthly safety meetings with the contractors every third Tuesday.</p>
<b>Security</b>
<p>No issues during this reporting period.</p>
<b>Environment (SWPPP)</b>
<p>An Amec Foster Wheeler environmental representative is inspecting the SWPPP efforts on a weekly basis.</p>

### 3. PROJECT STATUS UPDATE

#### 3.1 Bid Package 2A

##### 3.1.1 Calendar

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

##### 3.1.2 Progress

- Pump Station 1 construction contractor is complete.
- Amec Foster Wheeler preparing documents for USACE.

##### 3.1.3 Property Acquisition

- The construction portion of the project is complete.

##### 3.1.4 Levee Board Considerations

- None

##### 3.1.5 Submittals

- Contractor submittals complete.

##### 3.1.6 Change Orders

- See Change Order Log attached.

##### 3.1.7 Field Activities and Look Ahead

- The construction portion of the project is complete.

##### 3.1.8 QC/QA Activities

- The construction portion of the project is complete.

##### 3.1.9 Considerations

- The construction portion of the project is complete.

##### 3.1.10 Payment Progress

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



## 3.2 Bid Package 2B

### 3.2.1 Calendar

Bid Date:	October 1, 2013
Contract executed	December 16, 2013
Schedule received	December 17, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 24, 2014
Anticipated completion date	<i>April 15, 2015 (Contract Completion Date)</i>
Final Walk Through	April 15, 2015 (not complete, continuing punch list items)
Final Acceptance	

### 3.2.2 Progress

ID	Description	Target	Actual	Comments
A	Construct Site 10 Pump Station	April 2015	99%	The construction portion of the project is complete. Close-out paperwork being processed.
B	Construct Site 16 Pump Station	April 2015	99%	The construction portion of the project is complete. Close-out paperwork being processed.
C	Construct Site 5 Pump Station	April 2015	99%	The construction portion of the project is complete. Close-out paperwork being processed.
D	Construct Site 12 Pump Station	April 2015	99%	The construction portion of the project is complete. Close-out paperwork being processed. Handrail change order remaining.
E	Construct Site 15 Pump Station	April 2015	99%	The construction portion of the project is complete. Close-out paperwork being processed.

3.2.3 Property Acquisition – All property is acquired.

3.2.4 Levee Board Considerations – None

3.2.5 Submittals

- Final project closeout submittals being reviewed by Amec.

3.2.6 Change Orders – See Change Order Log attached.

- Modification to construct guardrail at Site 12 remains.

3.2.7 Field Activities and Look Ahead

- Turf establishment is in progress (retainage held).

3.2.8 QC/QA Activities

- The construction portion of the project is complete, except for the change order.

3.2.9 Considerations

- None

3.2.10 Payment Progress

- See Contract Invoice Log attached.

### 3.3 Bid Package 2C

#### 3.3.1 Calendar

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

#### 3.3.2 Progress

1. The contract was executed on February 9, 2015.
2. The Notice-to-Proceed was issued on March 5, 2015
3. Contractor preparing submittals.
4. The site work cannot begin until October 15<sup>th</sup> per the 408 permit.

#### 3.3.3 Property Acquisition

- All property is acquired.

#### 3.3.4 Levee Board Considerations

- None

#### 3.3.5 Submittals

- AMEC reviewing submittals.

#### 3.3.6 Change Orders

- None

#### 3.3.7 Field Activities and Look Ahead

- None until October 15, 2015 per 408 permit.

#### 3.3.8 QC/QA Activities

- None

#### 3.3.9 Considerations

- None

#### 3.3.10 Payment Progress

- None

### 3.4 Bid Package 3

#### 3.4.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	Various field activities have started
Start of field activities	
Anticipated completion date	<i>This completion date is delayed due to design modifications and RR land acquisition.</i>
Final Walk Through	
Final Acceptance	

#### 3.4.2 Progress

- High River level has stopped all excavations since May 26, 2015, per the 408 permit.
- Union Pacific land acquisition is in progress and NTP was issued on June 10, 2015:
  - Blanket Drain 6, Seepage Berms 1-4, and random fill areas 1 & 2 can now begin.
- Blanket Drain 2 - Approved by the board in late February. Keller is installing as the river and weather allow.
- Blanket Drain 4 - Critical Delay - Amec Foster Wheeler Engineering revising the scope of work.
- Piezometer installation continues (43 out of 51 installed)
- Relief Wells - Critical Delay due to high river level. The Contractor installed two relief wells this period. (10 of 85 have been installed). Contractor plans to work 7 days a week, weather dependent.
- Blanket Drain 3, Blanket Drain 5 construction and Weir 1 - Substantial Completion on May 13, 2015.
- Contractor has begun Blanket Drain 7 installation.

#### 3.4.3 Property Acquisition

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

#### 3.4.4 Levee Board Considerations

- Critical Delay: The slow progress of land acquisition has critically affected the levee certification schedule. The delayed railroad acquisition affects: Blanket Drain 6, Seepage Berms 1-4 and Random Fill areas 1&2. Revised schedule to follow.
- The temporary construction easements have expired and are being renegotiated and renewed.

#### 3.4.5 Submittals

- Submittal process ongoing.

#### 3.4.6 Change Orders

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

#### 3.4.7 Field Activities and Look Ahead

- As indicated above.

#### 3.4.8 QC/QA Activities

Testing as required.

#### 3.4.9 Considerations

- Critical Delay: Current contract completion date was not met due to land acquisition delays. Schedule to be developed.

#### 3.4.10 Payment Progress

- See Contract Invoice Log attached.

### 3.5 Bid Package 4

#### 3.5.1 Calendar

Bid Date:	December 3, 2013
Contract executed	February 6, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 24, 2014
Start of field activities	March 17, 2014
Anticipated completion date	<i>June 30, 2015 (Contract Completion Date)</i>
Final Walk Through	
Final Acceptance	

#### 3.5.2 Progress

- No clay cap earthwork has been performed due to weather.
- Site 09 pump station in progress and approximately 95% complete.
- RW collector system - The 24 inch diameter pipe did not pass the deflection or the mandrel tests. Contractor submitted RFI.

3.5.3 Property Acquisition – All property is acquired.

3.5.4 Levee Board Considerations

- None

3.5.5 Submittals – on-going

3.5.6 Change Orders

- See Change Order Log attached.

3.5.7 Field Activities and Look Ahead

- See table above

3.5.8 QC/QA Activities

- No current material testing needs.

3.5.9 Considerations

- None

3.5.10 Payment Progress

- See Contract Invoice Log attached.

### 3.6 Bid Package 5

#### 3.6.1 Calendar

Bid Date:	December 3, 2013
Contract executed	January 27, 2014
Schedule received	December 3, 2013
Anticipated start of field activities	February 17, 2014
Start of field activities	February 17, 2014
Anticipated completion date	<i>September 30, 2015 (Contract Completion Date)</i>
Final Walk Through	
Final Acceptance	

#### 3.6.2 Progress

- Relief Wells and Piezometers - Relief Well and Piezometer work complete. Transducers to be installed in the Piezometers.
- Clay Cap work delayed until weather permits.
- RW collector system - Portions of the collector pipe did not pass the deflection or the mandrel tests. Contractor submitted RFI.
- Sluice Gate rehabilitation at MoPac and 408PS in progress - Submittals approved and material ordered.

#### 3.6.3 Property Acquisition

- All property is acquired.

#### 3.6.4 Levee Board Considerations

- Keller is in the process of obtaining the 210,000 cubic yard clay source.

#### 3.6.5 Submittals

- Submittal process underway.

#### 3.6.6 Change Orders

- See Change Order Log attached.

#### 3.6.7 Field Activities and Look Ahead

- See above table

#### 3.6.8 QC/QA Activities

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

#### 3.6.9 Considerations

- None other than previously mentioned.

#### 3.6.10 Payment Progress

- See Contract Invoice Log attached.

### 3.7 Bid Package 6

#### 3.7.1 Calendar

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

#### 3.7.2 Progress

- Seepage Berms – work continues as weather allows.
- Clay Caps work continues as weather allows and is 90% complete.
- Relief Wells and Piezometers - Relief well drilling complete (67).
- 15 of 16 PZs are complete.
- Relief well collector system is 85% complete.

#### 3.7.3 Property Acquisition

- All property is acquired.

#### 3.7.4 Levee Board Considerations - None

#### 3.7.5 Submittals – on-going

#### 3.7.6 Change Orders – See Change Order Log attached

#### 3.7.7 Field Activities and Look Ahead – See table above

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

#### 3.7.9 Considerations - None

#### 3.7.10 Payment Progress - See Contract Invoice Log attached

### 3.8 Bid Package 7A

#### 3.8.1 Calendar

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

#### 3.8.2 Progress

- This project is substantially complete. Retainage has not been fully released
- Contractor is completing remaining punch list items and as-builts.

3.8.3 Property Acquisition – Not applicable

3.8.4 Levee Board Considerations - None

3.8.5 Submittals – on-going

3.8.6 Change Orders - None

3.8.7 Field Activities and Look Ahead

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

3.8.8 QC/QA Activities – on-going

3.8.9 Considerations - None

3.8.10 Payment Progress – See Contract Invoice Log attached.



### 3.9 Bid Package 7B

#### 3.9.1 Calendar

Bid Date:	August 13, 2014
Contract executed	September 12, 2014
Schedule received	
Anticipated start of field activities	
Start of field activities	
Anticipated completion date	
Final Walk Through	
Final Acceptance	

#### 3.9.2 Progress

TREVIICOS received Notice-to-Proceed June 9, 2015

Pre-Construction Meeting scheduled for June 15, 2015

Mobilization is expected in mid July 2015

Cutoff Wall Scheduled to be complete by end of 2015

Remaining work to be complete May 1, 2016

#### 3.9.3 Property Acquisition

#### 3.9.4 Levee Board Considerations

#### 3.9.5 Submittals – Once contract is signed.

#### 3.9.6 Change Orders - None

#### 3.9.7 Field Activities and Look Ahead

#### 3.9.8 QC/QA Activities

#### 3.9.9 Considerations

#### 3.9.10 Payment Progress - None

**CONTRACT INVOICE LOG**

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

**Project:** SWILCD  
**Construction Package:** BP2A

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

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



**CONTRACT INVOICE LOG**

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

**Project:** SWILCD  
**Construction Package:** BP2B

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

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

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP2B

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Building Permit	Field	\$434.00	\$0.00	2B.1	\$ 32,720.00	1.33%	0.01%	2/24/2014	Approved	Required by Monroe County
2	Additional Roadway Aggregate	Field	\$7,965.00	\$0.00	2B.3	\$ 171,825.00	4.64%	0.21%	3/18/2014	Approved	Required by Monroe County
3	Site 10, 12, 15 fence and aggregate changes	Field	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/12/2014	Approved	Field changes to enable constructability and provide maintenance ease
4	Razor Wire on Fence	Other	\$0.00	\$8,570.00	NA	NA	NA	0.22%	8/19/2014	Approved	Razor wire on fence at Site 10, 12, & 16 per MESD Levee District request; To be paid by MESD
5	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	8/19/2014	Approved	Time extension for July 2014 weather/high river days that impeded construction
6*	Site 16 Duct Bank	Field	\$50,600.00	\$0.00	2B.55	\$ 23,990.00	210.92%	1.31%	9/29/2014	Approved	USACE required underground electrical service to pump station per Ameren; Ameren to credit FPD amount paid to Ameren for overhead lines; Board approval required
7	Site 15 Grating and Supports	Field	\$4,760.00	\$0.00		\$ 352,645.00	1.35%	0.12%	10/17/2014	Approved	Grating and support for Site 15 to enable functionality of the system
8*	Site 10 Electric Change	Field	\$74,200.00	\$0.00	2B.27	\$ 17,705.00	419.09%	1.92%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 10. Board approval required
9	Time Extension	Other	\$0.00	\$0.00	NA	NA	0.00%	0.00%	12/2/2014	Approved	Request for Time Extension to move our completion date to 4/15/15 due to the contract documents for Bid Package 2B contractor is only allowed to work at Site 12 between October 15th to March 15th.
10	Site 12 Guard Rail	Field	\$10,276.92	\$0.00	NA	NA	NA	0.27%	4/17/2015	Approved	Install approximately 74 LF of FRP handrails per the attached drawings for OSHA compliance
<b>Total of Project Change Orders</b>										<b>Total</b>	<b>\$ 156,805.92</b>
<b>Original Contract Amount</b>			<b>Revised Contract Amount</b>			<b>% Change from Original Amount</b>					
<b>\$3,865,405.00</b>			<b>4,022,210.92</b>			<b>4.06%</b>					

Approved

\*Board approval required

### CONTRACT INVOICE LOG

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

**Project:** SWILCD  
**Construction Package:** BP2C

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

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

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER: SIFPDC-BP2C**

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
<b>Total of Project Change Orders</b>			<b>\$0.00</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ -</b>
<b>Original Contract Amount</b>			<b>281,632.00</b>	<b>% Change from Original Amount</b>							
<b>\$281,632.00</b>			<b>281,632.00</b>	<b>0.00%</b>							

Approved

\*Board approval required





**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	IDOT Permit	Other	\$1,000.00	\$0.00	3.01	\$ 498,000.00	0.20%	0.01%	5/21/2014	Approved	IDOT Required Permit
2	Piezometer 39 Relocate	Field	\$16,600.00	\$0.00	3.30	\$ 307,224.00	5.40%	0.16%	9/18/2014	Approved	Post bid design change to enable more effective operability
3	Russell Commons Fence Remove and Replace	Field	\$11,361.00	\$0.00	NA	NA	NA	0.11%	10/2/2014	Approved	Remove and replace fence installed by property owner post bid
4	Additional Hydro Excavating	Field	\$2,245.60	\$0.00	3.39	\$1,884,009.24	0.12%	0.02%	10/8/2014	Approved	Due to the relocation of RW's 1077 to 1080; added costs for hydro excavation
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$3,071.25	\$0.00	3.37	\$ 82,812.00	3.71%	0.03%	10/22/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept
6*	RR3 Material for Blanket Drains-pending verifying material	Field	\$278,694.99	\$0.00	3.08-3.14	\$2,034,478.00	13.70%	2.76%	11/19/2014	Approved	Blanket Drains material change from CA1 to RR3 to improve effectiveness; Change requires Board approval
7*	Indian Creek Rip Rap	Field	\$57,436.00	\$0.00	3.40	\$ 193,713.36	29.65%	0.57%	11/19/2014	Approved	Due to the extreme scour of the banks and creek bed since the time of the original design, in order for the per plan design to be constructed, it is going to require a substantial amount of additional rip rap RR4 to be placed. Board approval required
8	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,820.00)	\$0.00	3.29	\$ 37,896.00	-15.36%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
9*	Hawthorne Changes North & South including Ameren	Other	\$558,066.80	\$0.00	3.02 3.04 3.06 3.07 3.29 3.32 3.02 3.09 3.16 3.23 3.25 3.26 3.29 3.36 3.37	\$1,884,009.24	29.62%	5.54%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
10*	Blanket Drain 2 Revisions & RW 1077 to 1080 Changes	Other	\$477,917.72	\$0.00				4.74%	2/18/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15; change order pending credit before processing
11	Blanket Drain 1 Revisions	Other	\$ (59.97)	\$0.00	3.08	\$ 15,160.00	-0.40%	0.00%	2/26/2015	Approved	Revised limits of Blanket Drain 1 and change surface aggregate material
12	Toe Wall and Handrails Wiers 2, 3, and 4	Field	\$ 60,362.00	\$0.00	3.48 3.49 3.50	\$ 381,000.00	15.84%	0.60%	4/15/2015	Approved	Toe wall for additional structural support due to the field conditions and soil types the weirs are being installed in. The toe walls were added to mitigate this potential failure. Handrails were added to the weirs as a result of OSHA regulations and for added maintenance personnel safety during inspections and flood events.
	Relief Well Construction Obstruction Budget	Other	\$500,000.00	\$0.00	3.38 3.39	\$3,507,071.90	14.26%	4.96%	3/18/2015	Budget Approved	RW Construction Obstruction due to Cobble Layer; Board approval required; 3/18/15 Board approved budget; to process change orders as needed

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP03

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
	Time Extension	Other								Pending	Anticipated change order to extend contract time due to land acquisition impact on construction
<b>Total of Project Change Orders</b>			<b>\$1,460,895.39</b>	<b>\$0.00</b>						<b>Total</b>	<b>\$ 1,460,895.39</b>

Original Contract Amount \$10,082,345.00  
 Revised Contract Amount 11,543,240.39  
 % Change from Original Amount 14.49%

\*Board approval required

### CONTRACT INVOICE LOG

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

**Project:** SWILCD  
**Construction Package:** BP04

<b>Original Contract Amount:</b>	\$3,190,232.45	
<b>Change Order #1:</b>	\$8,196.30	Flyght Pump & Locking Sewer Lids per MESD
<b>Change Order #2:</b>	\$949.90	Fence Polycarbonate
<b>Change Order #3:</b>	\$10,488.00	Fence Grounding per Ameren
<b>Change Order #4:</b>	\$1,533.00	2 Additional Posts in Concrete per Phillips 66 Request
<b>Change Order #5:</b>	\$2,127.35	Time and material for new fence grounding
<b>Change Order #6:</b>	\$2,402.40	Per MESD Request
<b>Change Order #7:</b>	\$0.00	Contract Time Extension
<b>Change Order #8:</b>	\$1,656.00	2" Well Point SS Pipe
<b>Change Order #9:</b>	\$54,680.20	Site 9 Electrical Changes
<b>Change Order #10:</b>	\$35,602.21	Work Stoppage due to Soil Testing
<b>Change Order #11:</b>	\$80,046.18	Relief Well Construction Obstruction due to Cobble
<b>Change Order #12:</b>	\$0.00	Contract Time Extension to June 30, 2015
<b>Change Order #13:</b>	\$8,981.67	Relief Well 141XB Re-Design
<b>Change Order #14:</b>	\$948.75	Offset Outfall Line of RW 153X
<b>Total Change Order Amount:</b>	\$207,611.96	
<b>Total Revised Contract Amount:</b>	<b>\$3,397,844.41</b>	

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

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP04

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	Flight Pump and Locking Sewer Lids	Other	\$0.00	\$8,196.30	4.27	\$ 222,500.00	3.68%	0.26%	3/11/2014	Approved	To be paid by MESD Levee District
2	PVC Fence Panel Fillers	Field	\$949.90	\$0.00	4.22	\$ 140,360.00	0.68%	0.03%	4/4/2014	Approved	To accommodate field condition
3	Furnish and Install Fence Grounding	Field	\$10,488.00	\$0.00	4.22	\$ 140,360.00	7.47%	0.33%	4/17/2014	Approved	Ameren required fence to be grounded; grounding to be every 200ft with 20ft ground rod
4	2 Additional Posts in Concrete per Phillips 66 Request	Field	\$1,533.00	\$0.00	4.22	\$ 140,360.00	1.09%	0.05%	6/17/2014	Approved	2 Additional posts per P66 request
5	Time and material for new fence grounding	Field	\$2,127.35	\$0.00	4.22	\$ 140,360.00	1.52%	0.07%	7/17/2014	Approved	Change order for additional grounding needed as requested by Phillips 66; Time and material
6	Razor Wire on Fence	Other	\$0.00	\$2,402.40	NA	NA	NA	0.08%	8/20/2014	Approved	Razor wire on fence at pump station per MESD Levee District request; to be paid by MESD Levee District
7	Time Extension Request for Fence Delay and High River	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	8/27/2014	Approved	Contract time extension of 43 working days due to security fence approval delay and high river level days that impeded construction
8	Well Point Stainless Steel Pipe diameter change 1-1/4" to 2"	Field	\$1,656.00	\$0.00	4.16	\$ 878,900.00	0.19%	0.05%	9/15/2014	Approved	Well point stainless steel pipe diameter change from 1-1/4" to 2" to improve operability/constructability.
9*	Site 9 Electrical Changes	Other	\$54,680.20	\$0.00	4.28	\$ 222,500.00	24.58%	1.71%	11/19/2014	Approved	Ameren requires upgrades to the existing pump station at Site 9. Board approval required
10	Work stoppage for impacted soil	Other	\$35,602.21	\$0.00	NA	NA	NA	1.12%	1/8/2015	Approved	Work stopped to perform testing due to encountering hydrocarbon odor
11	RW Construction Obstruction	Field	\$80,046.18	\$0.00	4.16	\$ 878,900.00	9.11%	2.51%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling
12	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract time extension to June 30, 2015
13	RW 141XB Re-design	Field	\$8,981.67	\$0.00	4.16	\$ 878,900.00	1.02%	0.28%	2/17/2015	Approved	60-slot RW re-design to 40-slot
14	Off-setting Outfall Line of RW 153X	Field	\$948.75	\$0.00	4.16	\$ 878,900.00	0.11%	0.03%	3/6/2015	Approved	Off-setting Outfall Line of RW 153X
15	Credit-Remove Vacuum Testing of Manholes	Other								pending	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
<b>Total of Project Change Orders</b>										<b>Total</b>	<b>\$ 207,611.96</b>

Original Contract Amount **\$3,190,232.45**      Revised Contract Amount **3,397,844.41**      % Change from Original Amount **6.51%**

\*Board approval required



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP05

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1*	Locking Sewer Lids	Other	\$0.00	\$19,698.78	5.18-5.22	\$ 113,685.00	17.33%	0.24%	3/18/2014	Approved	To be paid by MESD Levee District
2	Gravity Drain Cleaning	Field	\$2,815.00	\$0.00	5.29	\$ 67,225.00	4.19%	0.03%	4/16/2014	Approved	Anticipated \$2,815.00 change to accommodate field condition and constructability
3	Rip Rap Survey	Field	\$1,224.14	\$0.00	NA	NA	NA	0.01%	6/18/2014	Approved	Operator and equipment cost for assistance with survey done on rip rap discovered on railroad embankment
4	Manhole JN1601 Extension	Field	\$683.99	\$0.00	5.21	\$ 9,325.00	7.34%	0.01%	7/18/2014	Approved	4ft extension due to BP05 and BP2B grade conflict
5	Permits for relief well conversions due to change with IL Public Health Dept	Other	\$1,863.75	\$0.00	5.26	\$ 211,728.64	0.88%	0.02%	10/30/2014	Approved	Permits for relief well conversions due to change with IL Public Health Dept; Owner will be responsible for all permits and fees
6	Relief Wells Rehabs	Other	\$103,690.00	\$0.00	NA	NA	NA	1.26%	10/30/2014	Approved	Relief well rehabilitations in the plans but were omitted from the bid tab
7*	PZ Seal Modifications	Design	\$31,680.00	\$0.00	5.22	\$ 171,680.00	18.45%	0.38%	11/19/2014	Approved	The new detail extends the concrete seal 4' below ground surface which should provide more stability for the above-grade part of the piezometer.
8	Installation and testing of 10" Relief Wells instead of 8" Wells	Design	\$45,199.00	\$0.00	5.28	\$ 2,156,379.63	2.10%	0.55%	2/2/2015	Approved	Based on site-specific designs performed after pilot hole drilling, ten wells were final-designed with 10" diameter screens and risers to optimize well length and/or meet the USACE entrance velocity standard.
9*	RW Construction Obstruction	Field	\$107,201.00	\$0.00	5.27 5.28	\$ 3,204,234.48	3.35%	1.30%	1/15/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board approval
10	Credit-Remove Vacuum Testing of Manholes	Other	\$ (5,095.00)	\$0.00	5.18-5.21	\$ 113,685.00	-4.48%	-0.06%	2/2/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
11	Contract Time Extension	Other	\$0.00	\$0.00	NA	NA	NA	0.00%	2/10/2015	Approved	Contract Time Extension to September 30, 2015
12	Delete - PZ Seal Modifications	Other	\$ (31,680.00)	\$0.00	5.22	\$ 171,680.00	-18.45%	-0.38%	4/16/2015	Approved	Delete piezometer seal modifications
13	Remaining Relief Well Permits	Other	\$9,056.25	\$0.00	NA	NA	NA	0.11%	4/16/2015	Approved	Per spec sec 00 800 par 6.4-Owner will be responsible for all permits and fees
14	60 Slot Relief Well Redesign	Field	\$110,334.93	\$0.00	5.27 5.28	\$ 3,204,234.48	3.44%	1.34%	4/16/2015	Approved	60 Slot Relief Well Redesign

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP05

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
15	RW Construction Obstruction	Field	\$83,011.64	\$0.00	5.27 5.28	\$ 3,204,234.48	2.59%	1.01%	5/15/2015	Within approved budget	RW Construction Obstruction due to Cobble Layer during drilling; submitted January 21, 2015 for Board appro

**\$479,683.48**

**Total of Project Change Orders**  
 Original Contract Amount **\$8,256,481.84**  
 Revised Contract Amount **\$459,984.70**  
 % Change from Original Amount **5.81%**

\*Board approval required

**CONTRACT INVOICE LOG**

**Contractor:** The Lane Construction Corporation  
 90 Fieldstone Ct.  
 Cheshire, CT 06410-1212

**Project:** SWILCD 56317001.008.0017  
**Construction Package:** BP06  
**Original Contract Amount:** \$12,857,127.75  
**Change Order #1:** \$0.00 Spiral Wound Slip Lining  
**Change Order #2:** \$1,870.00 Bronze Survey Markers  
**Change Order #3:** \$132,809.60 Red Flint Filter Pack Material  
**Change Order #4:** \$12,040.40 Air Testing of HDPE Storm Sewer Pipe 12" 18" and 24"  
**Change Order #5:** \$29,566.29 SaniTite pipe upgrade and air testing on 30"-42" pipe  
**Change Order #6:** \$26,950.00 Vacuum testing manholes  
**Change Order #7:** \$205,863.75 Additional Pilot Hole Drilling & Additional Pilot Hole Sampling  
**Change Order #8:** \$4,210.00 Raise to Grade Piezometer  
**Change Order #9:** \$9,504.00 Modify Piezometer  
**Change Order #10:** \$18,339.63 12" Surface Aggregate  
**Change Order #11:** \$1,282,932.15 Relief Well Quantity Changes  
**Change Order #12:** \$37,935.66 Various Changes for Board Approval  
**Change Order #13:** \$43,664.49 Various Changes for Board Approval  
**Change Order #14:** \$177,854.69 Relief Well Construction Obstruction  
**Change Order #15:** \$0.00 Contract Time Extension to September 30, 2015  
**Change Order #16:** \$10,004.04 Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole – 48 inch deleted JN-70 C; HDPE pipe 12 inch  
**Change Order #17:** (\$10,106.25) Credit-Remove Vacuum Testing of Manholes  
**Change Order #18:** \$63,230.97 60 Slot Relief Well Redesign  
**Change Order #19:** \$20,923.32 Relief Well Construction Obstruction  
**Change Order #20:** \$17,910.08 Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ  
**Change Order #21:** \$4,562.64 Relief Well Construction Obstruction  
**Total Change Order Amount:** **\$2,090,065.46**  
**Total Revised Contract Amount:** **\$14,947,193.21**

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retainage	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	12/1/2013	12/9/2013	\$85,500.00	\$8,550.00	\$76,950.00	\$76,950.00	<a href="#">12/20/2013</a>	\$12,780,177.75
2	1/1/2014	2/10/2014	\$302,624.00	\$30,262.40	\$272,361.60	\$195,411.60	<a href="#">2/20/2014</a>	\$12,584,766.15
3	2/3/2014	2/10/2014	\$1,082,723.00	\$108,272.30	\$974,450.70	\$702,089.10	<a href="#">2/20/2014</a>	\$11,882,677.05
4	3/1/2014	3/14/2014	\$1,486,548.00	\$148,654.80	\$1,337,893.20	\$363,442.50	<a href="#">3/25/2014</a>	\$11,519,234.55
5	4/1/2014	4/16/2014	\$2,819,792.90	\$281,979.29	\$2,537,813.61	\$1,199,920.41	<a href="#">4/22/2014</a>	\$10,321,184.14
6	5/1/2014	5/13/2014	\$3,912,098.90	\$391,209.89	\$3,520,889.01	\$983,075.40	<a href="#">5/22/2014</a>	\$9,338,108.74
7	6/1/2014	6/10/2014	\$4,741,611.90	\$474,161.19	\$4,267,450.71	\$746,561.70	<a href="#">6/19/2014</a>	\$8,591,547.04
8	7/1/2014	7/14/2014	\$5,406,637.90	\$540,663.79	\$4,865,974.11	\$598,523.40	<a href="#">7/17/2014</a>	\$8,125,833.24
9	8/1/2014	8/8/2014	\$5,785,001.65	\$578,500.17	\$5,206,501.49	\$340,527.38	<a href="#">8/19/2014</a>	\$8,073,440.31
10	9/3/2014	9/5/2014	\$6,053,869.33	\$605,386.93	\$5,448,482.40	\$241,980.91	<a href="#">9/15/2014</a>	\$7,849,799.02
11	10/1/2014	10/3/2014	\$6,752,179.87	\$675,217.99	\$6,076,961.88	\$628,479.49	<a href="#">10/16/2014</a>	\$8,504,251.69
12	11/1/2014	11/10/2014	\$7,466,202.56	\$746,620.26	\$6,719,582.30	\$642,620.41	<a href="#">11/18/2014</a>	\$7,899,566.94
13	12/1/2014	12/8/2014	\$8,071,969.19	\$807,196.92	\$7,264,772.27	\$545,189.97	<a href="#">12/18/2014</a>	\$7,398,041.46
14	1/1/2015	1/13/2015	\$9,086,036.15	\$454,301.81	\$8,631,734.33	\$1,366,962.07	<a href="#">1/26/2015</a>	\$6,031,079.39
15	2/1/2015	2/6/2015	\$10,631,046.43	\$531,552.32	\$10,099,494.11	\$1,467,759.77	<a href="#">2/18/2015</a>	\$4,741,174.30
16	3/1/2015	3/9/2015	\$11,159,175.28	\$557,958.76	\$10,601,216.51	\$501,722.40	<a href="#">3/19/2015</a>	\$4,249,455.94
17	4/1/2015	4/10/2015	\$12,128,575.99	\$606,428.80	\$11,522,147.19	\$920,930.68	<a href="#">4/16/2015</a>	\$3,381,649.98
18	5/1/2015	5/8/2015	\$13,089,041.43	\$654,452.07	\$12,434,589.36	\$912,442.17	<a href="#">5/18/2015</a>	\$2,490,131.13
19	6/1/2015	6/5/2015	\$13,723,208.55	\$686,160.43	\$13,037,048.13	\$602,458.77		\$1,910,145.08



**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP06

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

**TITLE: CONSTRUCTION CHANGE ORDER LOG**

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

**PROJECT NUMBER:** SIFPDC-BP06

Change Request Number	Description	Change Type (Field, Design, Spec, Other)	Cost to FPD	Cost to Others	As Bid Line Item #	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
16*	Concrete Headwall and Flap Gate at RW-200X; HDPE pipe 12 inch added to P-200X; HDPE pipe 12 inch added to 70-C; Manhole – 48 inch deleted JN-70 C; HDPE pipe 12 inch deleted P-S516 for 70C.	Field	\$10,004.04	\$0.00	6.39 6.40	\$ 1,806,432.00	0.55%	0.08%	2/12/2015	Approved	Change Description submitted in change order memo for Board approval 2/18/15
17	Credit-Remove Vacuum Testing of Manholes		\$ (10,106.25)	\$0.00	NA	NA	NA	-0.08%	3/4/2015	Approved	PCN approved to remove the requirements for ASTM C1244 Standard Test Method for Concrete Sewer
18*	60 Slot Relief Well Redesign	Field	\$63,230.97	\$0.00	6.40	\$ 1,039,884.00	6.08%	0.49%	3/18/2015	Approved	60-slot RW re-design to 40-slot; Board approval required
19	RW Construction Obstruction	Field	\$20,923.32	\$0.00	6.39 6.40	\$ 1,806,432.00	1.16%	0.16%	5/8/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
20*	Abandon Existing PZ P37 12" Agg Surface Abandon Existing PZ 239L and install new PZ	Field	\$17,910.08	\$0.00	6.04 6.43 6.44	\$ 554,700.00	3.23%	0.14%	5/15/2015	Approved	Changes proposed to accommodate field conditions. Board approval required.
21	RW Construction Obstruction	Field	\$4,562.64	\$0.00	6.39 6.40	\$ 1,806,432.00	0.25%	0.04%	5/29/2015	Approved	RW Construction Obstruction due to Cobble Layer during drilling. To be processed under budget Board approved 1/21/15
<b>Total</b>										<b>\$</b>	<b>2,090,065.46</b>

**Total of Project Change Orders \$2,090,065.46**  
 Original Contract Amount \$12,857,127.75  
 Revised Contract Amount \$14,947,193.21  
 % Change from Original Amount 16.26%

\*Board approval required

**CONTRACT INVOICE LOG**

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

**Project:** SWILCD 56317001.010.001  
**Construction Package:** BP7A  
**Original Contract Amount:** \$3,076,208.70  
**Change Order #1:** \$13,850.00 Boat Access Ramp  
**Change Order #2:** \$108,897.50 Utility Conflicts  
**Change Order #3:** \$98,660.80 Excavation Levee Slope and Crown Quantity Adjustment  
**Change Order #4:** \$66,693.00 Slurry Wall Quantity Settlement  
**Change Order #5:** \$0.00 Contract Time Extension to June 26, 2015  
**Change Order #6:** \$7,500.00 Site demolition and restoration as required by City of Alton  
**Total Change Order Amount:** \$295,601.30  
**Total Revised Contract Amount:** **\$3,371,810.00**

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









Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Budget and Disbursement Report for May 2015  
Date: June 15, 2015

Current Budget Highlights

Attached is the financial statement for May 2015 prepared by our fiscal agent, CliftonLarsonAllen. The report includes an accounting of revenues and expenditures for the month ending May 31, 2015, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2014 are \$32,476,838 while revenues amounted to \$7,715,586 resulting in a deficit of \$24,674,907. A total of approximately \$23,245,987 is held by the counties in their respective FPD sales tax funds and is available for the Council's use on the project.

Monthly sales tax receipts for March 2015 (the latest month reported by the Illinois Department of Revenue) were down by 1.05% from the previous year. In general, receipts are up 1.38% from last year, which was our highest year.

Monthly Disbursements

Attached is the list of bank transactions for May 2015. Total disbursements for the month were \$3,405,435.22. The largest payments were to Keller Construction for BP #3 and BP #5, Lane Construction for BP #6, Kamadulski Excavating & Grading Co. for BP #7A, Korte & Luitjohan Contractors for BP #2B, Haier Plumbing for BP #4, Union Pacific for easements, Amec Foster Wheeler and Husch Blackwell.

Recommendation:

Accept the budget report and disbursements for May 2015.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**EIGHT MONTHS ENDING MAY 2015 AND 2014**





**CliftonLarsonAllen**

CliftonLarsonAllen LLP  
www.cliftonlarsonallen.com

Board Members  
Southwestern Illinois Flood Prevention District Council  
Collinsville, Illinois

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

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

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

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

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

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

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

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

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

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

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

CliftonLarsonAllen LLP

St. Louis, Missouri  
June 9, 2015

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

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,195,000	\$ 11,195,000	\$ 7,481,092	\$ 3,713,908
Interest Income	60,000	60,000	234,494	(174,494)
Other Contributions	-	-	-	-
Total Revenues	<u>11,255,000</u>	<u>11,255,000</u>	<u>7,715,586</u>	<u>3,539,414</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	8,131,050	8,131,050	1,704,056	6,426,994
Construction	45,791,362	45,791,362	21,298,766	24,492,596
Construction and design by US ACE	-	-	-	-
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>53,922,412</u>	<u>53,922,412</u>	<u>23,002,822</u>	<u>30,919,590</u>
Professional Services				
Legal & Legislative Consulting	216,000	216,000	188,625	27,375
Diversity Program Manager	64,140	64,140	46,430	17,710
Construction Oversight	-	-	-	-
Other	-	-	-	-
Impact Analysis/Research	-	-	-	-
Financial Advisor	120,000	120,000	5,925	114,075
Bond Underwriter/Conduit Issuer	-	-	9,778	(9,778)
Total Professional Services	<u>400,140</u>	<u>400,140</u>	<u>250,758</u>	<u>149,382</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,882,480	1,882,480	1,085,970	796,510
Monroe County	197,080	197,080	113,692	83,388
St. Clair County	1,920,440	1,920,440	1,107,869	812,571
Total Refund of Surplus Funds to County	<u>4,000,000</u>	<u>4,000,000</u>	<u>2,307,531</u>	<u>1,692,469</u>
Debt Service				
Principal and Interest	7,101,239	7,101,239	7,101,239	-
Federal Interest Subsidy	(844,610)	(844,610)	(421,850)	(422,760)
Total Debt Service	<u>6,256,629</u>	<u>6,256,629</u>	<u>6,679,389</u>	<u>(422,760)</u>
Total Operating Expenses	<u>64,579,181</u>	<u>64,579,181</u>	<u>32,240,500</u>	<u>32,338,681</u>
General and Administrative Costs				
Salaries, Benefits	206,000	206,000	123,016	82,984
Advertising	-	-	-	-
Bank Service Charges	1,500	1,500	1,029	471
Conference Registration	500	500	311	189
Equipment and Software	2,000	2,000	-	2,000
Fiscal Agency Services	26,500	26,500	18,800	7,700
Audit Services	15,000	15,000	-	15,000
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	400	400	223	177
Printing/Photocopies	2,500	2,500	1,614	886
Professional Services	20,000	20,000	191	19,809
Publications/Subscriptions	250	250	113	137
Supplies	1,500	1,500	1,907	(407)
Telecommunications/Internet	2,500	2,500	1,656	844
Travel	7,500	7,500	165	7,335
Insurance	1,000	1,000	968	32
Total General & Administrative Costs	<u>288,150</u>	<u>288,150</u>	<u>149,993</u>	<u>138,157</u>
Total Expenditures	<u>64,867,331</u>	<u>64,867,331</u>	<u>32,390,493</u>	<u>32,476,838</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(53,612,331)	(53,612,331)	(24,674,907)	28,937,424
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (53,612,331)</u>	<u>\$ (53,612,331)</u>	<u>\$ (24,674,907)</u>	<u>\$ 28,937,424</u>

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

	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 11,237,000	\$ 11,237,000	\$ 7,253,313	\$ 3,983,687
Interest Income	650,000	650,000	730,632	(80,632)
Other Contributions	-	-	-	-
Total Revenues	<u>11,887,000</u>	<u>11,887,000</u>	<u>7,983,945</u>	<u>3,903,055</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	4,000,000	4,000,000	1,465,145	2,534,855
Construction	60,000,000	60,000,000	10,591,859	49,408,141
Construction and design by US ACE	1,000,000	1,000,000	2,477,634	(1,477,634)
Federal Cost-Share	-	-	-	-
Total Design and Construction	<u>65,000,000</u>	<u>65,000,000</u>	<u>14,534,638</u>	<u>50,465,362</u>
Professional Services				
Legal & Legislative Consulting	210,000	210,000	76,212	133,788
Construction Oversight	210,000	210,000	124,350	85,650
Other	-	-	-	-
Impact Analysis/Research	-	-	2,856	(2,856)
Financial Advisor	40,000	40,000	9,450	30,550
Bond Underwriter/Conduit Issuer	100,000	100,000	-	100,000
Total Professional Services	<u>560,000</u>	<u>560,000</u>	<u>212,868</u>	<u>347,132</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	2,270,400	2,270,400	1,248,378	1,022,022
Monroe County	220,800	220,800	124,095	96,705
St. Clair County	2,308,800	2,308,800	1,251,857	1,056,943
Total Refund of Surplus Funds to County	<u>4,800,000</u>	<u>4,800,000</u>	<u>2,624,330</u>	<u>2,175,670</u>
Debt Service				
Principal and Interest	7,107,440	7,107,440	7,102,339	5,101
Federal Interest Subsidy	(910,140)	(910,140)	(422,305)	(487,835)
Total Debt Service	<u>6,197,300</u>	<u>6,197,300</u>	<u>6,680,034</u>	<u>(482,734)</u>
Total Operating Expenses	<u>76,557,300</u>	<u>76,557,300</u>	<u>24,051,870</u>	<u>52,505,430</u>
General and Administrative Costs				
Salaries, Benefits	192,331	192,331	140,150	52,181
Advertising	-	-	-	-
Bank Service Charges	600	600	940	(340)
Conference Registration	500	500	372	128
Equipment and Software	4,000	4,000	1,768	2,232
Fiscal Agency Services	23,000	23,000	17,500	5,500
Furniture	-	-	-	-
Meeting Expenses	1,000	1,000	28	972
Postage/Delivery	400	400	218	182
Printing/Photocopies	2,500	2,500	1,557	943
Professional Services	20,000	20,000	8,663	11,337
Publications/Subscriptions	250	250	2,125	(1,875)
Supplies	1,500	1,500	1,314	186
Telecommunications/Internet	2,000	2,000	2,005	(5)
Travel	15,000	15,000	2,317	12,683
Insurance	1,000	1,000	981	19
Total General & Administrative Costs	<u>264,081</u>	<u>264,081</u>	<u>179,938</u>	<u>84,143</u>
Total Expenditures	<u>76,821,381</u>	<u>76,821,381</u>	<u>24,231,808</u>	<u>52,589,573</u>
<b>EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES</b>				
	(64,934,381)	(64,934,381)	(16,247,863)	48,686,518
<b>OTHER FINANCING SOURCES</b>				
Proceeds From Borrowing	10,000,000	10,000,000	-	10,000,000
<b>NET CHANGE IN FUND BALANCE</b>	<u>\$ (54,934,381)</u>	<u>\$ (54,934,381)</u>	<u>\$ (16,247,863)</u>	<u>\$ 38,686,518</u>

# Flood Prevention District Sales Tax Trends 2009-2015

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





**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
SUPPLEMENTARY SUPPORTING SCHEDULE  
BANK TRANSACTIONS  
May 31, 2015**

Beginning Bank Balance May 1		\$	304,718.12
Receipts			
UMB	05/15/2015 Funds Transfer/Construction		3,114,227.02
UMB	05/15/2015 Funds Transfer/Admin		55,316.56
UMB	05/20/2015 Funds Transfer/ Construction		307,000.00
The Bank of Edwardsville	05/29/2015 May Interest		110.15
			<b>3,476,653.73</b>
Disbursements			
Juneau Associates	05/04/2015 Construction		649.00
Marks & Associates	05/04/2015 Professional Services		3,590.00
Smith Dawson & Andrews	05/04/2015 Professional Services		5,000.00
Microsoft Office	05/07/2015 Subscription		0.99
AT & T	05/14/2015 Telephone		91.91
Office Depot	05/14/2015 Office Supplies		37.68
Cockriel & Christofferson, LLC	05/14/2015 Construction		4,000.00
ABNA	05/15/2015 Design & Construction		995.15
ABNA	05/15/2015 Design & Construction		10,306.30
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		16,551.88
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		1,562.50
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		141,259.99
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		4,180.00
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		30,325.64
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		4,750.00
Amec Foster Wheeler Environment & Infracore	05/15/2015 Design & Construction		2,430.00
CliftonLarsonAllen LLP	05/15/2015 Fiscal Agent		2,126.00
Columbia Capital	05/15/2015 Financial Advisor		600.00
Eugene Pulcher Trust	05/15/2015 Construction		650.00
Haier Plumbing	05/15/2015 Construction		78,273.36
Mary Pulcher Trust	05/15/2015 Construction		650.00
Roxana Landfill, Inc.	05/15/2015 Construction		27,970.00
The Bank-Service Fees	05/15/2015 Wire Fee		10.00
The Bank-Service Fees	05/15/2015 Wire Fee		10.00
Keller Construction Inc	05/18/2015 Construction		383,971.81
Korte & Luitjohan Contractors Inc	05/18/2015 Construction		190,596.00
Keller Construction Inc	05/18/2015 Construction		647,934.51
The Bank-Service Fees	05/18/2015 Wire Fee		15.00
The Bank-Service Fees	05/18/2015 Wire Fee		15.00
The Bank-Service Fees	05/18/2015 Wire Fee		15.00
The Bank-Service Fees	05/18/2015 Wire Fee		15.00
The Bank-Service Fees	05/18/2015 Wire Fee		15.00
Kamadulski Excavating & Grading CO, Inc	05/18/2015 Construction		523,465.17
The Lane Construction Corporation	05/18/2015 Construction		912,442.17
CDW Government	05/20/2015 Office Supplies		289.95
The Bank-Service Fees	05/20/2015 Wire Fee		10.00
Columbia Capital	05/21/2015 Financial Advisor		618.75
Cost Less Copy Center	05/21/2015 Board Meeting Materials		190.00
UMB Bank, NA	05/21/2015 Bond Issuance Fee		3,074.00
Walmart	05/27/2015 Office Supplies		35.85
Dorgan, McPike & Assoc, LTD	05/27/2015 Legal & Legislative Consulting		3,000.00
East-West Gateway Council of Governments	05/27/2015 Supervisor Mgt Services		33,061.47
The Bank-Service Fees	05/27/2015 Wire Fee		15.00
Union Pacific Railroad Company	05/27/2015 Construction		305,000.00
Union Pacific Railroad Company	05/27/2015 Construction		2,000.00
The Bank-Service Fees	05/27/2015 Wire Fee		15.00
DVK Holdings, LLC	05/29/2015 Construction		33.34
JIK Holdings LLC	05/29/2015 Construction		33.33
Keller Properties LLC	05/29/2015 Construction		33.33
Willaredt Acres Inc	05/29/2015 Construction		900.00
Juneau Associates	05/29/2015 Construction		99.00
Husch Blackwell	05/29/2015 Construction		15,459.68
Husch Blackwell	05/29/2015 Construction		30,227.15
Husch Blackwell	05/29/2015 Legal & Legislative Consulting		16,815.15
The Bank of Edwardsville	04/30/2015 May Bank Charges		4.16
The Bank of Edwardsville	05/29/2015 May Bank Charges		15.00
			<b>3,405,435.22</b>
		\$	<b>375,936.63</b>





Memo to: Board of Directors  
 From: Chuck Etwert  
 Subject: Change Order BP #6  
 Date: June 15, 2015

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

We have two change orders on Bid Package 6 which Amec Foster Wheeler will be explaining at the meeting.

**Bid Package 06 – Change Order 22**

**RCP at Pulcher’s Driveway \$2,066.10**

Raise the RCP and two Flared End Sections at Pulcher’s Driveway to a flat elevation of 405.00 to ensure drainage from the swale on the north end of his driveway to the south.

**Bid Package 06 – Change Order 11 Modification**

**Increase in Relief Well Quantities \$81,005.79**

Bid package 6 included Pilot Hole Drilling as a contractor responsibility and Relief Well Design was completed after the Pilot Holes were drilled. This change order is to accommodate the actual quantity adjustments for relief well construction and for additional pump testing for RW-18X and RW-200X.

<b>Summary of Relief Well Quantity Adjustments</b>			
	<b>Type “D” 8 inch</b>	<b>Type “D” 10 inch</b>	<b>Type “T” 10 inch</b>
<b>Net Increase</b>	<b>33.5</b>	<b>2</b>	<b>79.6</b>
<b>Contract Amount</b>	<b>1648.5</b>	<b>151.5</b>	<b>933.5</b>
<b>Percent adjustment</b>	<b>2.03%</b>	<b>1.32%</b>	<b>8.53%</b>

Recommendation: Authorize the Chief Supervisor to approve BP #6 - Change Order 22 – RCP at Pulcher’s Driveway for \$2,066.10, and Change Order 11 Modification - Increase in Relief Well Quantities for \$81,005.79; for a total not to exceed \$83,071.89.



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Wood River Authorized Level Project Summary Report  
Amec Foster Wheeler Environment & Infrastructure  
Date: June 15, 2015

As part of the Council's overall plan to design the most critical and cost effective projects to restore the federally authorized level of flood protection, Amec Foster Wheeler has developed a Summary Report of the Authorized Projects in the Wood River Levee System.

Summary Reports for the Metro East Sanitary District Levee and the Prairie Du Pont/Fish Lake Levee will be developed and presented at a later date under separate covers.

I have attached the Wood River Authorized Level Project Summary Report (Preliminary Design Phase) to this memo. Amec Foster Wheeler will discuss their recommendation, the proposed schedule, and the estimated costs at the meeting.

It must be noted that the proposed schedule is dependent on the USACE providing information in sufficient time.

**Recommendation:** Accept Amec Foster Wheeler Environment & Infrastructure's Wood River Authorized Level Project Summary Report dated June 17, 2015.



# Wood River Authorized Level Project Summary Report

Preliminary Design Phase

Prepared for



Prepared by



**June 17, 2015**

Table of Contents

**1. General Information / Background .....1**

    Authorized Level Project .....1

    Wood River Levee System .....1

    USACE Authorized Level Project Decision Segments .....1

**2. Recommended Plan .....3**

    Integral Determination Report (IDR) .....3

    Recommendation .....3

    Development of Bid Packages .....4

**3. Schedule .....4**

**4. Risk in Moving Forward .....5**

Appendix 1 – Bid Package / Design Reach Exhibits

Appendix 2 – Design Process Flow Charts

## 1. General Information / Background

### Authorized Level Project

Following the Southwestern Illinois Flood Prevention District Council's (FPD Council) design and construction of levee improvements that are required for accreditation in accordance with 44 CFR 65.10 criteria (FEMA criteria), the FPD Council desires to advance the implementation of the U.S. Army Corps of Engineers' (USACE) Authorized Level Project. The USACE Authorized Level Project further protects the region from a flood in excess of a 100-year FEMA flood event; specifically, the USACE Authorized Level project protects the many residents and businesses throughout southwestern Illinois against an approximately 500-year flood event (the actual Authorized Level Flood Event is defined as 52 feet on the Mississippi River St. Louis, Missouri gage with 2 feet of freeboard, also called the 52+2 Flood Event).

The USACE requires a 35% local sponsor match of the total estimated engineering and construction costs. The Council and the Corps have executed a Memorandum of Understanding that will allow 30% of those costs to be applied through work-in-kind credits, pending the approval of an Integral Determination Report (IDR) and a revised Partnership Agreement (PPA) between the USACE and the FPD Council. Work-in-kind credits are applied when the local sponsor performs work that would otherwise be part of the Authorized Level Project. Work performed by the local sponsor that is not part of the USACE Authorized Level Project is not eligible for work-in-kind credit. To date, the only project eligible for work-in-kind credit that is part of the Southwestern Illinois Levee Certification Design projects (FEMA certification projects) is Bid Package 7B – Lower Cutoff Wall, which is the deep cutoff wall along the Lower Wood River Levee segment.

Amec Foster Wheeler was tasked with reviewing the U.S. Army Corps of Engineers' Authorized Level Project decision segments and evaluating the most cost effective of the most vulnerable improvements for the FPD Council to begin engineering and construction on.

### Wood River Levee System

This report covers the Wood River Levee System only. Summary Reports for the Metro East Sanitary District Levee and Prairie du Pont/Fish Lake Levee will be submitted at a later date under a separate cover. All of the vulnerable reaches along the Wood River Levee System are located along the Lower Wood River Levee, except for one reach along the Upper Wood River Levee, just south of the Alton Marina and Clark Bridge; along the Upper Wood River Levee the USACE has planned to build a shallow cutoff wall, which will be an extension of the shallow cutoff wall constructed as part of the FPD Council's Bid Package 7A, which was completed in Spring, 2015. The East Fork and West Fork levees in the Wood River Levee System do not require any improvements to protect against the Authorized Level Flood Event.

### USACE Authorized Level Project Decision Segments

The USACE St. Louis District has provided Amec Foster Wheeler and the FPD Council a list of decision segments that require improvements before those segments of levee can adequately protect against the Authorized Level Flood Event. A decision segment is a length of levee, which typically has a length of 330 feet (or some multiple of 330 feet, such as 660 feet). The USACE split the entire levee into individual decision segments to analyze each segment of levee with the available subsurface (boring) information; borings were conducted generally every 330 feet along the entire Wood River Levee System. After each decision segment was evaluated for protection against underseepage, a decision was made regarding what underseepage improvements, if any, were needed to correct deficiencies of the particular segment. Underseepage improvements generally consist of seepage berms, fill, relief wells, pump stations, and cutoff walls; the USACE Authorized Level Project does not include any blanket drains, which was an underseepage control implemented by the Amec Foster Wheeler team for protection against the 100-year FEMA flood event in the Wood River Levee System. Decisions about underseepage improvements were based on factors such as constructability, land use, and cost. Table 1 lists the decision segments provided by the USACE St. Louis District. Each decision segment was

evaluated by the USACE as part of the *Wood River Levee System Limited Reevaluation Report, Design Deficiency Corrections, Wood River Drainage and Levee District, Madison County, IL*, approved August 31, 2011 (The LRR). The USACE developed the rankings in Table 1, based on their Factor of Safety (FS) against failure at the Authorized Level Flood Event. It is important to point out that at the time the LRR was completed, none of the FPD Council's FEMA Improvements were installed; therefore, the USACE has noted which reaches have had work done by the FPD Council and Amec Foster Wheeler subsequent to the initial underseepage analysis as part of the LRR in 2011. Currently, the USACE St. Louis District is reevaluating the decision segments which have had improvements completed as part of the FPD Council's FEMA improvement projects, which the USACE designates as "AMEC Solution". Ideally, the extent of the improvements in those reaches would be reduced, or eliminated altogether, thus reducing the overall USACE Authorized Level cost estimate for engineering and construction. The USACE has indicated that they will be complete with this reevaluation in early August of 2015.

**Table 1 - Wood River Decision Segments**

<b>Table 1 - Wood River Decision Segments</b>							
<u>Abbreviations List:</u>							
AMEC: Amec Foster Wheeler / FPD Council				PS: Pump Station			
FS: Factor of Safety (higher is better, lower is more vulnerable)				RW: Relief Well(s)			
Designer Recommended Rank	FS Rank w/o AMEC	Levee Reach Station		Average FS with AMEC	Average FS w/o AMEC	USACE Recommended Plan	AMEC Solution
		From	To				
1*	2	151+50	188+50		0.43	Deep Cutoff Wall approximately 3970'	Deep Cutoff Wall and x RW
2	1	613+70	623+80	0.29	0.29	Fill in landside depression 1,010 linear feet	No New Features
3	3	133+65	151+50		0.44	14 RW @ 125' spacing Flow to existing PS	x RW - More than Corps Solution
4	4	530+50	530+50	N/A	N/A	New 20 cfs Pump Station	No New Features
5	5	551+00	556+05	0.63	0.63	8 RW at 92' to 110' spacing. Flow to New PS @ 530+50	No New Features
6	6	562+65	589+05		1.02	20 RW at 221' to 777' spacing. Flow to New PS at 530+50	Blanket Drain and Seepage Berm
7	7	123+75	127+05	1.05	1.05	3 RW @ 110' spacing. Flow to existing PS	No New Features
8	8	298+65	308+55		1.06	6 RW @ 85' to 165' spacing Flow to existing PS	x RW - More than Corps Solution
9	9	627+00	630+30	1.08	1.08	330 linear ft seepage berm 5' thick, 100' wide	No New Features



10	10	608+85	613+70	1.13	1.13	485 linear feet seepage berm 5' thick, 100' wide	No New Features
11	11	592+35	605+55		1.18	8 RW at 120' to 164' spacing. Flow to New PS at 530+50	Blanket Drain and Seepage Berm
12	12	455+50	480+15	1.24	1.24	15 RW @ 110' to 660' and New PS. Flow to New PS	No New Features
13	13	430+65	455+50	1.29	1.29	17 RW @ 83' to 165' spacing and New PS. Flow to New PS	No New Features
14	14	486+75	493+35	1.45	1.45	3 RW at 330' spacing. Flow to existing PS	No New Features

\*USACE is currently evaluating incremental benefits of the 100-yr seepage control measures on the Authorized Level Project in the area of the phase 2 cutoff wall (LWR Station 170+00 to 188+50).

## 2. Recommended Plan

### Integral Determination Report (IDR)

On May 13, 2015, the FPD Council and Amec Foster Wheeler received a draft copy of the IDR (draft dated May 12, 2015). The USACE has estimated the total cost of the project to be \$51,890,000. The draft IDR estimated the total cost of work items proposed for work-in-kind credit at \$40,033,000. Of the \$40,033,000, \$12,932,000 is the total for work-in-kind credit that the FPD Council can perform as part of the Authorized Project. In other words, the FPD Council can fund engineering and construction for \$12,932,000 and supply an additional \$2,594,500 in cash to the USACE, and the requirements for the local match to the federal project will have been met. Note that the FPD Council already has a credit with the USACE for \$2,635,000 resulting from cash contributions previously made.

The draft IDR states that the FPD Council's deep cutoff wall project (Bid Package 7B – Lower Cutoff Wall), which is currently under construction, could fulfill the \$12,932,000 work-in-kind credit. If the Council opts to use this as their in-kind match, it would effectively prohibit the FPD Council from completing any additional work within the Wood River Levee District. This is due to the fact that in-kind improvements are reviewed against the Corps Authorized Project, while improvements that are not considered in-kind improvements would be reviewed through the 408 process to determine whether the improvements are injurious to the levee. Under this option, the USACE will complete the remainder of the work along the Wood River Levee System to protect against the Authorized Level flood event. After many discussions with the FPD Council staff, it was determined that this is not the best approach for the southwestern Illinois region. By conceding the remainder of the work to USACE, the region will wait for the USACE to receive funding to complete the remainder of the work.

### Recommendation

It is recommended that the FPD Council proceed with subsurface investigations and design activities for all relief wells, seepage berms, fill, and pump stations required for the USACE Authorized Level Project and postpone the decision to take work-in-kind credit for the deep cutoff wall project. Should federal funding become available in the near future, the FPD Council could utilize the work-in-kind credit at that time. The USACE estimated the total cost for engineering and construction of these improvements to be \$10,294,900. By the FPD Council taking on this work, it will be possible for the design and construction of those levee improvements to occur sooner than if the USACE were to perform the design and construction.

Should the FPD Council accept the recommended plan, the only work the USACE will have left to construct as part of the USACE Authorized Level Project are the shallow cutoff wall extension, and the deep cutoff wall extension; both of which require specialty contractors that will most likely be from out of state.

### Development of Bid Packages

Amec Foster Wheeler has reviewed the USACE decision segments and has determined that three construction bid packages will appropriately subdivide the decision segments. By splitting the work into three bid packages, the FPD Council has the ability to cancel any one bid package if the remaining bid package(s) approach the work-in-kind credit contribution limit of \$12,932,000. While there is nothing stopping the FPD Council from constructing improvements in excess of \$12,932,000, the USACE will require Section 408 approval for any work over and above the \$12,932,000 limit, whereas any work done as work-in-kind, as agreed upon in the final IDR, which is still in development, does not require Section 408 approval. The three bid packages have been named Bid Package 08, 09, and 10, a continuation of the numbering from Amec Foster Wheeler's Certification Design. The packages were divided by pump station, and tributary relief wells. The resultant bid packages are as follows:

- ▶ Bid Package 08 is comprised of four USACE decision segments and spans from Levee Station 123+75 to 455+50. This package includes the construction of a new pump station, between Stations 430+65 and 455+50, and 40 relief wells, 23 of which are tributary to existing a/an existing pump station(s).
- ▶ Bid Package 09 is comprised of two USACE decision segments and spans from Levee Station 493+35 to 480+15. This package includes the construction of a new pump station, between Stations 455+50 and 450+15, and 18 relief wells, 3 of which are tributary to existing a/an existing pump station(s).
- ▶ Bid Package 10 is comprised of seven USACE decision segments and spans from Levee Station 530+50 to 630+30. This package includes the construction of a new pump station, at Station 530+50, and 36 tributary relief wells. This package is the only one to also include seepage berm and fill areas. Two seepage berms, 5 feet thick and 100 wide, are to be constructed between Stations 608+85 and 613+70 & 627+00 and 630+30, for a total of 815 linear feet of berm. In addition, 1,010 linear feet of fill is to be added to landside depressions between Stations 613+70 and 623+80.

Exhibits are appended to this report which depict the approximate location of each improvement as part of the recommended plan; see Appendix 1.

### 3. Schedule

If the recommended plan discussed herein is accepted by the FPD Council, Amec Foster Wheeler will begin to prepare an estimate to begin field work immediately. The scope, schedule, fee for preliminary field work (drilling), and conceptual engineering and coordination with USACE, will be presented at the July 2015 FPD Council board meeting, assuming all costs are received by USACE in sufficient time.

AMEC Foster Wheeler, the FPD, and the USACE St. Louis District have worked together to develop the role and responsibilities for each party in the design process. Flow charts outlining the responsibilities through the design process are included as Attachment 2.

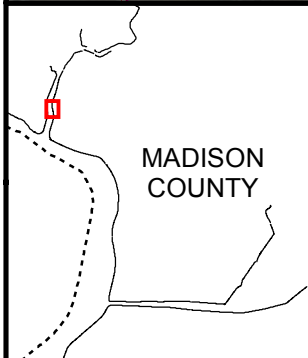
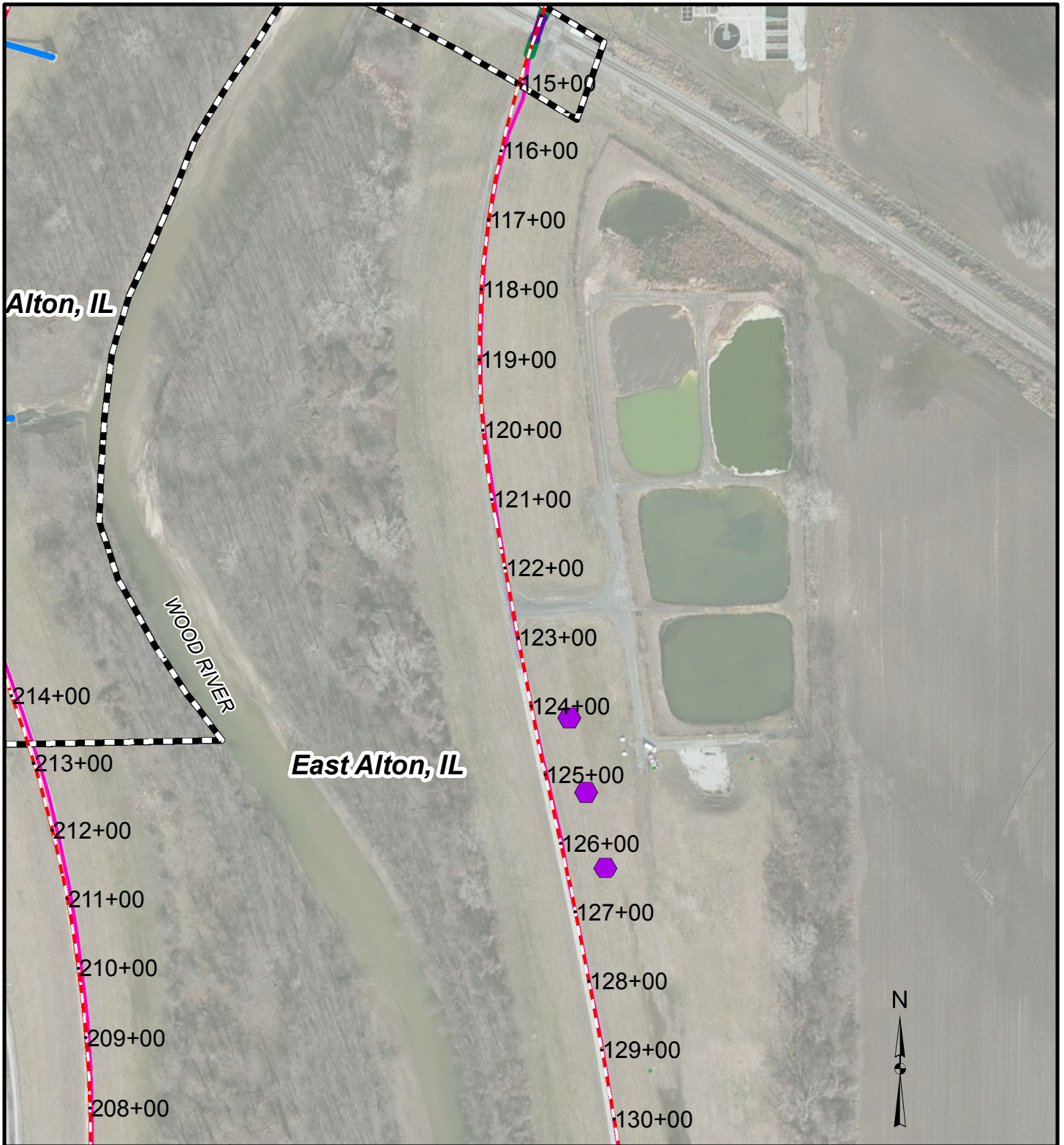
#### **4. Risk in Moving Forward**

Should the FPD Council accept this recommended plan and move forward with field investigation, conceptual engineering, and drilling of relief well pilot holes, the FPD Council should understand the risk associated in doing so. By beginning drilling prior to August 2015, the FPD Council runs the risk of drilling relief well pilot holes that might be eliminated as a result of the USACE's reevaluation of the FEMA improvements with respect to the USACE Authorized Level Project. This risk can be managed in such a way that all drilling occurs on reaches that are not being reevaluated by USACE at this time.

There is also risk associated with moving forward with these activities without an approved IDR and revised PPA. Risk decreases substantially after IDR approval, and risk of not receiving work-in-kind credit is eliminated after the revised PPA is approved. It is anticipated that a final IDR will be signed in September, 2015, and the amended PPA approximately 1 year later (September, 2016).






At this time, there is no indication that the IDR or PPA will not be approved, although the schedule for approval is a 'best estimate' by the USACE St. Louis District. Approval of the IDR is contingent on implementation guidance regarding the Water Resource Development Act of 2014 (WRDA 2014); the Federal Government has yet to hand down this guidance, and therefore, the IDR and subsequent PPA will be stalled until such time that the WRDA 2014 implementation guidance is received.

## Appendix 1 – Bid Package / Design Reach Exhibits

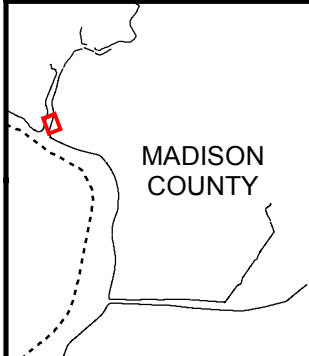
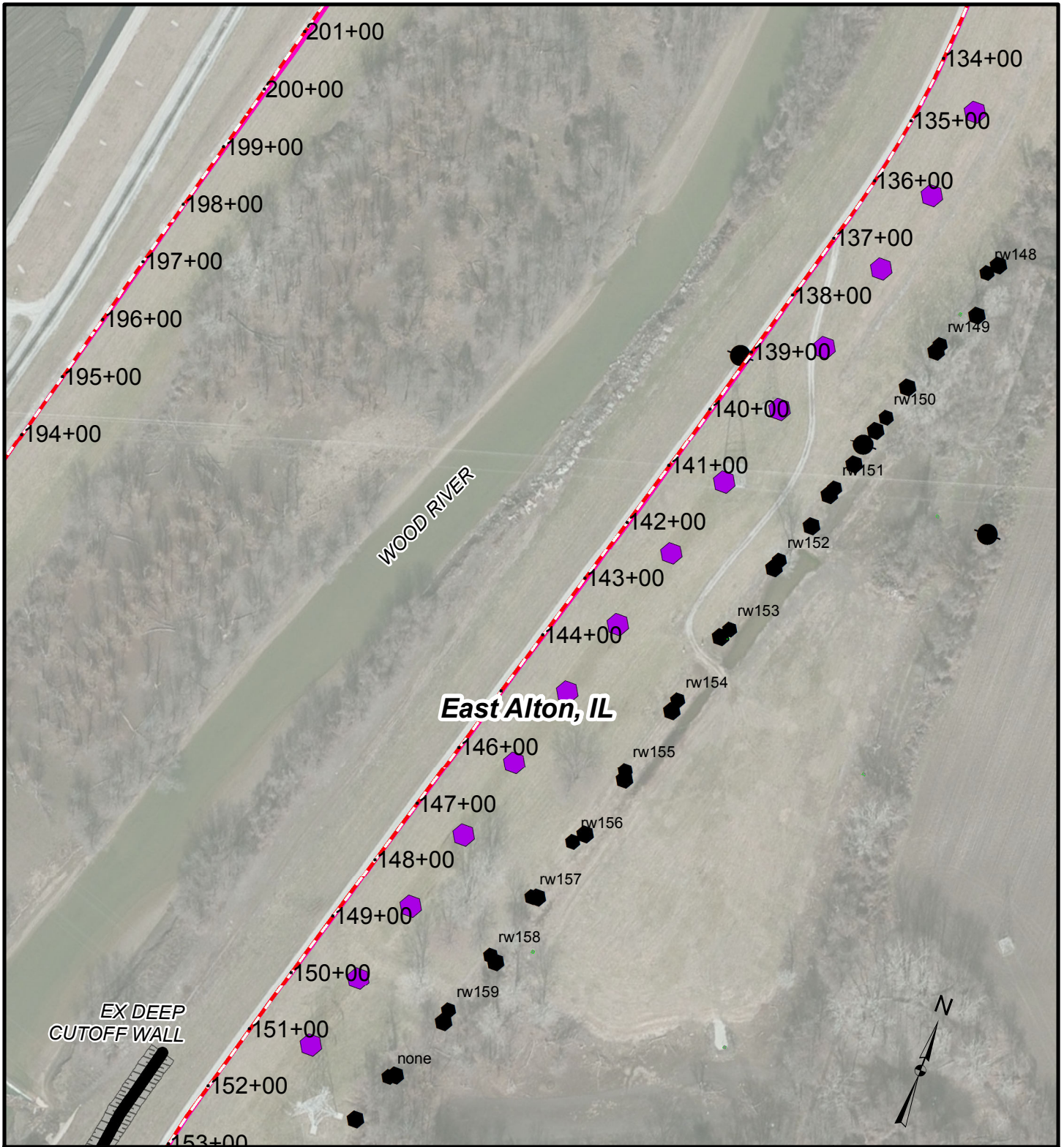


**USACE Authorized Level of Protection Planning and Analysis**  
**BID PACKAGE 08**  
**WOOD RIVER LEVEE SYSTEM**  
**DESIGN STA: 123+75 TO 127+05**

06/16/2015
SHEET 1 OF 13

Legend	
	New Pump Station
	New Seepage Berm
	New Fill Area
	New Relief Well
	Municipality Boundary





**USACE Authorized Level of  
Protection Planning and Analysis**

**BID PACKAGE 08**






**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 133+65 TO 151+50

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06/16/2015 SHEET 2 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary



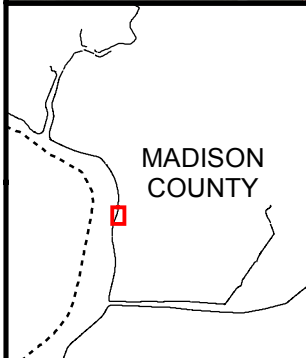


**Hartford, IL**

N OLD ST LOUIS AVE

EX HAWTHORNE  
PUMP STATION

W HAWTHORNE ST



MADISON  
COUNTY

**USACE Authorized Level of  
Protection Planning and Analysis**

**BID PACKAGE 08**






**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 298+65 TO 308+55

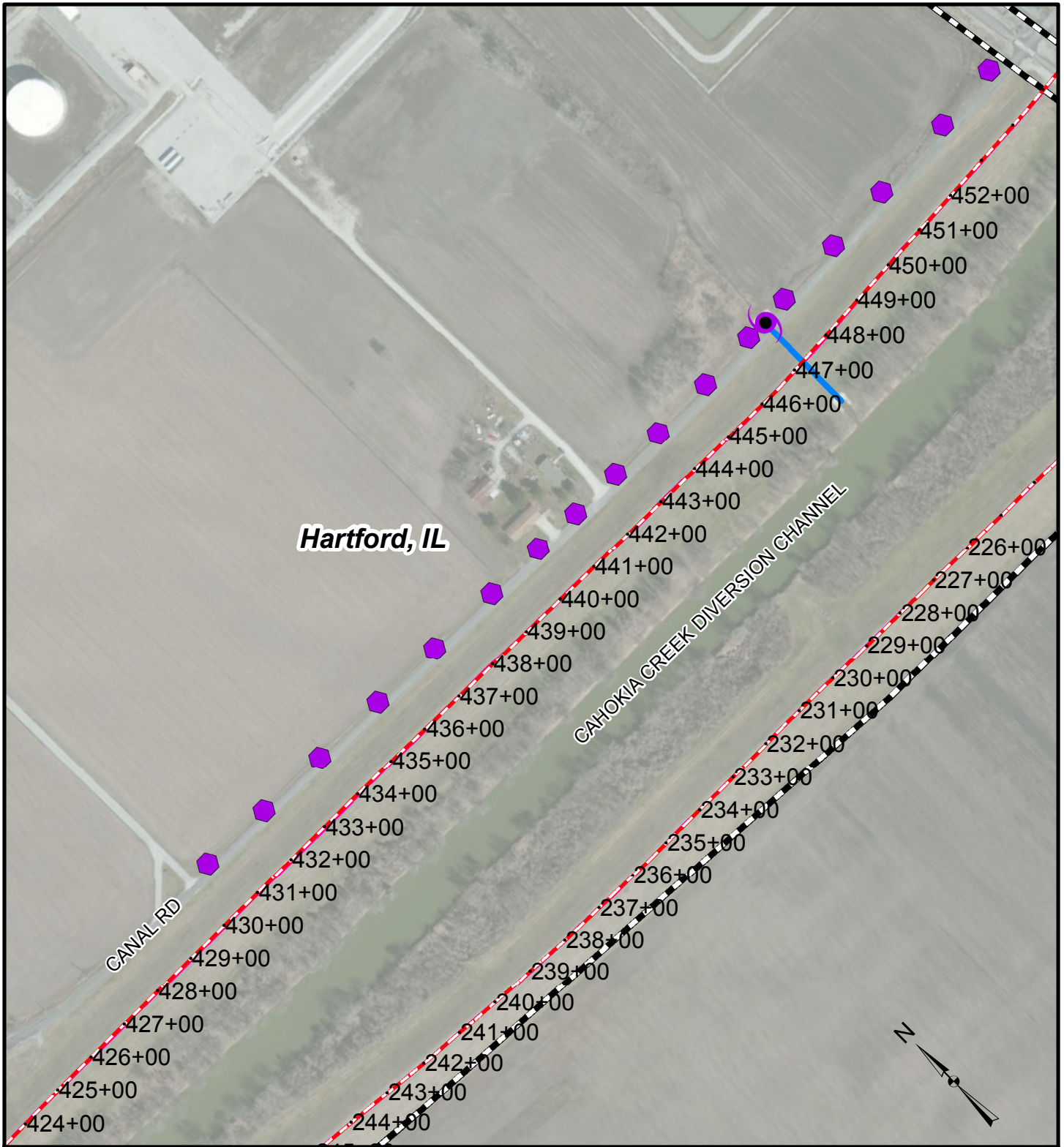
06/16/2015

SHEET 3 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary

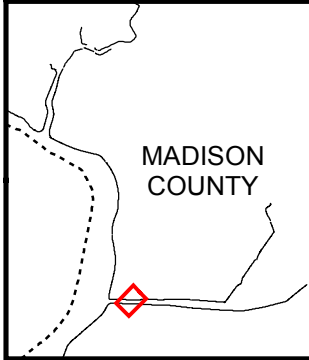




**Hartford, IL**

CANAL RD

CAHOKIA CREEK DIVERSION CHANNEL



MADISON COUNTY






**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 08**

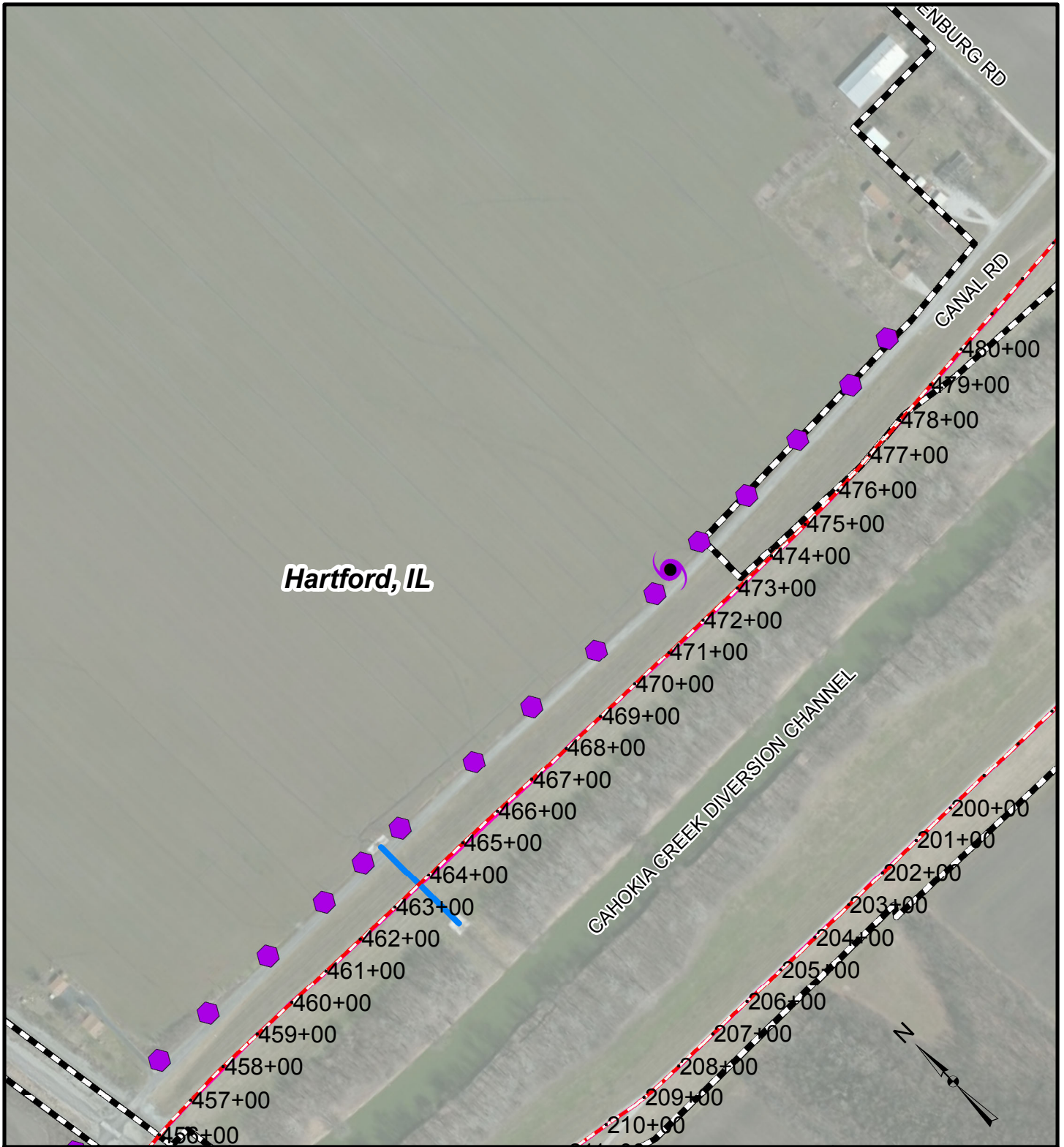
**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 430+65 TO 455+50

**Legend**

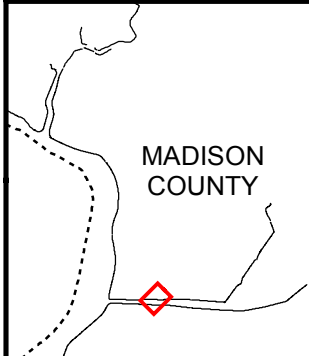
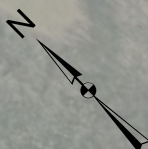
-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary





**Hartford, IL**

CAHOKIA CREEK DIVERSION CHANNEL








**USACE Authorized Level of Protection Planning and Analysis**

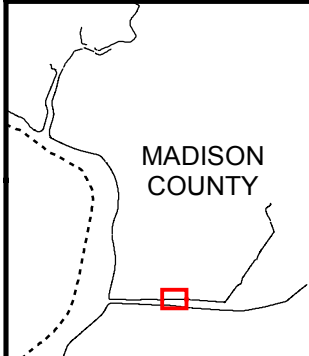
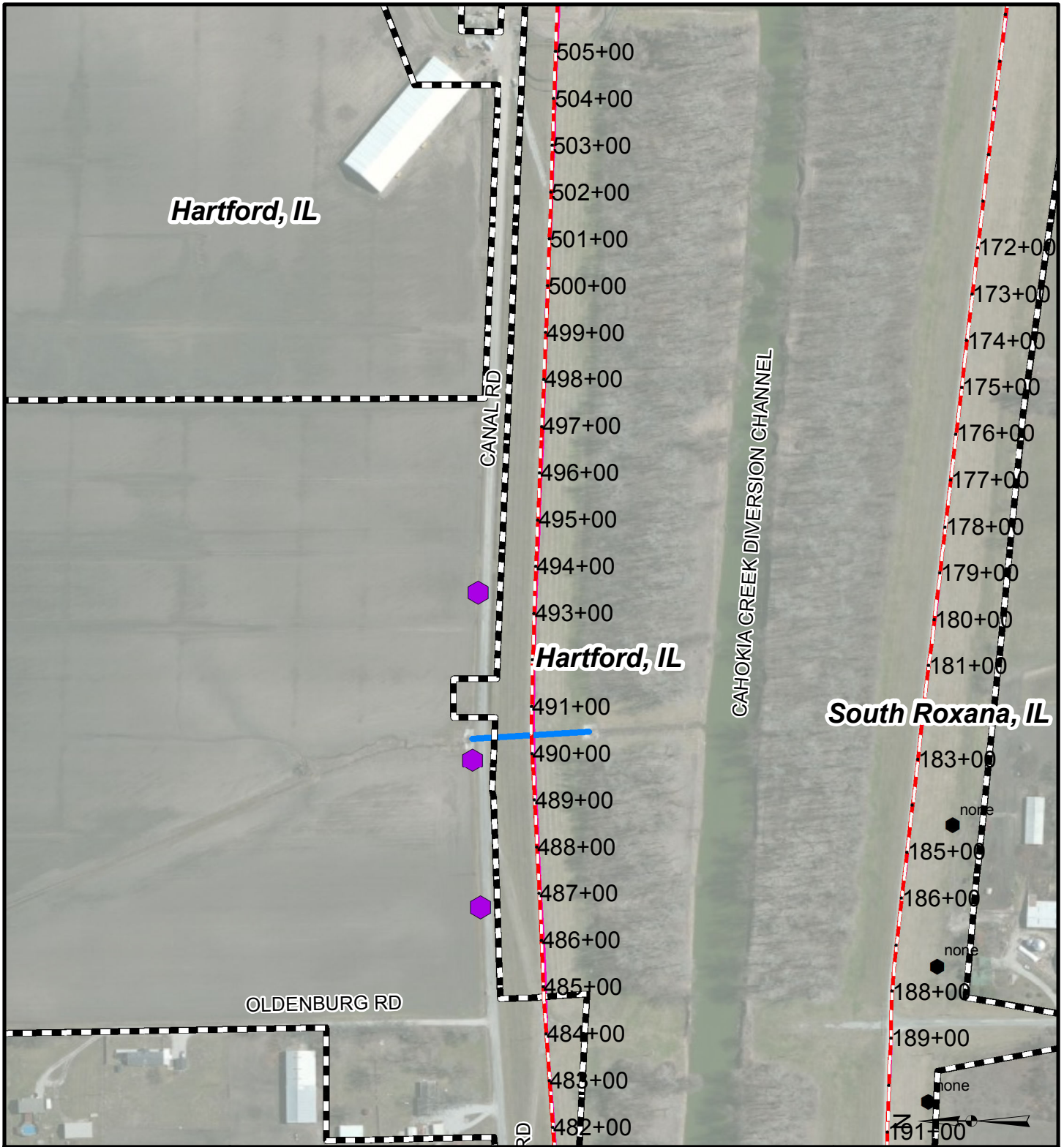
**BID PACKAGE 09**

**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 455+55 TO 480+15

**Legend**






-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary



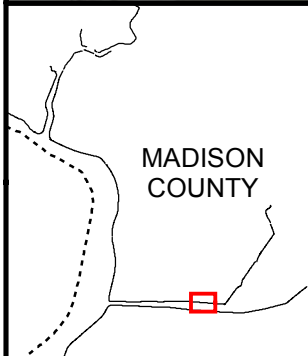
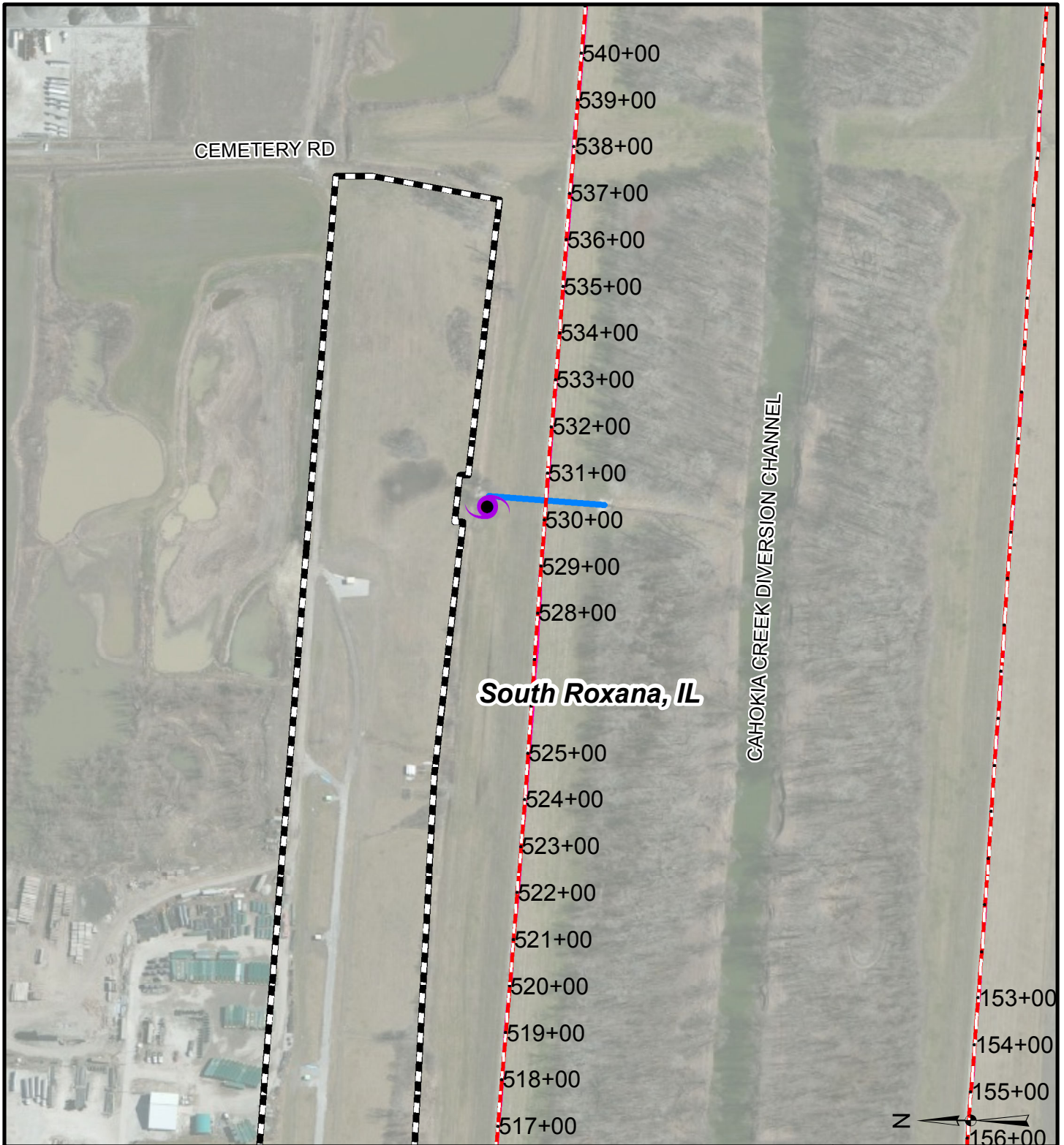
**USACE Authorized Level of  
Protection Planning and Analysis**  
**BID PACKAGE 09**  
**WOOD RIVER LEVEE SYSTEM**  
**DESIGN STA: 486+75 TO 493+35**

06/16/2015 SHEET 6 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary





**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 10**






**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 530+50 TO 530+50

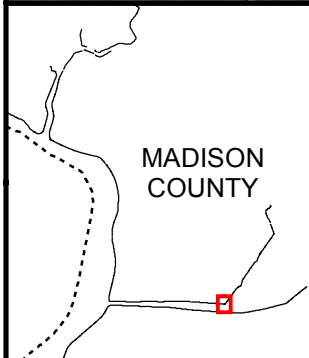
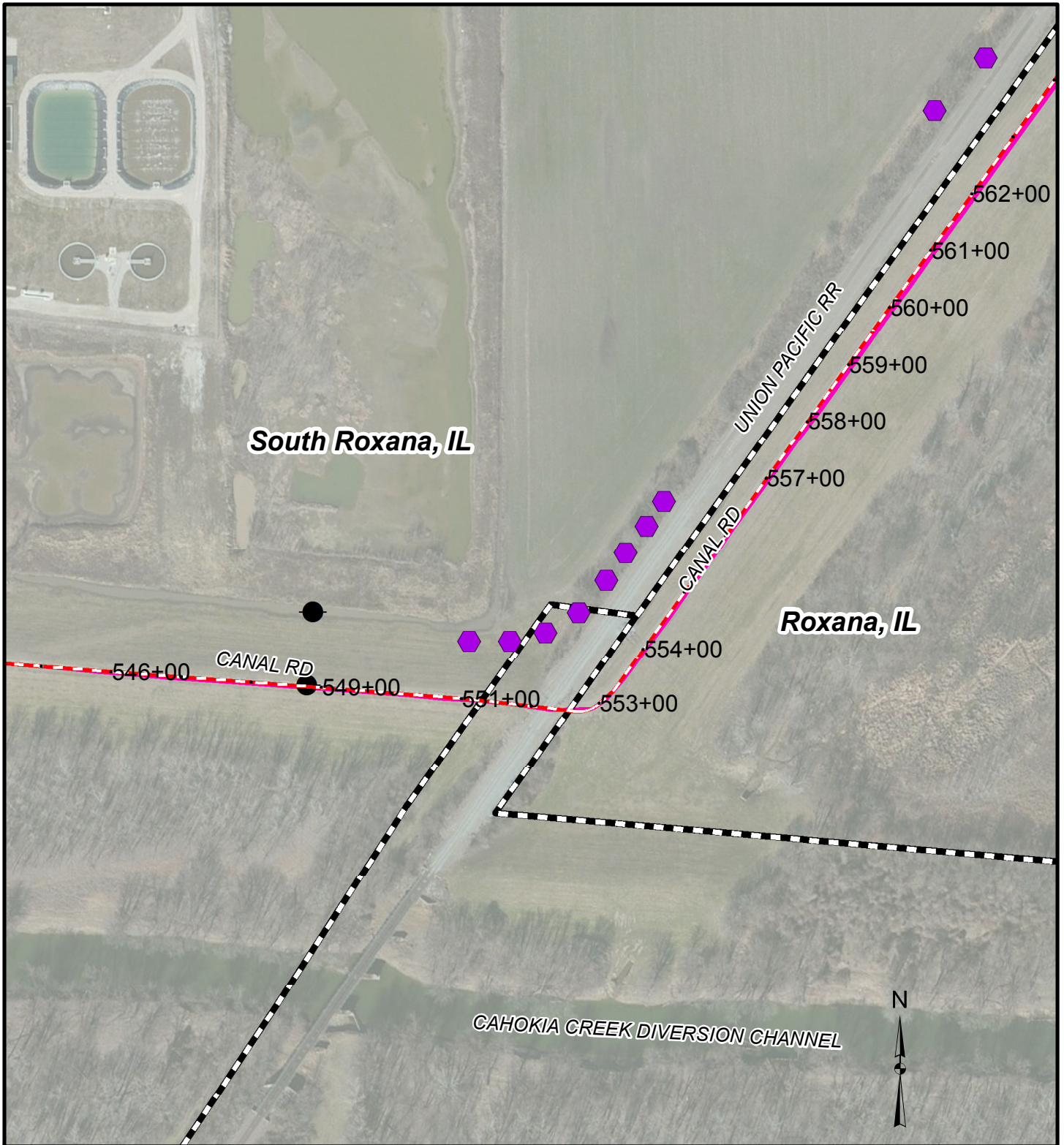
06/16/2015

SHEET 7 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary





**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 10**






**WOOD RIVER LEVEE SYSTEM**

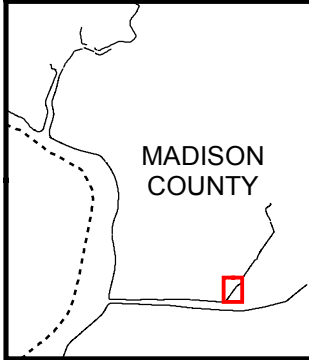
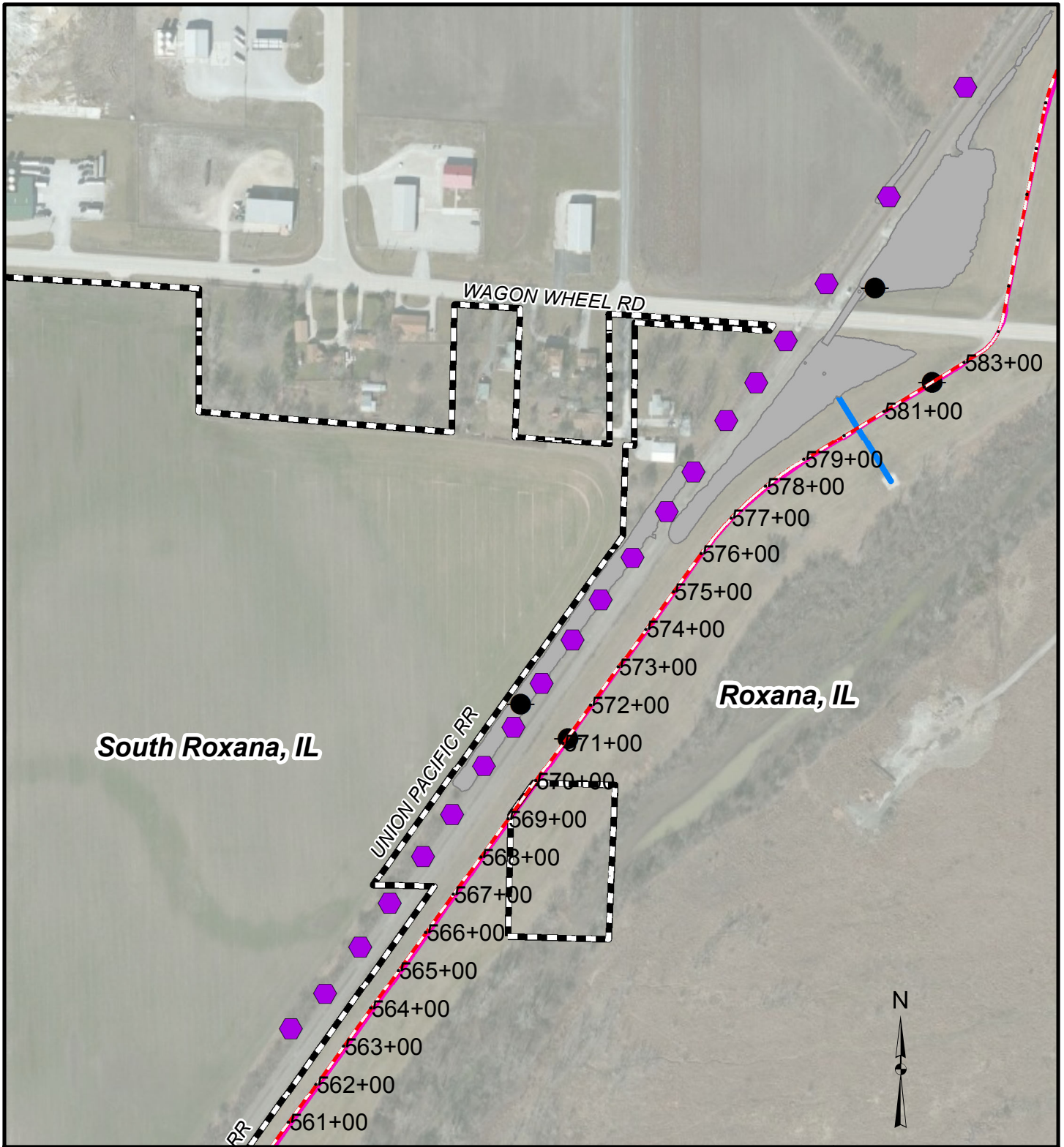
DESIGN STA: 551+00 TO 556+05

06/16/2015

SHEET 8 OF 13

**Legend**






-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary



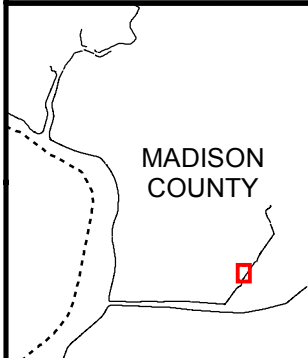
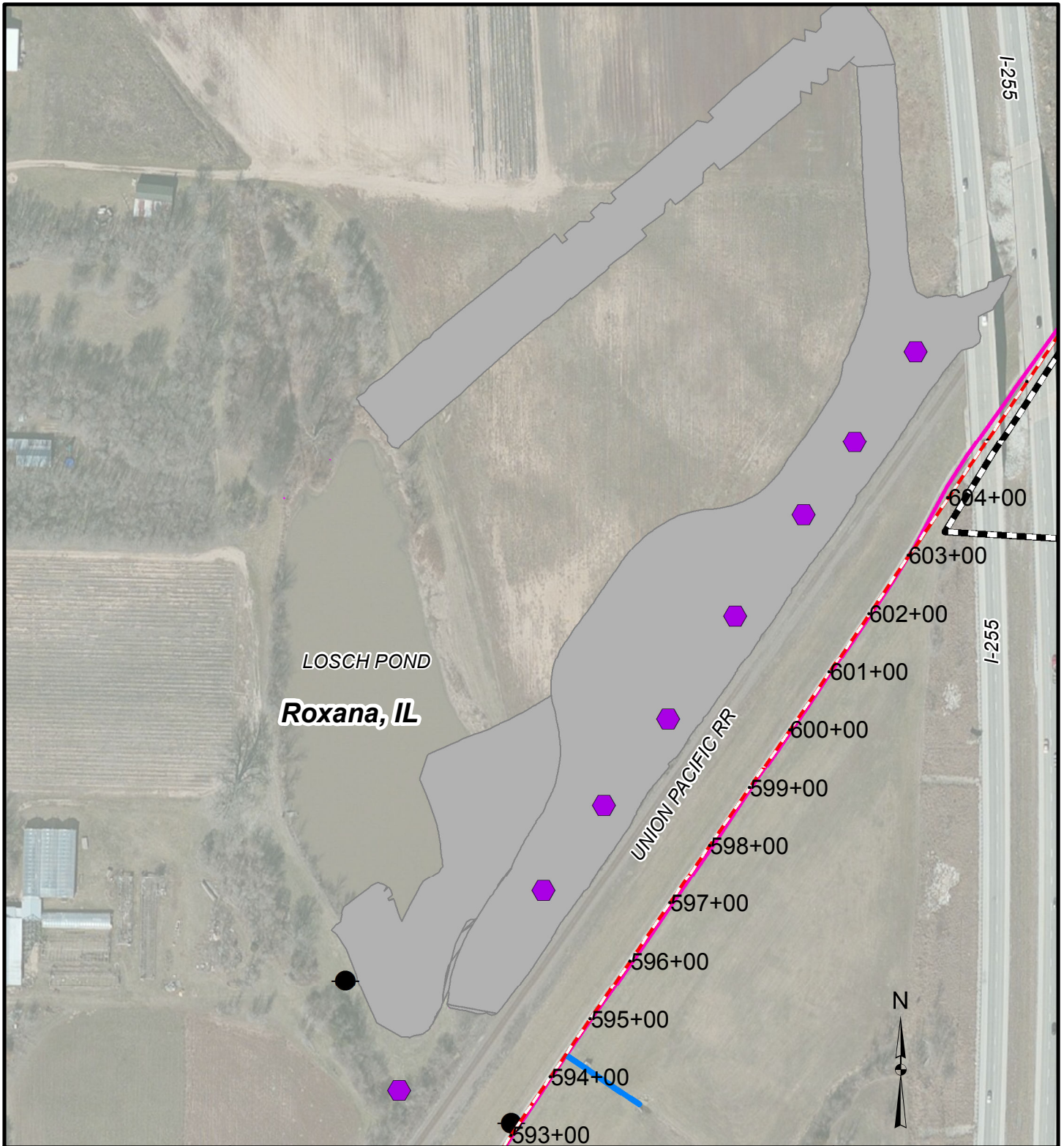
**USACE Authorized Level of Protection Planning and Analysis**  
**BID PACKAGE 10**  
**WOOD RIVER LEVEE SYSTEM**  
**DESIGN STA: 562+65 TO 589+05**

06/16/2015                      SHEET 9 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary










**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 10**

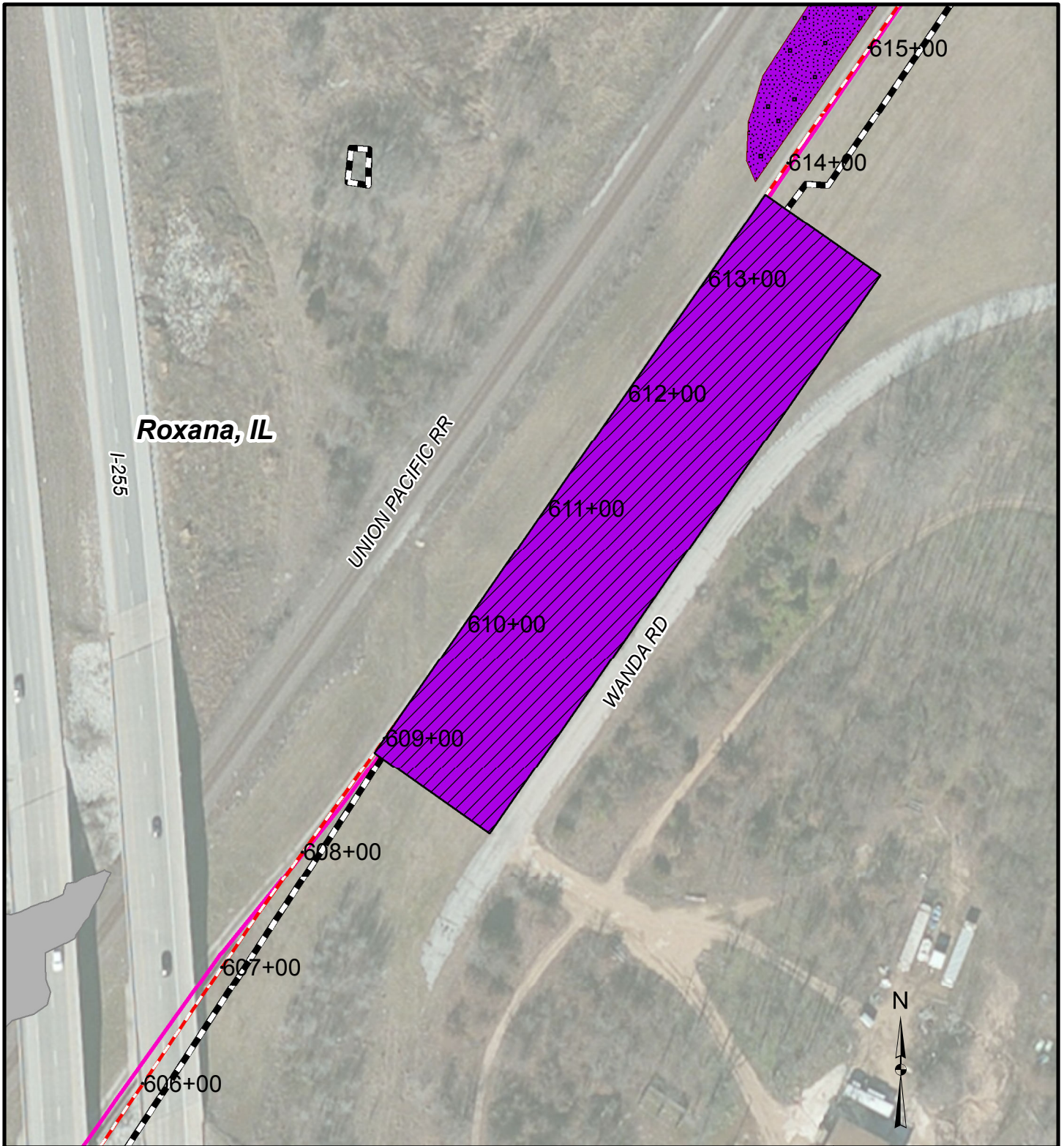
**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 592+35 TO 605+55

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary





Roxana, IL

I-255

UNION PACIFIC RR

WANDA RD

606+00

607+00

608+00

609+00

610+00

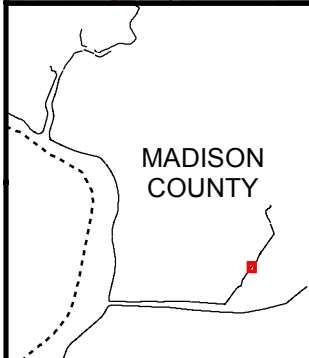
611+00

612+00

613+00

614+00

615+00



MADISON COUNTY






**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 10**

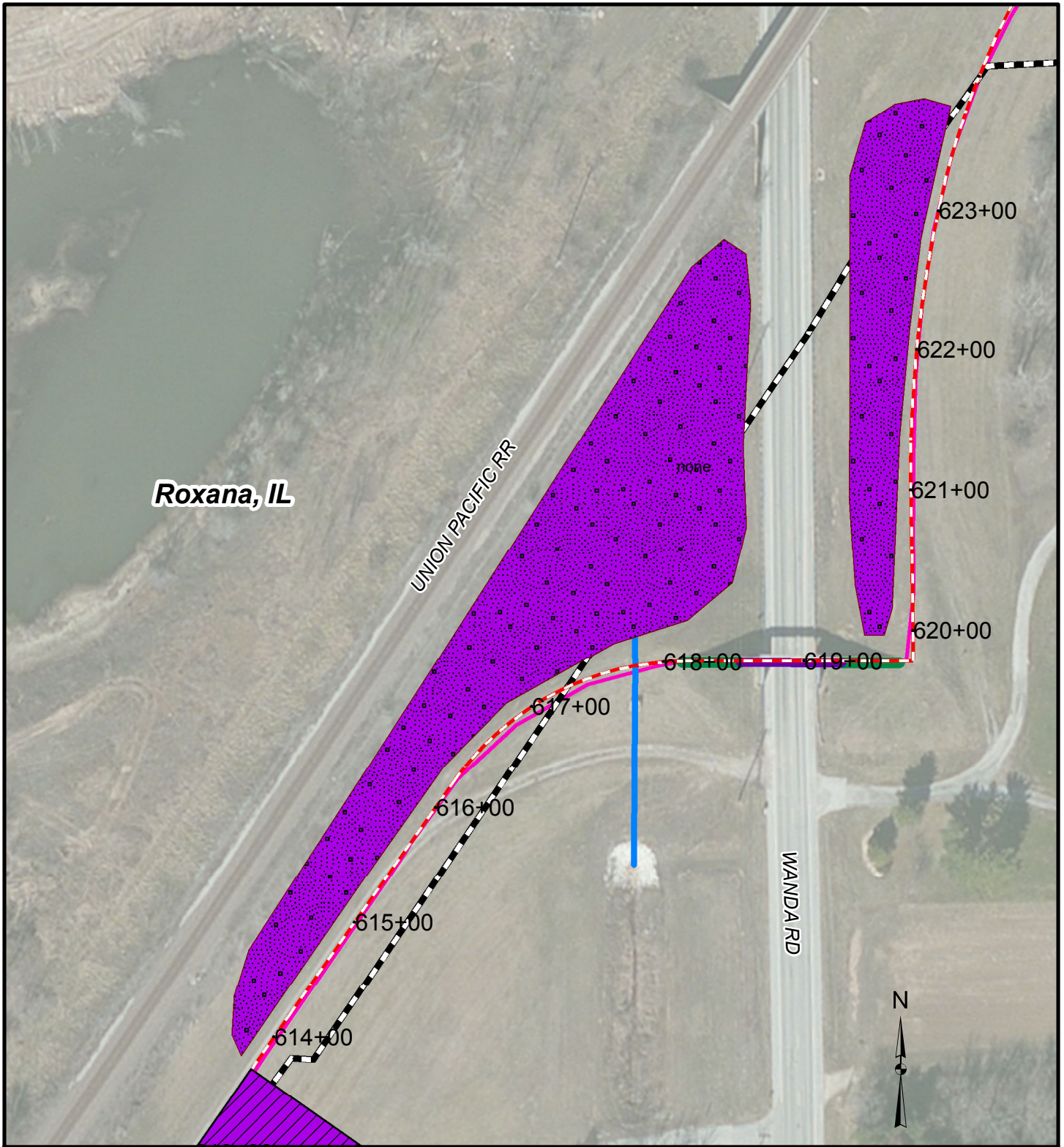
**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 608+85 TO 613+70

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary





Roxana, IL

UNION PACIFIC RR

WANDA RD

614+00

615+00

616+00

617+00

618+00

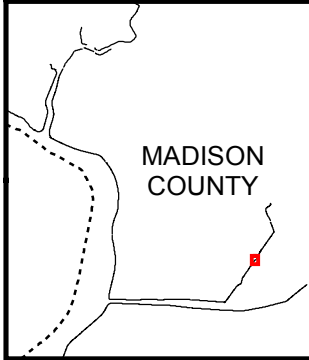
619+00

620+00

621+00

622+00

623+00



MADISON COUNTY

**USACE Authorized Level of Protection Planning and Analysis**

**BID PACKAGE 10**






**WOOD RIVER LEVEE SYSTEM**

DESIGN STA: 613+70 TO 623+80

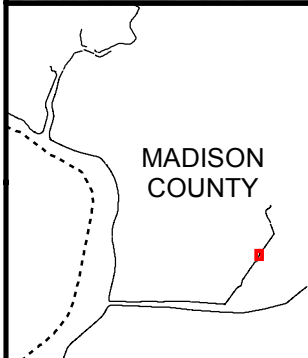
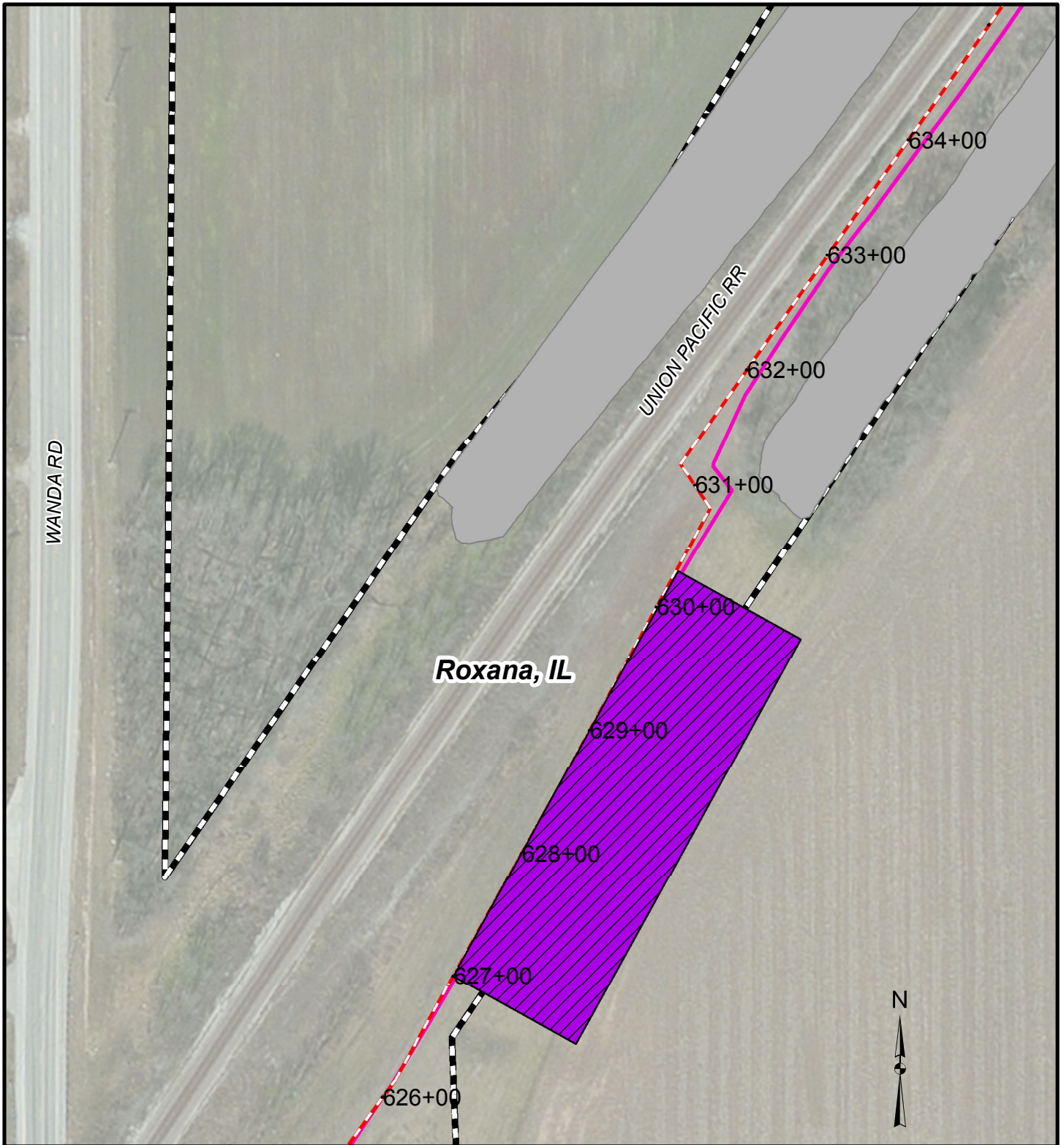
06/16/2015

SHEET 12 OF 13

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary










**USACE Authorized Level of  
Protection Planning and Analysis**

**BID PACKAGE 10**

**WOOD RIVER LEVEE SYSTEM**

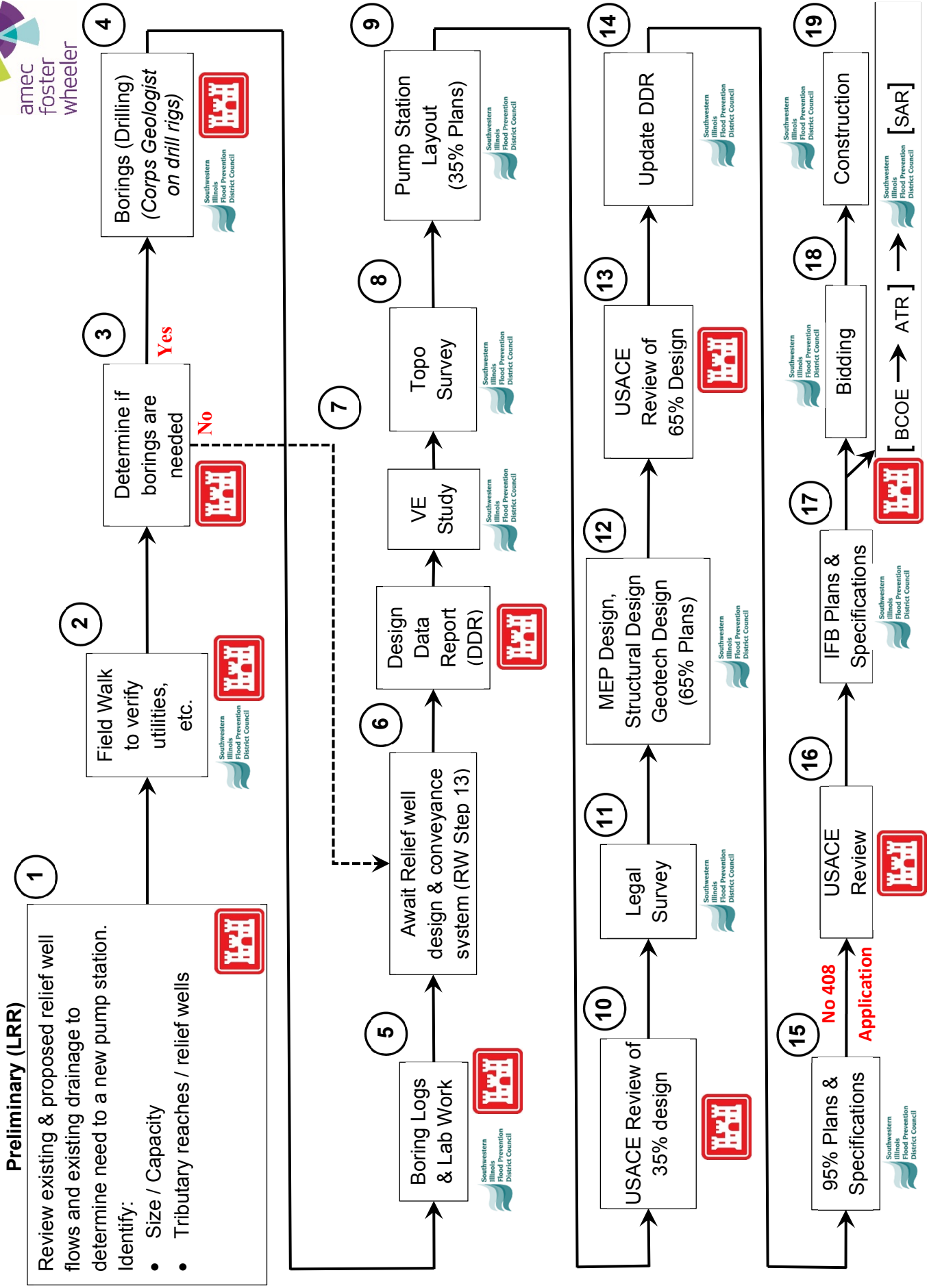
DESIGN STA: 627+00 TO 630+30

**Legend**

-  New Pump Station
-  New Seepage Berm
-  New Fill Area
-  New Relief Well
-  Municipality Boundary

## Appendix 2 – Design Process Flow Charts

# Authorized Level – Pump Station Design



# Authorized Level – Relief Well Design



## Preliminary (LRR)

Review existing sub-surface data & analyze underseepage to determine relief well solution. Identify:

- Relief well spacing per reach
- Station & Offset for each relief well
- "D" or "T" type relief well
- Discharge flow
- Discharge elevation

Corps Geologist on drill rigs

**1** Field Walk to verify wells will work

**Yes**

**2** Pilot Hole Drilling

**3** Pilot Hole Boring Logs & Lab Work

**4**

**5** Re-review well data with pilot hole data. Identify / Confirm:

- Relief well spacing per reach
- Station & Offset for each relief well
- "D" or "T" type relief well
- Discharge flow
- Discharge elevation
- Aquifer percent penetration

**6** Design Data Report (DDR)

**7** VE Study

**8** Topo Survey

**9** Relief Well Design (35% Plans)

**10** Check of Relief Well Design (35% Design)

**11** Identify Piezometer Locations

**12** Design of Conveyance Systems

**13** Determine Need for Pump Station

**14** Design of Pump Station as needed

**15** Legal Survey

**16** 65% Plans

**16** USACE Review of 65% Design

**17** Update DDR

**18** 95% Plans & Specifications

**19** USACE Review of 95% Design

**20** Bidding

**21** Construction

No 408 Application

[BCOE] → ATR

[SAR]



# Authorized Level – Seepage Berm Design



## Preliminary (LRR)

Review existing sub-surface data & analyze underseepage to determine seepage berm solution. Identify:

- Material type (semi-perv, sand, etc)
- Beginning & end of each berm
- Height at levee toe (define toe dist.)
- Design width (perp. to levee)
- Thickness at toe of berm

1

Field Walk to verify berm will work

No

Yes

2

Identify existing flood-related conflicts in berm footprint (relief wells, piezometers)

3

Determine if additional boring are needed

Yes

4

No

Corps Geologist on drill rigs

5

Borings (Drilling)

Boring Logs & Lab Work

6

7 Re-review berm design with new boring data. Identify / Confirm:

- Material type (semi-perv, sand, etc)
- Beginning & end of each berm
- Height at levee toe (define toe dist.)
- Design width (perp. to levee)
- Thickness at toe of berm

8

Design Data Report (DDR)

9

VE Study

10

Topo Survey

11

35% Plans

12

USACE Review of 35% Design

Identify Piezometer Locations

Utility Coordination

Re-work Drainage as Necessary

Interior Drainage Analysis

Legal Survey

65% Plans

USACE Review of 65% Design

20

Update DDR

21

95% Plans & Specifications

USACE Review of 95% Design

22

IFB Plans & Specifications

23

Bidding

24

Construction

25

[ BCOE → ATR ]

[ SAR ]





Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Bond Financing Schedule  
Date: June 15, 2015

As indicated at last month's meeting, Jeff White will be present this month to discuss the resolution (copy attached), for the Board's consideration, authorizing staff, counsel and consultants to begin work on financing in earnest, including soliciting proposals from bond underwriters, bank trustees and other required professionals. This will allow bond counsel to begin in-depth work on the creation of the necessary bond and disclosure documents to effect the financing.

This will keep us on schedule of having a bond sale accomplished before the end of the year. However, the schedule is dependent on the determination of the highest priority and cost effective projects by Amec Foster Wheeler and the completion of the Integral Determination Reports (IDRs), which identifies the projects which will be eligible to receive Work In-Kind Credit.

**Recommendation:**

Approve the bond resolution for funding additional flood prevention projects in the Metro East region.







**RESOLUTION  
OF THE  
SOUTHWESTERN ILLINOIS  
FLOOD PREVENTION DISTRICT COUNCIL**

**WHEREAS**, the Southwestern Illinois Flood Prevention District Council, an Illinois Flood Prevention District formed pursuant to 70 ILCS 750 (the “FPD”), is a governmental entity duly created and existing under the laws of the State of Illinois pursuant to an intergovernmental cooperation agreement among the Madison County Flood Prevention District, Madison County, Illinois (the “Madison County District”), the St. Clair County Flood Prevention District, St. Clair County, Illinois (the “St. Clair County District”) and the Monroe County Flood Prevention District, Monroe County, Illinois (the “Monroe County District” and, collectively with the Madison County District and the St. Clair County District, the “Districts”); and

**WHEREAS**, the FPD was created to undertake the construction, financing management, design and oversight of the levee system located in Southwestern Illinois protecting the area called the American Bottom; and

**WHEREAS**, Board of Directors of the FPD (the “Board”) has directed the FPD to pursue improvement of the levee system to cause as much of the levee system as possible to provide protection against flooding at a 500-year probability level (the “Project”); and

**WHEREAS**, the members of the Board (the “Directors”) hereby find and determine that it is necessary, advisable and in the best interest of the Districts, the FPD and the residents and landowners of the areas protected by the FPD’s levee system and the FPD desires to authorize the administration, officers, employees and agents of the FPD and the Districts to take certain actions in connection with the proposed issuance and sale of bonds or other obligations to finance the Project as herein provided;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL, AS FOLLOWS:**

**RESOLVED**, that the administration, officers, employees and agents of the FPD and the Districts are hereby authorized and directed to proceed with developing plans and specifications for the Project and to proceed with site preparation and other similar preliminary work in connection with the Project.

**RESOLVED FURTHER**, that the administration, officers, employees and agents of the FPD are hereby authorized and directed to proceed with developing a plan of financing for the costs of the Project through the issuance by the FPD of bonds or other obligations in one or more series (the “Local Bonds”) payable from a pledge of the Flood Prevention District Revenues (as hereinafter defined), such pledge on a portion of such Local Bonds to be on a parity with the pledge securing the existing bonds secured by the Flood Prevention District Revenues and such pledge on a portion of such Local Bonds to be subordinate to the pledge securing the existing bonds. Southwestern Illinois Development Authority (“SWIDA”) is expected to issue its bonds (the “SWIDA Bonds”) and use the proceeds thereof to purchase the Local Bonds. “Flood Prevention District Revenues” means (i) the Flood Prevention District Retailers’ Occupation Tax and the Flood Prevention District Service Occupation Tax imposed by Madison County, Illinois, St. Clair County, Illinois and Monroe County, Illinois pursuant to 70 ILCS 750/25 and (ii) any other revenues of the Districts and the FPD which are permitted to be used to pay debt service on the Local Bonds.

**RESOLVED FURTHER**, the Board hereby ratifies the selection of Columbia Capital Management, LLC, as the financial advisor to the FPD in connection with the financing and the selection of Thompson Coburn LLP as bond counsel and disclosure counsel in connection with the financing. The administration, officers, employees and agents of the FPD and the Districts are hereby authorized and directed to take such further action to proceed with such financing including selection of an underwriter in connection with the sale of the SWIDA Bonds using a request for proposals process (such selection to be subject to ratification by the Board of Directors), as well as the selection and employment of other transaction team members, including rating agencies, bank trustees and such other advisors to the FPD as are necessary to effect the transaction; provided, however, the Local Bonds shall not be issued and no contract for the sale of the Local Bonds shall be entered into without further authorization by the Board of Directors.

**RESOLVED FURTHER**, that the administration, officers, employees and agents of the FPD and the Districts are hereby authorized to contract with a bond insurance company for the issuance of a bond insurance policy guaranteeing the timely payment of the principal of and interest on the SWIDA Bonds.

**RESOLVED FURTHER**, that the FPD hereby authorizes the use of a preliminary official statement and an official statement setting forth information relating to the FPD, the District, the Project, the SWIDA Bonds and the Local Bonds in connection with the sale of the SWIDA Bonds.

**RESOLVED FURTHER**, that the FPD shall, and the administration, officers, employees and agents of the FPD are hereby authorized and directed to, take such further action, and execute such other documents, certificates and instruments as may be necessary or desirable to carry out and comply with the intent of this Resolution.

**RESOLVED FURTHER**, that all actions heretofore or hereinafter taken by the Directors or the FPD and its representatives in connection with, or with respect to the matters referred to in the foregoing resolutions are hereby confirmed, ratified and approved in all respects.

**ADOPTED** by the Board of Directors this \_\_\_\_ day of June, 2015.

\_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors