



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BOARD OF DIRECTORS MEETING

**August 17, 2022 7:30 am**

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

1. Call to Order  
*Max Merz, President*
2. Roll Call  
*John Conrad, Secretary/Treasurer*
3. Approval of Minutes of July 20, 2022
4. Public Comment on Pending Agenda Items
5. Program Status Report  
*Chuck Etwert, Chief Supervisor*
6. Budget Update and Approval of Disbursements  
*Chuck Etwert, Chief Supervisor*
7. Design and Construction Update  
*Jon Omgig, Wood Environment & Infrastructure Solutions, Inc.*
8. FY 2023 Flood Prevention District Council Budget  
*Chuck Etwert, Chief Supervisor*
9. Flood Prevention District Council Annual Report  
*Chuck Etwert, Chief Supervisor*
10. Selection of Contractor to Perform Construction Activities In Bid Package #11 –  
Underseepage Controls from 774+00 to 889+00  
*Wood Environment & Infrastructure Solutions, Inc.*  
*Chuck Etwert, Chief Supervisor*

AGENDA

11. Wood Work Order #20 Amendment #2  
*Wood Environment & Infrastructure Solutions, Inc.*  
*Chuck Etwert, Chief Supervisor*
12. Update from Corps of Engineers  
*Tracey Kelsey, U.S. Army Corps of Engineers*
13. Election of Officers for 2022-2023  
*Chuck Etwert, Chief Supervisor*
14. Public Comment  
  
Executive Session – Purchase or Lease of Real Property
15. Real Estate transactions (if necessary)
16. Other Business
17. Adjournment

**Next Meeting: September 21, 2022**

## MINUTES

### SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING July 20, 2022

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 July 20, 2022.

#### Members in Attendance

Max Merz III, President (Madison County Flood Prevention District)  
John Conrad, Secretary/Treasurer (Chair, Monroe Flood Prevention District)  
Bruce Brinkman, Monroe County Flood Prevention District  
Aaron Metzger, Monroe County Flood Prevention District  
Alvin Parks, Jr., St. Clair County Flood Prevention District  
David Schwind, Madison County Flood Prevention District

#### Members Absent

Debra Moore, Vice-President (Chair, St. Clair County Flood Prevention District)  
Isabelle Crockett, St. Clair County Flood Prevention District

#### Others in Attendance

Chuck Etwert, SW Illinois FPD Council  
Randy Cook, Wood Environment & Infrastructure Solutions, Inc.  
Scott Hillman, MESD  
Tracey Kelsey, U.S. Army Corps of Engineers  
Jay Martin, Wood Environment & Infrastructure Solutions, Inc.  
Kevin Williams, Wood River Drainage & Levee District

#### **Call to order**

President Max Merz noted the presence of a quorum and called the meeting to order at 7:30 a.m.

Mr. Merz asked for a roll call to confirm that a quorum was present and the following indicated their attendance.

Mr. Brinkman – Present  
Mr. Conrad – Present  
Mr. Merz - Present  
Mr. Metzger - Present  
Mr. Parks - Present  
Mr. Schwind – Present

A quorum was present.

**Approval of Minutes of May 18, 2022**

Mr. Merz asked for a motion to approve the minutes of the Board meeting held on May 18, 2022. A motion was made by Mr. Parks seconded by Mr. Brinkman, to approve the minutes of the Board meeting held on May 18, 2022. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye  
Mr. Conrad – Aye  
Ms. Crockett – absent  
Mr. Merz - Aye  
Mr. Metzger – Aye  
Dr. Moore – absent  
Mr. Parks – Aye  
Mr. Schwind – Aye

The motion was approved.

**Public Comment on Pending Agenda Items**

Mr. Merz asked if there were any comments from the public on any agenda item on today’s agenda. There were no comments.

**Program Status Report**

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

He briefly highlighted recent changes to the status of the Authorized Level Projects since the last meeting.

**500-Year Authorized Level Status**

He indicated the Council continues to wait for the completion of Corps of Engineers reviews.

### Wood River Levee System

Wood is awaiting a response regarding the April 1st submittal for LERRDs credit in Wood River. The total amount requested is \$746,490.10.

Wood continues to wait for a decision from USACE regarding their November 17<sup>th</sup> letter requesting approval for the FPD Council to construct another Work In-Kind project, Bid Package #9. The Corps requested additional information regarding project scope and schedule on June 13<sup>th</sup>. This should be the last FPD Council project in the Wood River Levee System.

### MESD Levee System

Wood is still waiting for completion of the USACE Agency Technical Review (ATR) for Bid Package #11.

The advertising for Bid Package #11 began on June 23<sup>rd</sup>. A pre-bid meeting and project site visit was held on July 8<sup>th</sup>. Bids are due on August 8, 2022 and it is anticipated Wood will bring a construction award recommendation at the August meeting.

Current estimated construction cost with contingencies is \$12,000,000.

Bid Package #18A – Wood will discuss the draft flow study report submitted USACE during their Design and Construction Update later in the meeting.

Preliminary estimated construction cost with contingencies is \$8,800,000.

Wood is awaiting a response for the first Lands, Easements, Rights-of-Way, Relocation, and Disposal Areas (LERRDs) submittal for the East St. Louis Levee System, which was submitted to USACE on June 2, 2022. The total amount requested for credit is \$1,733,030.54.

### Prairie Du Pont/Fish Lake Levee Systems

Detailed design work and survey on Bid Package #15 is underway (30% submittal early September) and geotechnical analyses to confirm improvements to be part of Bid Packages #16 and #17 are underway.

Mr. Merz asked for a motion to accept the Program Status Report for July 2022. A motion was made by Mr. Schwind to accept the Program Status Report for July 2022. Mr. Parks seconded the motion. Mr. Conrad called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye  
Mr. Conrad – Aye  
Ms. Crockett – absent  
Mr. Merz - Aye  
Mr. Metzger - Aye  
Dr. Moore – absent  
Mr. Parks – Aye  
Mr. Schwind – Aye

The motion was approved unanimously.

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

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

Mr. Etwert noted the financial statements for May and June 2022 prepared by fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the months ending May 31, 2022 and June 30, 2022 as compared to the according fiscal year budget.

Accrued expenditures for the fiscal year beginning on October 1, 2021 thru May 31, 2022 were \$11,773,400 while revenues amounted to \$10,679,307 resulting in a deficit of \$6,913,774.

Accrued expenditures for the fiscal year beginning on October 1, 2021 thru June 30, 2022 were \$17,798,303 while revenues amounted to \$12,127,810 resulting in a deficit of \$5,670,492.

A total of \$46,989,936 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$1,447,196 for March 2022 were down 2.05% from last year and monthly sales tax receipts of \$1,461,780 for April were up 9.41% from last year, with all three counties having the highest receipts ever for the month of April. Receipts for the year are up 7.52%.

He reminded everyone, the lower March receipts followed fourteen months of the highest receipts ever for each month for each county. So it was nice to see the April receipts for each county rebound to the previous positive trend.

He also provided the bank transactions for May and June 2022. Total disbursements for May were \$160,765.57 and for June \$205,221.01, with the largest payments being to Wood.

Copies of each transaction were available for viewing.

Mr. Parks pointed out the accrued expenditures of \$11,773,400 thru May 31<sup>st</sup> appeared to be incorrect. Mr. Etwert confirmed it was a typo and provided the correct amount of \$17,593,081.

There was a brief discussion and comparison of the March 2021 receipts, the first month of receipts reflecting the “Leveling the Playing Act”, and the March 2022 receipts

Mr. Merz asked for a motion to accept Mr. Etwert’s budget reports and disbursements for May and June 2022. A motion was made by Mr. Brinkman seconded by Mr. Schwind to accept the budget reports and approve the disbursements for May and June 2022

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

- Mr. Brinkman – Aye
- Mr. Conrad – Aye
- Ms. Crockett – absent
- Mr. Merz - Aye
- Mr. Metzger - Aye
- Dr. Moore – absent
- Mr. Parks – Aye
- Mr. Schwind – Aye

The motion was approved unanimously.

### **Design and Construction Update**

Mr. Merz called on Jay Martin, Wood Environment & Infrastructure Solutions, Inc., to provide an update report.

He discussed highlights from the PowerPoint® presentation, which was included in the agenda package. His presentation focused on the Authorized Level (500-Year) Design and Construction, with Randy Cook providing an overview of the Bid Package #18A Flow Evaluation Study.

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

#### **Wood River (Bid Packages 8, 9, and 10)**

- Bid Package 8 (relief wells & a pump station)

Design is complete – project is being constructed by USACE

- Bid Package 9 (1 large seepage berm in Roxanna)

**USACE is preparing the Engineering Documentation Report (EDR)**

**Light coordination over the past month**

**MESD (Bid Packages 11, 12, 14A, 14B, 18 & 18A)**

- Bid Package 11 (relief wells & a pump station)

Submitted to USACE for ATR Review on June 28, 2021

**Final ATR Report still pending**

**BCOES comments have been received, responses are Underway. (Comments were minor.)**

**Advertised for construction on June 23**

**Bids are due August 8**

- Bid Packages 12 (relief wells)

Being Designed/Constructed by USACE

Land acquisition is underway

- Bid Package 14A (riverside clay cap and cutoff trench)

USACE is reviewing closeout documentation

- Bid Package 14B (filter blanket under I-70 bridge)

Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete

ROW Acquisition is underway

**Re-survey of area completed June 2022**



- Bid Package 18 (relief wells, pipe & pump station modifications)

Construction is complete

Closeout documentation is underway

- Bid Package 18A (pump station & pipe replacement)

**Report submitted to USACE on June 14, 2022**

**Awaiting USACE comments**

**Ultimately USACE will need to approve this as a WIK project**

#### **Prairie Du Pont & Fish Lake (Bid Packages 15, 16, 17)**

- Phase III Drilling Plan:
  - Oct. 10, 2021: Submitted for review
  - Mar. 22, 2022: Comments received from USACE
  - Apr. 18, 2022: Submitted responses to comments
  - **May 23, 2022: USACE Approval**
- Survey & design of Bid Package #15 is underway
- Coordinating with USACE, levee districts and landowners as appropriate
- 100% FPD Council funded design and construction (No Federal match)

Next, Randy Cook provided an overview of the Bid Package #18A Flow Evaluation Study, also utilizing a PowerPoint® presentation.

- Report analyzed flow meters installed to measure relief well discharge during spring/summer 2019 flood.

- Extremely valuable data was obtained as a result of there being a 100-year flood while meters were installed
- Data was used to calibrate relief well models and added to the body of knowledge of relief well design

Overview included Mississippi River Flood Frequencies, Relief Well Types & Surcharging, Typical Pump Station & Collection System, Relief Well Collection System Construction, and Flow Meter Results.

Recommendations:

- Upsize Site 9 Pump Station, Collection Pipes, and Force Main
- No Change to Site 10 Pump Station
- Downsize Site 16 Pump Station and Force Main
- Replace Outfall Structures at Site 9, 10, and 16 to Prevent Erosion

Cost Savings/Value Engineering:

- Move Site 16 Pumps and Force Main Pipe to New Site 9
- Move Site 9 Pumps and Force Main to Site 16

There was a brief discussion regarding low river levels affecting pump station/collection system operations and construction. Mr. Cook indicated there were no negative effects on system operations due to low river conditions.

There was also a brief discussion regarding relief well flow ratings and actual flows measured.

Mr. Etwert indicated that this was an additional project that has developed over the last three years, and it is felt to be necessary to correctly achieve the Authorized Level of Protection. The \$8.8 million cost of the project has been included in all budget projections.

Mr. Merz asked for a motion to accept the Design and Construction Update and Flow Evaluation Study. A motion was made by Mr. Parks with a second by Mr. Brinkman, to accept the Wood Environment & Infrastructure Solutions, Inc. Design and Construction Update and Flow Evaluation Study.

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

Mr. Brinkman – Aye  
Mr. Conrad – Aye  
Ms. Crockett – absent  
Mr. Merz - Aye  
Mr. Metzger - Aye  
Dr. Moore – absent  
Mr. Parks – Aye  
Mr. Schwind – Aye

The motion was approved unanimously.

#### **Draft FY 2023 Annual Budget**

Mr. Merz asked Mr. Etwert to explain this item:

Mr. Etwert explained, the Board first reviews the draft budget for the coming fiscal year at the July Board meeting, with final adoption at the August meeting. By law, the Council's budget must be adopted by August 31st of each year for the fiscal year beginning October 1st. The budget must be submitted to the county boards for approval after which they have 30 days to act on it.

In FY 2022, the East St. Louis/MESD Levee System, which was previously accepted as structurally sound, received a letter of continued accreditation. With letters of accreditation previously received for the Wood River Upper, Wood River Lower, the Wood River East/West Forks Levee Systems, and the Prairie Du Pont/Fish Lake Levee Systems, the total accreditation process for all of the Metro East Levee Systems has been successfully completed.

The Council achieved its interim goal of attaining FEMA flood protection standards and obtaining accreditation, using only the funds generated from the dedicated flood protection sales tax.

All of the improvements built have been tested by high river events (the second highest event on record at 46.02 ft. and the longest flood event on record at 126 days, during May/June 2019) and have successfully performed as designed and protected the Metro East area.

In conjunction with its long term goal of achieving the 500-Year Level of Protection, the Council in 2015, adopted a resolution expressing the Official Intent to Restore the Federal Authorized Level of Mississippi River Flood Protection in the Metro East,

The first two Authorized Level projects, Bid Packages #14A and #18 have been completed.

The FY 2023 budget focuses on the continued design of Authorized Level projects and the construction of Bid Packages #9, #11, and #14B. Bid Package #11 was originally scheduled for construction in FY 2022, however, lengthy reviews by the Corps of Engineers has delayed the construction almost a year.

All required five percent cash contributions to the Corps of Engineers for Design Deficiency Projects have been completed. There is funding for the Corps of Engineers for oversight on the Prairie Du Pont/Fish Lake design and construction, if needed. Administrative expenditures, which are a relatively small portion of our costs, remain virtually unchanged for the next year.

In general, expenditures for next year's budget are based on the design and construction of the Authorized Level projects. The past practice of making conservative revenue and expenditure assumptions has been continued.

A draft FY 2023 budget is shown in Table 1.

Key assumptions are:

1. Corps of Engineers reviews will be timelier in FY 2023 and projects identified for construction will be bid and awarded.
2. The level of Council staffing does not change in FY 2023, and general and administrative costs continue to remain a very small portion of the project expenditures. Staff resources continue to be supplemented by the significant use of consulting and professional services.
3. In accordance with the bond indenture, all sales tax receipts are intercepted by the Trustee and after all financial requirements for debt, construction, and administration have been satisfied, surplus funds are transferred to each County for deposit in a County Flood Prevention District Sales Tax Fund for future Council project financing. The surplus transfers are shown as expenditures in the budget.
4. A 10% construction cost contingency is included for all construction on all projects to be built.
5. Sales tax revenue is estimated to increase by 3% over the amount projected to be collected in FY 2022 (see comment #4 under Table 3). Interest income is estimated to be \$100,000.
6. Funding for Corps of Engineers' for oversight on the Prairie Du Pont/Fish Lake design and construction and has been included, if needed.

7. The Council will continue to work with levee districts in identifying potential funding sources, where and if needed, for the maintenance and operations of the 100-Year Improvements and Authorized Level Improvements being built. Life Cycle Costs Reports for the 100-Year Improvements have been provided to each of the Levee Districts.
8. After all of the funds held by the Council are expended, the three County FPD sales tax funds will be used for the 500-Year Authorized Level Projects. Requests to each County are now anticipated to occur in October 2023 and July 2024. There is currently \$46,989,936 in the County FPD sales tax funds.
9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers' utilization of the Risk Informed Process and Risk Assessment. The Council will continue to work with the Corps of Engineers regarding project priorities and design & construction responsibilities between the Corps and Wood.

Table 2 provides more details on the project expenditures for design, construction management, and construction.

Table 3 compares the Estimated Authorized Level Funding Needed for FY 2023 thru FY 2026 to the Estimated Available Authorized Level Funding FY 2023 thru FY 2026. Best and worst case scenarios are provided, indicating a wide range of results. If none of the 10% to 20% contingencies, Wood has included in their overall project estimates, are utilized, there would be sufficient funds to complete the projects by FY 2025. However, if all of the Wood contingencies are utilized, Bid Package #17 would need to be delayed until FY 2026. Either way, at this time, it appears a third bond issue would not be needed.

The Authorized Level is still early in the design/build process and there are many factors that could affect required funding:

1. The Corps continued utilization of the Risk Informed Process could reduce costs.
2. As projects are better defined, designed, and bid, estimates could be reduced, such as was the case with the 100-Year Projects, where early overall estimates were \$160 million dollars and the project came in at around \$120 million dollars.
3. The Corps is updating their certified estimates for the Wood River (\$85,290,000 – October 30, 2018) and East St. Louis/MESD (\$156,313,000 – November 24, 2017). They hope to have new estimates by September 30<sup>th</sup>. The Councils non-federal share will be adjusted accordingly.

4. Similar to the last two years, projecting sales tax revenues is a challenge. In FY 2020, COVID started in March and sales tax revenues were down \$206,868. In FY 2021, because of COVID, a twenty-five percent reduction in revenues was budgeted, however, due to the passing of the “Leveling the Playing Field Act” passed by the state, revenues were up seventeen percent. Currently, FY 2022 revenues are projected to increase sixteen percent over FY 2021 revenues.

After experiencing the highest sales tax revenues for each county for fourteen consecutive months, receipts the last two months were -2.05% and +9.41% compared to 2021. Therefore, sales tax receipts have been conservatively increased by 3% for FY 2023, 2% for FY 2024, and 1% for FY2025 and FY 2026.

5. COVID, inflation rates, sales tax revenues, and Corps reviews times will determine funding capabilities and construction schedules.

He referred to Table 3, which indicates if none of the Wood contingencies are needed, there would be a fund balance of \$15,567,175 on September 30, 2026. If all of the Wood contingencies were needed, Bid Package #17 would have to be delayed until FY 2026 and the fund balance would be \$2,417,101 on September 30, 2026.

Normally, at the end of Table 3, he said he would indicate the shortage of funds needed to complete the Authorized Level Projects. Last year, he said he indicated around nine million dollars, and in 2020, around twenty million dollars. However, due to the “Leveling the Field Sales Tax Act” sales tax receipts are up four million dollars a year.

Therefore, the estimate of a three percent increase in sales tax receipts for FY 2023 is very conservative. The last two years sales tax receipts have increased seventeen and sixteen percent. He didn’t see FY 2023 being in that range, but a nine percent increase could be possible. In addition, there is the current inflationary trend, which also makes projecting costs and fund balances difficult. He indicated, we will just have to wait and see how everything plays out.

After considering any comments or suggestions over the next month, a final FY 2023 budget will be presented at the August Board meeting for adoption and forwarding to the county boards for their approval.

There was a brief discussion regarding inflation and the contingencies added to each project construction cost estimate. Mr. Etwert indicated, the opening of Bid Package #11 will help provide a better estimate of where project costs are and the draft budget presented would be adjusted, if necessary.

It was asked how much had construction costs estimates been increased. Mr. Etwert indicated estimated construction costs had been increased roughly twenty percent or thirteen million dollars to a new total of seventy-two million dollars.

Lastly, there was brief discussions regarding the number of contractors interested in Bid Package #11. It was indicated, at least three of the contractors had previously performed work in the Metro East area.

Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BUDGET  
OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023  
DRAFT**

	ACTUAL EXPENDITURES OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	ADOPTED BUDGET OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROJECTED EXPENDITURES OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROPOSED BUDGET OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 14,082,547	\$ 14,000,000	16,329,472	\$ 16,819,356
Interest Income	140,979	50,000	116,272	100,000
Other Contributions			-	-
Total Revenues	<u>\$ 14,223,526</u>	<u>\$ 14,050,000</u>	<u>\$ 16,445,744</u>	<u>\$ 16,919,356</u>
<b>EXPENDITURES</b>				
Design and Construction				
Engineering Design & Construction Management	2,528,686	5,198,000	2,140,000	5,223,000
Construction	4,362,568	12,601,700	1,853,367	23,550,000
USACE Authorized Level Costs	-	500,000	-	500,000
Total Design and Construction	<u>\$ 6,891,254</u>	<u>18,299,700</u>	<u>3,993,367</u>	<u>29,273,000</u>
Professional Services				
Legal & Legislative Consulting	26,971	190,000	61,598	190,000
Financial Advisor	18,300	65,000	17,150	65,000
Bond Trustee Fee	14,130	12,000	12,000	12,000
Total Professional Services	<u>\$ 59,401</u>	<u>\$ 267,000</u>	<u>\$ 90,748</u>	<u>\$ 267,000</u>
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	<u>\$ 3,559,997</u>	<u>\$ 1,000,000</u>	<u>\$ 6,046,227</u>	<u>\$ 3,500,000</u>
Debt Service				
Principal and Interest	9,393,081	9,474,781	9,474,781	9,549,731
Total Debt Service	<u>\$ 9,393,081</u>	<u>\$ 9,474,781</u>	<u>\$ 9,474,781</u>	<u>\$ 9,549,731</u>
Total Design & Construction Expenses	<u>\$ 19,903,733</u>	<u>\$ 29,041,481</u>	<u>\$ 19,605,123</u>	<u>\$ 42,589,731</u>
General and Administrative Costs				
Salaries, Benefits	234,438	240,000	225,941	251,000
Bank Service Charges	567	1,000	565	1,000
Equipment and Software	444	2,000	1,163	2,000
Fiscal Agency Services	34,705	37,000	36,278	38,500
Audit Services	17,500	19,000	18,000	19,500
Meeting Expenses	176	1,000	250	1,000
Postage/Delivery	558	1,000	514	1,000
Printing/Photocopies	1,790	2,000	1,378	2,000
Professional Services	-	10,000	350	10,000
Supplies	496	3,000	815	3,000
Telecommunications/Internet	3,338	3,000	1,751	3,000
Travel	155	5,000	200	5,000
Insurance	516	1,000	6,098	8,000
Total General & Administrative Costs	<u>294,683</u>	<u>\$ 325,000</u>	<u>293,303</u>	<u>345,000</u>
Total Expenditures	<u>20,198,416</u>	<u>\$ 29,366,481</u>	<u>\$ 19,898,426</u>	<u>42,934,731</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(5,974,890)	\$ (15,316,481)	\$ (3,452,682)	\$ (26,015,375)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (5,974,890)</u>	<u>\$ (15,316,481)</u>	<u>\$ (3,452,682)</u>	<u>\$ (26,015,375)</u>
PROJECTED FUND BALANCE SEPTEMBER 30, 2022				\$65,383,503
PROJECTED FUND BALANCE SEPTEMBER 30 2023				\$39,368,128



**Table 2**  
**Estimated Project Expenditures 10.1.2022 -9.30.2023**

<b>Design &amp; Construction Management</b>	<b>FY 2023</b>
<b>Engineering Design</b>	
<i>W. O. #1 Program Mgmt.</i>	\$150,000
<i>W. O. #3 Preconstruction Activities</i>	\$15,000
<i>W. O. #3 Flood Activities</i>	\$15,000
<b>Authorized Level Work Orders</b>	
<i>W.O. #13 Wood River Field &amp; Design BP #8, BP #9, &amp; BP #10</i>	\$150,000
<i>W.O. #14 MESD Field &amp; Design</i>	\$350,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field &amp; Design</i>	\$3,000,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>	\$150,000
<i>W.O. #19 Wood River LERRD's</i>	\$40,000
<i>PDP/FL LERRD'S</i>	\$150,000
<i>Illinois DNR Fees</i>	\$3,000
<b>Construction Management.</b>	
<i>W. O. #? Construction Management BP #9, BP #11, BP14B &amp; BP #15</i>	\$1,200,000
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION MGMT.</b>	<b>\$5,223,000</b>
<b>Construction</b>	
<i>Bid Package #9 - WOOD RIVER</i>	\$1,200,000
<i>Bid Package #11 - MESD</i>	\$12,000,000
<i>Bid Package #14B - MESD</i>	\$3,800,000
<i>Contingency (10% FPD Construction)</i>	\$1,700,000
<i>Utilities</i>	\$200,000
<i>Property Acquisition Authorized Level - Wood River</i>	\$200,000
<i>Property Acquisition Authorized Level - East St. Louis</i>	\$1,500,000
<i>Property Acquisition Authorized Level - Prairie Du Pont/Fish Lake</i>	\$500,000
<i>Wetland Mitigation</i>	\$600,000
<i>HazMat Mitigation</i>	\$1,500,000
<i>Legal</i>	\$350,000
<i>Corps of Engineers Authorized Level Costs</i>	\$500,000
<b>TOTAL CONSTRUCTION</b>	<b>\$24,050,000</b>
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION</b>	<b>\$29,273,000</b>
<b>REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS</b>	<b>\$3,500,000</b>

<b>Operations &amp; Financing</b>	
<i>General &amp; Administrative</i>	\$345,000
<i>Debt Service</i>	\$9,549,731
<i>Professional Services</i>	
<i>Legal</i>	\$190,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
<b>TOTAL OPERATIONS</b>	<b>\$10,161,731</b>
<b>TOTAL EXPENSES</b>	<b>\$42,934,731</b>

**Table 3**

***Estimated Authorized Level Funding Needed FY 2023 to FY2026***

	<b>WOOD CONTINGENCIES NOT UTILIZED</b>	<b>WITH ALL WOOD CONTINGENCIES &amp; BP#17 DELAYED</b>
<i>Bid Package #11- MESD</i>	\$10,434,782	\$12,000,000
<i>Bid Package #14B- MESD</i>	\$3,454,545	\$3,800,000
<i>Bid Package #18A- MESD</i>	\$7,333,333	\$8,800,000
<i>Bid Package #9 - WOOD RIVER</i>	\$1,666,666	\$2,000,000
<i>Bid Package #15 - PDP/FL</i>	\$16,750,000	\$20,100,000
<i>Bid Package #16 - PDP/FL</i>	\$9,750,000	\$11,700,000
<i>Bid Package #17 - PDP/FL</i>	\$11,333,333	\$13,600,000
<i>Engineering Design &amp; Construction Management</i>	\$10,136,000	\$10,301,000
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$13,922,266	\$15,700,000
<i>General &amp; Administrative and Professional Services</i>	\$2,443,000	\$2,443,000
<b>CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED</b>	<b>\$87,223,925</b>	<b>\$100,444,000</b>

***Estimated Available Authorized Level Funding FY2023 to FY2026***

<i>Cash &amp; 2015 Bond Project Funds (9/30/2022)</i>	\$25,536,967	\$25,536,967
<i>County FPD Tax Funds (9/30/2022)</i>	\$46,989,936	\$46,989,936
<i>Additional Sales Tax Revenue After Debt Service</i>	\$30,136,198	\$30,136,198
<i>Interest</i>	\$198,000	\$198,000
<b>Available Funding</b>	<b>\$102,861,101</b>	<b>\$102,861,101</b>
<b>Current Estimated Balance on 9/30/2026</b>	<b>\$15,637,175</b>	<b>\$2,417,101</b>

Mr. Merz asked for a motion to accept Mr. Etwert's report on the Draft FY 2023 Flood Prevention District Council Budget. A motion was made by Mr. Schwind to accept Mr. Etwert's report on the Draft FY 2023 Flood Prevention District Council Budget. Mr. Parks seconded the motion.

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

Mr. Brinkman – Aye  
Mr. Conrad – Aye  
Ms. Crockett – absent  
Mr. Merz - Aye  
Mr. Metzger - Aye  
Dr. Moore – absent  
Mr. Parks – Aye  
Mr. Schwind – Aye

The motion was approved unanimously.

### **Corps of Engineers Update**

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

Ms. Kelsey highlighted her PowerPoint® presentation, which was included in the agenda package to illustrate her remarks. Her presentation focused on the status of the Metro East Projects as follows:

### **USACE UPDATE**

#### **Metro East Projects, IL**

##### **Project Status**

- **East St. Louis**

- **Cutoff Wall/Jet Grout**

- Contractor finishing on site work. On track for November 22 completion

- **Relief Well Package 12 Phase 1**

- Installation of relief wells continues. 106 total relief wells, 38 installed

- **Bid Package 12 Phase 2 (combination of Phase 2 and Phase 3)**
  - PDT continues with design – approximately 65% complete
  - Coordination with IDOT, TRRA, Veolia, Alton-Southern continues
  - Contract Award 3QFY25
  
- **Bid Package 14C – North Flank Berms** 4QFY 24
  
- **Total Project Cost Update in progress**
  - WIK submittal received from Wood June 2, 2022
  
- **LERRD credit requests can be submitted at any time – recommend not waiting until end of project** – initial submittal received June 7, 2022
  
- **WIK BP 11 –**
  - ATR - Final report routing for signatures
  - BCOES – Wood is evaluating comments
  
- **Wood River**
  - **Canal Road Pump No. 1 (BP-8; 1PS and 22 RWs)**
    - Contract awarded 04Nov21 (A)
    - Reviewing submittals; site work delayed by rain
  
  - **Relief Well Package #1 – 24 wells**
    - Contract awarded 02Dec21 (A)
    - Preconstruction submittals are complete
    - Mobilization week of July 11

- **Canal Road Pump No. 2, and 3**
  - Issued solicitation 28Apr22 (A)
  - Pre bid site visit 12May22
  - Contract award 24Aug22
  
- **Reach 5 Berm Solution** FY23 (TBD)
  - Shift from relief well/pump station solution to berm solution
  - USACE to identify dimensions of berm
  - FPD anticipated to design/construct via work-in-kind

Additional federal funds required for:

- **Relief Well Package #2 – 56 Relief Wells, and associated ditch work**
  - City of Wood River has alternate plans for site making it difficult to secure required rights-of-way.
  - Potential ditch work re-design get seepwater to nearest PS on hold pending City of Wood River input on acceptable Real Estate footprint (i.e.; acceptable construction limits)
  - City also informed that they need to coordinate further with USACE Regulatory prior to developing site
  - Contract award (dependent on securing necessary real estate from City) FY23
  
- **Relief Well Package #3 – 30 Relief Wells**
  - Contract award (depending on securing necessary real estate) FY23
  
- **Pump Station Modifications (at Wood River Hawthorne)**
  - Contract award (final BCOES this summer) early FY23

- **LERRD credit requests can be submitted at any time – recommend not waiting until end of project**

LERRD credit request No. 1 received for BP-8, RW#1, and RW#3, Canal Road Pump Stations.

Comments provided to Wood, PLC

- **Total Project Cost Update in progress**

Need costs for complete WIK (BP-8) – FPD

Need costs for completed LERRD No.1 request – USACE currently reviewing

Factoring in preliminary estimates for pivot to berm solution near Roxana

Critical for future budget requests

- **Funding**

Approximately \$13.1 M additional Federal funds needed to complete the project based on October 2018 estimate

- **Mel Price Segment of Upper Wood River**

- Reach 1 Relief Wells contract 03Jun21 (A)  
All relief wells are installed
- Reach 2 Relief Wells BCOES certification 30Sep21 (A)
- Reach 2 Relief Wells ROW certification 08Aug22
- Reach 2 Relief Wells contract award 15Aug22
- Complete Mitigation FY22
- OMRR&R Payment to Wood River Drainage and Levee District FY23
- Project Closeout FY24

- **Challenges**

- Continued IOP execution

- Real Estate Acquisition (MVS action since 100% federally funded)

- **Prairie du Pont/Fish Lake**

- **Continue coordination with Wood on current bid package**

Mr. Merz thanked Ms. Kelsey and asked for a motion to accept the Corps of Engineers Update Report. A motion to accept the Corps of Engineers Update Report was made by Mr. Parks with second by Mr. Brinkman on the motion.

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

Mr. Brinkman – Aye  
Mr. Conrad – Aye  
Ms. Crockett – absent  
Mr. Merz - Aye  
Mr. Metzger - Aye  
Dr. Moore – absent  
Mr. Parks – Aye  
Mr. Schwind – Aye

The motion was approved unanimously.

**Public Comment**

Mr. Merz asked if there was any public comment. There was none.

Mr. Merz indicated there would not be an Executive Session or any Real Estate Transactions as listed on the agenda.

**Other Business**

Mr. Merz asked if there was any other business. There was none.

Mr. Parks commended Mr. Etwert on assembling the draft budget under these difficult times with COVID and inflation.

**Adjournment**

Mr. Merz asked to adjourn the meeting with a voice vote and all present voted aye.

Mr. Etwert indicated the next meeting would be on August 17, 2022.

Respectfully submitted,

John Conrad,  
Secretary/Treasurer, Board of Directors





Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Program Status Report for August 2022  
Date: August 15, 2022

### **500-Year Authorized Level Status**

#### Wood River Levee System

The USACE Bid Package 08 is under construction by USACE and Wood continues to review contractor Requests for Information (RFI) and submittal reviews under the Engineering During Construction (EDC) services, being performed as Work In-Kind.

Relief Well Package 2 (RWP 2) land acquisition coordination with landowners, USACE, and stakeholders is ongoing.

Relief Well Package 3 land acquisition continues with completion anticipated by the end of 2022.

Wood is awaiting a response regarding the August 3rd resubmittal for LERRDs credit in Wood River. The total amount requested is \$696,876.85.

Wood continues to wait for a decision from USACE regarding their November 17<sup>th</sup> letter requesting approval for the FPD Council to construct another Work In-Kind project, Bid Package #9. The Corps requested additional information regarding project scope and schedule on June 13<sup>th</sup>.

Work In-Kind credit of \$16,041,496 has been approved to date for the Wood River Levee System.

The remaining \$4,256,750 dollars of Work In-Kind credit needed, will be achieved with eligible Wood design and Bid Package #9 project mentioned above.

## MESD Levee System

Bid Package #11 – Bid Package was advertised for bid on June 23, 2022, with a pre-bid meeting held on July 8<sup>th</sup>. Bids were open on August 9<sup>th</sup> and a recommendation for construction award will be presented by Wood at the meeting on August 17<sup>th</sup>.

The estimated construction cost with contingencies was \$12,000,000.

Bid Package #18A – Wood is waiting for comments regarding the draft flow study report submitted to USACE on June 14<sup>th</sup>.

Preliminary estimated construction cost is \$8,800,000.

Land acquisition also continues along the MESD-owned levee system.

The first Lands, Easements, Rights-of-Way, Relocation, Disposal Areas (LERRDs) submittal for the East St. Louis Levee System was submitted to USACE on June 2, 2022. The total amount requested for credit is \$1,733,030.54.

Work In-Kind Credit Requests #3, #4, #5 & #6 have also been submitted to USACE. The total amount of these requests for credit is \$12,287,134

Going forward, the LERRDs and WIK requests will be made throughout the year.

Work In-Kind credit of \$11,887,414.07 has been approved to date for the MESD Levee System.

## Prairie Du Pont/Fish Lake Levee Systems

Detailed design work and survey on Bid Package #15 is underway (30% submittal early September) and geotechnical analyses to confirm improvements to be part of Bid Packages #16 and #17 are underway.

Drilling for Bid Packages #16 and #17 will begin August 15<sup>th</sup> and is anticipated to take four months. Lab work will occur concurrent with the drilling activity. Design effort will commence as drilling/work is completed.



Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Budget and Disbursement Reports for July 2022  
Date: August 15, 2022

Current Budget Highlights

Attached are the financial statements for July 2022 prepared by our fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the month ending July 31, 2022 as compared to the according fiscal year budget.

Accrued expenditures for the fiscal year beginning on October 1, 2021 thru July 31, 2022 were \$18,091,668 while revenues amounted to \$13,605,243 resulting in a deficit of \$4,486,425.

A total of \$46,989,936 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$1,488,426 for May 2022 were up 10.55% from last year, with all three counties having the highest receipts ever for the month of May. Receipts for the year are up 8.18%.

Monthly Disbursements

Attached are bank transactions for July 2022. Total disbursements for July were \$292,465.18, with the largest payments being to Wood.





**SOUTHWESTERN ILLINOIS FLOOD PREVENTION  
DISTRICT COUNCIL**

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

**TEN MONTHS ENDED JULY 31, 2022 AND 2021**





Board Members  
Southwestern Illinois Flood Prevention District Council  
Collinsville, Illinois

Management is responsible for the accompanying General Fund Statement of Revenues and Expenditures of Southwestern Illinois Flood Prevention District Council (the "Council") for the ten months ended July 31, 2022 and 2021, in accordance with accounting principles generally accepted in the United States of America. Management is also responsible for the accompanying financial forecast of Southwestern Illinois Flood Prevention District Council, which comprises the forecasted statements of revenues and expenditures for the year ending September 30, 2022, and the related summary of significant assumptions in accordance with guidelines for the presentation of financial forecast established by the American Institute of Certified Public Accountants (AICPA). We have performed compilation engagements in accordance with Statements on Standards for Accounting and Review services promulgated by the Accounting and Review Services Committee of the American Institute of certified Public Accountants. We did not audit or review the historical financial statements or the financial forecast nor were we required to perform any procedures to verify the accuracy or completeness of information provided by management. Accordingly, we do not express an opinion a conclusion, nor provide any form of assurances on these historical financial statements and this financial forecast.

The forecasted results may not be achieved as there will usually be differences between the forecasted and actual results, because events and circumstances frequently do not occur as expected, and these differences may be material. We assume no responsibility to update this report for events and circumstances occurring after the date of this report.

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, the historical financial statements and the financial forecast 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, 2022 and 2021, 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 black ink that reads "Clifton Larson Allen LLP". The signature is written in a cursive, flowing style.

CliftonLarsonAllen LLP

St. Louis, Missouri  
August 2, 2022



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TEN MONTHS ENDED JULY 31, 2022 (Actual)  
FISCAL YEAR ENDING SEPTEMBER 30, 2022 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 14,000,000	\$ 14,000,000	\$ 13,512,011	\$ 487,989
Interest Income	50,000	50,000	93,231	(43,231)
Other Contributions	-	-	-	-
Total Revenues	<u>14,050,000</u>	<u>14,050,000</u>	<u>13,605,243</u>	<u>444,757</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	5,198,000	5,198,000	1,823,284	3,374,716
Construction	12,601,700	12,601,700	462,883	12,138,817
Construction and design by US ACE	500,000	500,000	-	500,000
Total Design and Construction	<u>18,299,700</u>	<u>18,299,700</u>	<u>2,286,167</u>	<u>16,013,533</u>
Professional Services				
Legal & Legislative Consulting	190,000	190,000	31,476	158,524
Financial Advisor	65,000	65,000	10,950	54,050
Bond Underwriter/Conduit Issuer	12,000	12,000	10,033	1,967
Total Professional Services	<u>267,000</u>	<u>267,000</u>	<u>52,459</u>	<u>214,541</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	528,170	528,170	3,129,588	(2,601,418)
Monroe County	47,900	47,900	289,228	(241,328)
St. Clair County	423,930	423,930	2,627,411	(2,203,481)
Total Refund of Surplus Funds to County	<u>1,000,000</u>	<u>1,000,000</u>	<u>6,046,227</u>	<u>(5,046,227)</u>
Debt Service				
Principal and Interest	9,474,781	9,474,781	9,474,781	(0)
Total Debt Service	<u>9,474,781</u>	<u>9,474,781</u>	<u>9,474,781</u>	<u>(0)</u>
Total Operating Expenses	<u>29,041,481</u>	<u>29,041,481</u>	<u>17,859,635</u>	<u>11,181,846</u>
General and Administrative Costs				
Salaries, Benefits	240,000	240,000	172,922	67,078
Bank Service Charges	1,000	1,000	455	545
Equipment and Software	2,000	2,000	463	1,537
Fiscal Agency Services	37,000	37,000	30,860	6,140
Audit Services	19,000	19,000	18,000	1,000
Meeting Expenses	1,000	1,000	150	850
Postage/Delivery	1,000	1,000	123	877
Printing/Photocopies	2,000	2,000	966	1,034
Professional Services	10,000	10,000	350	9,650
Supplies	3,000	3,000	396	2,604
Telecommunications/Internet	3,000	3,000	1,250	1,750
Travel	5,000	5,000	-	5,000
Insurance	1,000	1,000	6,098	(5,098)
Total General & Administrative Costs	<u>325,000</u>	<u>325,000</u>	<u>232,033</u>	<u>92,967</u>
Total Expenditures	<u>29,366,481</u>	<u>29,366,481</u>	<u>18,091,668</u>	<u>11,274,813</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(15,316,481)	(15,316,481)	(4,486,425)	(10,830,056)
NET CHANGE IN FUND BALANCE	<u>\$ (15,316,481)</u>	<u>\$ (15,316,481)</u>	<u>\$ (4,486,425)</u>	<u>\$ (10,830,056)</u>

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
GENERAL FUND  
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL  
TEN MONTHS ENDED JULY 31, 2021 (ACTUAL)  
FISCAL YEAR ENDING SEPTEMBER 30, 2021 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 9,427,500	\$ 9,427,500	\$ 11,320,328	\$ (1,892,828)
Interest Income	350,000	350,000	95,978	254,022
Other Contributions	-	-	-	-
Total Revenues	<u>9,777,500</u>	<u>9,777,500</u>	<u>11,416,306</u>	<u>(1,638,806)</u>
<b>EXPENDITURES</b>				
Current				
Design and Construction				
Engineering Design & Construction Management	5,719,065	5,719,065	1,955,517	3,763,548
Construction	15,258,467	15,258,467	4,323,392	10,935,075
Construction and design by US ACE	500,000	500,000	-	500,000
Total Design and Construction	<u>21,477,532</u>	<u>21,477,532</u>	<u>6,278,909</u>	<u>15,198,623</u>
Professional Services				
Legal & Legislative Consulting	240,000	240,000	15,019	224,981
Financial Advisor	65,000	65,000	16,500	48,500
Bond Underwriter/Conduit Issuer	12,000	12,000	10,669	1,331
Total Professional Services	<u>317,000</u>	<u>317,000</u>	<u>42,188</u>	<u>274,812</u>
Refund of Surplus Funds to County FPD Accounts				
Madison County	503,360	503,360	1,791,020	(1,287,660)
Monroe County	47,750	47,750	170,194	(122,444)
St. Clair County	448,890	448,890	1,598,783	(1,149,893)
Total Refund of Surplus Funds to County	<u>1,000,000</u>	<u>1,000,000</u>	<u>3,559,997</u>	<u>(2,559,997)</u>
Debt Service				
Principal and Interest	9,393,082	9,393,082	9,393,081	1
Federal Interest Subsidy	-	-	-	-
Total Debt Service	<u>9,393,082</u>	<u>9,393,082</u>	<u>9,393,081</u>	<u>1</u>
Total Operating Expenses	<u>32,187,614</u>	<u>32,187,614</u>	<u>19,274,175</u>	<u>12,913,439</u>
General and Administrative Costs				
Salaries, Benefits	233,000	233,000	197,307	35,693
Bank Service Charges	1,000	1,000	445	555
Equipment and Software	2,000	2,000	444	1,556
Fiscal Agency Services	35,000	35,000	28,255	6,745
Audit Services	18,000	18,000	17,500	500
Meeting Expenses	1,000	1,000	176	824
Postage/Delivery	1,000	1,000	512	488
Printing/Photocopies	2,000	2,000	1,478	522
Professional Services	10,000	10,000	-	10,000
Supplies	3,000	3,000	422	2,578
Telecommunications/Internet	3,000	3,000	2,101	899
Travel	5,000	5,000	155	4,845
Insurance	1,000	1,000	516	484
Total General & Administrative Costs	<u>315,000</u>	<u>315,000</u>	<u>249,311</u>	<u>65,689</u>
Total Expenditures	<u>32,502,614</u>	<u>32,502,614</u>	<u>19,523,486</u>	<u>12,979,128</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(22,725,114)	(22,725,114)	(8,107,180)	14,617,934
NET CHANGE IN FUND BALANCE	<u>\$ (22,725,114)</u>	<u>\$ (22,725,114)</u>	<u>\$ (8,107,180)</u>	<u>\$ 14,617,934</u>

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL**  
**GENERAL FUND**  
**HISTORICAL AND BUDGETED FINANCIAL STATEMENTS**  
**SUMMARY OF SIGNIFICANT ASSUMPTIONS**  
**For the Ten Months Ended July 31, 2022 and 2021, and the year ending September 30, 2022**

**Summary of Significant Assumptions**

These financial forecasts present, to the best of management's knowledge and belief, the Council's expected financial position and results of operations for the forecast periods. Accordingly, the forecasts reflect its judgment as of October 1, 2021, the date of these forecasts, of the expected conditions and its expected course of action. The assumptions disclosed hereon are those that management believes are significant to the forecasts. There will be usually be differences between the forecasted and actual results, because events and circumstances frequently do not occur as expected, and those differences may be material.

**Statements of Activities Assumptions**

- |  |     |
|--|-----|
| 1. Sales tax proceeds from districts are expected to grow at a rate of based on prior year | 4%  |
| 2. Design and Construction based on engineers plans for the year                           | 57% |
| 3. Professional Services based on expected needs to purchase easements and other costs     | 56% |
| 4. Salaries, benefits and taxes based on annual salary increase                            | 3%  |

# Flood Prevention District Sales Tax Trends 2009-2021

County  
Share

	<b>2009</b>												
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
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
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
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
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
Total Month	\$794,931	\$818,376	\$919,593	\$905,383	\$963,366	\$961,791	\$902,250	\$919,787	\$905,288	\$893,572	\$927,728	\$1,114,251	\$11,026,316
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249	\$935,226	\$938,283	\$929,126	\$947,722	\$1,165,623	\$11,349,426
Total Month	\$822,161	\$813,702	\$954,534	\$937,146	\$987,590	\$1,018,166	\$933,276	\$955,803	\$955,617	\$952,766	\$948,234	\$1,199,694	\$11,478,688
Total Month	\$808,455	\$856,751	\$995,459	\$928,154	\$974,167	\$1,021,380	\$933,254	\$936,644	\$960,144	\$949,471	\$981,877	\$1,205,068	\$11,550,824
Total Month	\$829,224	\$872,167	\$1,029,226	\$985,112	\$1,045,182	\$1,044,517	\$973,275	\$1,004,076	\$1,008,900	\$995,901	\$1,032,735	\$1,218,755	\$12,031,070
Total Month	\$884,025	\$885,009	\$1,067,122	\$993,560	\$1,102,138	\$1,087,259	\$1,010,353	\$1,036,244	\$1,008,420	\$1,027,289	\$1,056,091	\$1,191,097	\$12,348,606

**2010**

**2011**

**2012**

**2013**

**2014**

**2015**

**2016**

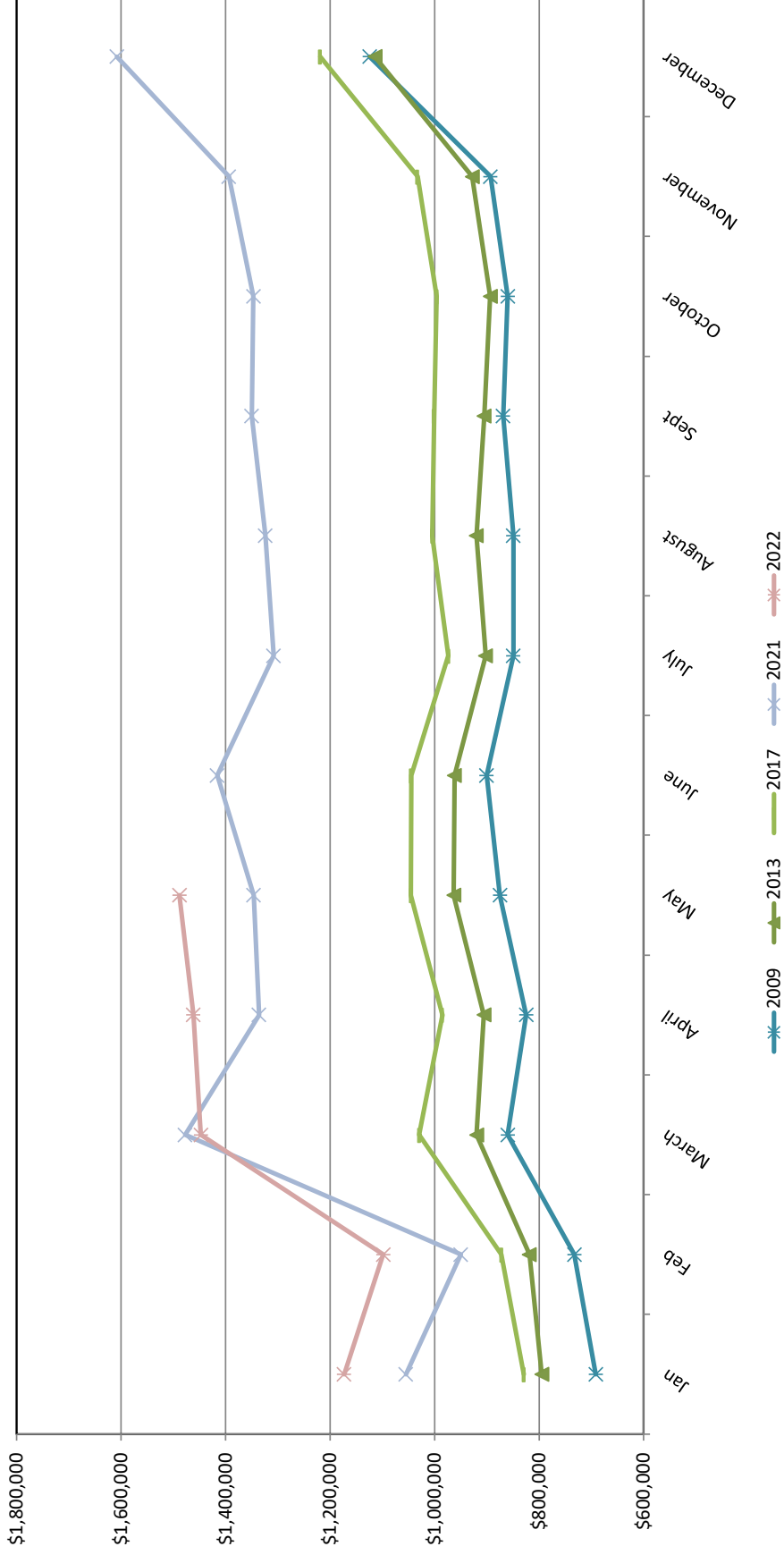
**2017**

**2018**



# Flood Prevention District Sales Tax Trends 2009-2021

## Monthly Receipts 2009-2013-2017-2021-2022



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
SUPPLEMENTARY SUPPORTING SCHEDULE  
BANK TRANSACTIONS  
July 31, 2022**

Beginning Bank Balance as of July 1, 2022			<b>\$ 1,252,011.11</b>
Receipts			
Busey Bank	07/15/2022	Admin Transfer	22,558.16
Busey Bank	07/15/2022	Construction Transfer	271,253.41
Busey Bank	07/31/2022	Interest	51.08
			<b>\$ 293,862.65</b>
Disbursements			
CliftonLarsonAllen LLP	07/01/2022	Fiscal Agent	1,354.50
Wood Environmental	07/14/2022	Construction	263,773.56
AT&T	07/18/2022	Telephone/Tablet	99.50
Husch Blackwell	07/21/2022	Legal	3,564.15
USPS	07/18/2022	Postage	8.70
Busey Bank	07/22/2022	Wire Fee	15.00
Busey Bank	07/22/2022	Wire Fee	15.00
CliftonLarsonAllen LLP	07/13/2022	Fiscal Agent	1,354.50
UMB Bank, NA	07/20/2022	Bond Trustee Fee	1,499.90
East-West Gateway Council of Governments	07/26/2022	Supervisor Mgmt Services	18,981.09
UMB Bank, NA	07/21/2022	Bond Trustee Fee	1,515.80
Busey Bank	07/31/2022	Bank Fee	15.30
Cost Less Copy Center	07/25/2022	Printing & Copying	187.60
Office Depot	07/26/2022	Supplies	43.47
Office Depot	07/27/2022	Supplies	37.11
			<b>\$ 292,465.18</b>
			<b>\$ 1,253,408.58</b>







Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Design and Construction Update  
Date: August 15, 2022

Attached is Wood's Design and Construction Update, which Jon Omvig will present at the meeting.

Recommendation: Accept the August Design and Construction Update by Wood Environment & Infrastructure Solutions, Inc.





## Progress Report August 17, 2022

Southwestern Illinois Levee Systems

By Jon Omvig

woodplc.com



## Authorized Level (~500-Year) Design

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Wood River (Bid Packages 8, 9, & 10)

- **Bid Package 8** (*Relief wells & a pump station*)
  - Design is complete – project is being constructed by USACE.
- **Bid Package 9** (*1 large seepage berm in Roxanna*)
  - USACE is preparing the Engineering Documentation Report (EDR)
  - Light coordination over the past month



## Authorized Level (~500-Year) Design

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MESD (Bid Packages 11, 12, 14A, 14B, 18 & 18A)

- Bid Package 11 (*Relief wells & a pump station*)
  - Advertised for construction on June 23
  - **Bids opened on August 9**
  - **Award recommendation later today**
- Bid Package 12 (*relief wells*)
  - Being Designed/Constructed by USACE
  - Land acquisition is underway

3

A presentation by Wood.



## Authorized Level (~500-Year) Design

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MESD (Bid Packages 11, 12, 14A, 14B, 18 & 18A)

- Bid Package 14A (*riverside clay cap and cutoff trench*)
  - USACE is reviewing closeout documentation
- Bid Package 14B (*filter blanket under I-70 bridge*)
  - Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete
  - ROW Acquisition is underway
  - Re-survey of area completed June 2022.

4

A presentation by Wood.



## Authorized Level (~500-Year) Design

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MESD (Bid Packages 11, 12, 14A, 14B, 18 & 18A)

- Bid Package 18 (*Relief wells, pipe & pump station modifications*)
  - Construction is complete
  - Closeout documentation is underway
- Bid Package 18A (*Pump station & pipe replacement*)
  - Report submitted to USACE on June 14, 2022.
  - Awaiting USACE comments
  - Ultimately USACE will need to approve this as a WIK project.

5

A presentation by Wood.



## Authorized Level (~500-Year) Design

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Prairie du Pont & Fish Lake (Bid Packages 15, 16, & 17)

- Survey & design of Bid Package 15 is underway
- Coordinating with USACE, levee districts and landowners as appropriate
- 100% FPD Council funded design and construction (No Federal match)
- **Phase III Drilling started this week**

6

A presentation by Wood.



**wood.**

[woodplc.com](http://woodplc.com)



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: FY 2023 Annual Budget  
Date: August 15, 2022

By law, the Council's budget must be adopted by August 31st of each year for the fiscal year beginning October 1st. The budget must be submitted to the county boards for approval after which they have 30 days to act on it.

In FY 2022, the East St. Louis/MESD Levee System, which was previously accepted as structurally sound, received a letter of continued accreditation. With letters of accreditation previously received for the Wood River Upper, Wood River Lower, the Wood River East/West Forks Levee Systems, and the Prairie Du Pont/Fish Lake Levee Systems, the total accreditation process for all of the Metro East Levee Systems has been successfully completed.

The Council achieved its interim goal of attaining FEMA flood protection standards and obtaining accreditation, using only the funds generated from the dedicated flood protection sales tax.

All of the improvements built have been tested by high river events (the second highest event on record at 46.02 ft. and the longest flood event on record at 126 days, during May/June 2019) and have successfully performed as designed and protected the Metro East area.

In conjunction with its long term goal of achieving the 500-Year Level of Protection, the Council in 2015, adopted a resolution expressing the Official Intent to Restore the Federal Authorized Level of Mississippi River Flood Protection in the Metro East,

The first two Authorized Level projects, Bid Packages #14A and #18 have been completed.

The FY 2023 budget focuses on the continued design of Authorized Level projects and the construction of Bid Packages #9, #11, and #14B. Bid Package #11 was originally scheduled for construction in FY 2022, however, lengthy reviews by the Corps of Engineers has delayed the construction almost a year.

With the May sales tax revenues being 10.55% higher than a year ago, and sale tax revenues being 8.18% higher for the calendar year, I have adjusted the projected sales tax revenues for FY

*A regional partnership to rebuild Mississippi River flood protection*

2022 from \$16,329,472 to \$16,501,263. I have also adjusted the anticipated increase for sales tax revenues in FY 2023 from 3% to 6% (indicated in assumption #5)

The recommended FY 2023 budget is shown in Table 1, the only changes from the draft budget presented in July are the revenue adjustments just mentioned. Since the bid for Bid Package #11 came in slightly under the \$12,000,000 estimate, there are no changes to the expenditure side of the budget.

All key assumptions presented with the draft budget last month remain the same except for assumption No. 5.

Key assumptions are:

1. Corps of Engineers reviews will be timelier in FY 2023 and projects identified for construction will be bid and awarded.
2. The level of Council staffing does not change in FY 2023, and general and administrative costs continue to remain a very small portion of the project expenditures. Staff resources continue to be supplemented by the significant use of consulting and professional services.
3. In accordance with the bond indenture, all sales tax receipts are intercepted by the Trustee and after all financial requirements for debt, construction, and administration have been satisfied, surplus funds are transferred to each County for deposit in a County Flood Prevention District Sales Tax Fund for future Council project financing. The surplus transfers are shown as expenditures in the budget.
4. A 10% construction cost contingency is included for all construction on all projects to be built.
5. Sales tax revenue is now estimated to increase by 6% over the amount projected to be collected in FY 2022. Interest income is estimated to be \$100,000.
6. Funding for Corps of Engineers' for oversight on the Prairie Du Pont/Fish Lake design and construction and has been included, if needed.
7. The Council will continue to work with levee districts in identifying potential funding sources, where and if needed, for the maintenance and operations of the 100-Year Improvements and Authorized Level Improvements being built. Life Cycle Costs Reports for the 100-Year Improvements have been provided to each of the Levee Districts.
8. After all of the funds held by the Council are expended, the three County FPD sales tax funds will be used for the 500-Year Authorized Level Projects. Requests to each County are now anticipated to occur in October 2023 and July 2024. There is currently \$46,989,936 in the County FPD sales tax funds.



9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers' utilization of the Risk Informed Process and Risk Assessment. The Council will continue to work with the Corps of Engineers regarding project priorities and design & construction responsibilities between the Corps and Wood.

Recommendation: Approve the proposed FY 2023 annual budget for the Council and authorize the Chief Supervisor to submit it to the Boards of Madison, Monroe, and St. Clair Counties as presented.



Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BUDGET  
OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023**

	ACTUAL EXPENDITURES OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	ADOPTED BUDGET OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROJECTED EXPENDITURES OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROPOSED BUDGET OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 14,082,547	\$ 14,000,000	16,501,263	\$ 17,491,333
Interest Income	140,979	50,000	116,272	100,000
Other Contributions			-	-
Total Revenues	<u>\$ 14,223,526</u>	<u>\$ 14,050,000</u>	<u>\$ 16,617,535</u>	<u>\$ 17,591,333</u>
<b>EXPENDITURES</b>				
Design and Construction				
Engineering Design & Construction Management	2,528,686	5,198,000	2,140,000	5,223,000
Construction	4,362,568	12,601,700	1,853,367	23,550,000
USACE Authorized Level Costs	-	500,000	-	500,000
Total Design and Construction	<u>\$ 6,891,254</u>	<u>18,299,700</u>	<u>3,993,367</u>	<u>29,273,000</u>
Professional Services				
Legal & Legislative Consulting	26,971	190,000	61,598	190,000
Financial Advisor	18,300	65,000	17,150	65,000
Bond Trustee Fee	14,130	12,000	12,000	12,000
Total Professional Services	<u>\$ 59,401</u>	<u>\$ 267,000</u>	<u>\$ 90,748</u>	<u>\$ 267,000</u>
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	<u>\$ 3,559,997</u>	<u>\$ 1,000,000</u>	<u>\$ 6,046,227</u>	<u>\$ 3,500,000</u>
Debt Service				
Principal and Interest	9,393,081	9,474,781	9,474,781	9,549,731
Total Debt Service	<u>\$ 9,393,081</u>	<u>\$ 9,474,781</u>	<u>\$ 9,474,781</u>	<u>\$ 9,549,731</u>
Total Design & Construction Expenses	<u>\$ 19,903,733</u>	<u>\$ 29,041,481</u>	<u>\$ 19,605,123</u>	<u>\$ 42,589,731</u>
General and Administrative Costs				
Salaries, Benefits	234,438	240,000	225,941	251,000
Bank Service Charges	567	1,000	565	1,000
Equipment and Software	444	2,000	1,163	2,000
Fiscal Agency Services	34,705	37,000	36,278	38,500
Audit Services	17,500	19,000	18,000	19,500
Meeting Expenses	176	1,000	250	1,000
Postage/Delivery	558	1,000	514	1,000
Printing/Photocopies	1,790	2,000	1,378	2,000
Professional Services	-	10,000	350	10,000
Supplies	496	3,000	815	3,000
Telecommunications/Internet	3,338	3,000	1,751	3,000
Travel	155	5,000	200	5,000
Insurance	516	1,000	6,098	8,000
Total General & Administrative Costs	<u>294,683</u>	<u>\$ 325,000</u>	<u>293,303</u>	<u>345,000</u>
Total Expenditures	<u>20,198,416</u>	<u>\$ 29,366,481</u>	<u>\$ 19,898,426</u>	<u>42,934,731</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(5,974,890)	\$ (15,316,481)	\$ (3,280,891)	\$ (25,343,398)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (5,974,890)</u>	<u>\$ (15,316,481)</u>	<u>\$ (3,280,891)</u>	<u>\$ (25,343,398)</u>

PROJECTED FUND BALANCE SEPTEMBER 30, 2022

\$66,657,291

PROJECTED FUND BALANCE SEPTEMBER 30 2023

\$41,313,893





Memo to: Board of Directors

From: Chuck Etwert

Subject: Annual Report

Date: August 15, 2022

Attached is the Annual Report for FY 2022. By law, the Council must submit an Annual Report to each county board describing activities for the past year. We generally submit this report with our annual request for approval of our budget.

The report simply chronicles the activities of the last year and builds on previous reports, so it is actually a summary of the Council's cumulative activities since its inception in June 2009.

Recommendation: Authorize the Chief Supervisor to submit the FY 2022 Annual Report to the county boards of St. Clair, Madison, and Monroe counties.



Southwestern Illinois Flood  
Prevention District Council

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Annual Report 2021-2022



August 17, 2022







**Southwestern  
Illinois  
Flood Prevention  
District Council**

104 United Drive  
Collinsville, IL 62234

618-343-9120

[www.floodpreventiondistrict.org](http://www.floodpreventiondistrict.org)

August 17, 2022

Hon. Mark Kern  
County Board Chairman  
St. Clair County  
10 Public Square  
Belleville, IL 62220-1623

**Board of Directors**

Max Merz III  
President

Debra Moore  
Vice President

John Conrad  
Secretary-Treasurer

Hon. Kurt Prenzler  
County Board Chairman  
Madison County Administration Building  
157 N. Main Street, Suite 165  
Edwardsville, IL 62025-1963

Bruce Brinkman  
Isabelle Crockett  
Aaron Metzger  
Alvin L. Parks Jr.  
David Schwind

Hon. Dennis Knobloch  
Chairman, Monroe County Board of Commissioners  
100 South Main Street  
Waterloo, IL 62298

Charles M. Etwert  
Chief Supervisor of  
Construction and the Works

Chairmen Kern, Prenzler, and Knobloch:

Transmitted herewith is the 2021-2022 Annual Report of the Southwestern Illinois Flood Prevention District Council. The submission of this report is in satisfaction of the requirement of our authorizing statute (70 ILCS 750/40).

Since its creation the Council has had two primary goals: accreditation by the Federal Emergency Management Agency (FEMA) of the Metro East Levee Systems and achieving the Authorized Level of Protection to the extent possible with the funds available.

In FY 2022, the East St. Louis/MESD Levee System, which was previously accepted as structurally sound, received a letter of continued accreditation. With letters of accreditation previously received for the Wood River Upper, Wood River Lower, the Wood River East/West Forks Levee Systems, and the Prairie Du Pont/Fish Lake Levee Systems, the total accreditation process for all of the Metro East Levee Systems has been successfully completed.

*a regional partnership to rebuild Mississippi River flood protection*

The Council achieved its interim goal of attaining FEMA flood protection standards and obtaining accreditation, using only the funds generated from the dedicated flood protection sales tax.

The Council now anticipates FEMA issuing new maps, reflecting the 100-Year Improvements, in 2023.

The Council continues to work with the Corps of Engineers regarding the Council's design and building of the 500-Year Authorized Level of Protection Projects, building the most cost effective and highest priority flood protection projects throughout the Counties of Madison, Monroe, and St. Clair, Illinois to restore the federally Authorized Level of flood protection in the Metro-East.

The Corps of Engineers will provide oversight on the design and construction of these projects, to ensure that funds expended by the Council, where applicable, will be eligible for Work In-Kind (WIK) Credit and Lands, Easements, Rights-of-Way, Relocation, Disposal Areas (LERRDs) Credit. These credits will be utilized to satisfy the non-federal partner thirty-five percent share requirement by the Corps of Engineers.

Amended Project Partnership Agreements for the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project and the Wood River Levee System have been executed, allowing for the utilization of \$11,887,414.07 of Work In-Kind Credit in the East St. Louis and \$16,041,496 of Work In-Kind Credit in the Wood River System earned to date. Additional WIK Credit and LERRDs Credit has been submitted for both the East St. Louis and the Wood River Levee Systems.

The Council's FY 2023 budget focuses on the continued design of Authorized Level projects, and the start of construction on Authorized Level Bid Packages #9, #11 and #14B.

The May/June 2019 100-Year flood event (the second highest event on record at 46.02 ft., and the longest flood event on record at 126 days), tested the seventy-five million dollars of flood protection improvements the Council has built. However, all improvements performed as designed and the Metro East American Bottom Levees handled the event much better than ever before. Fortunately, there have been no major flood events the last three years. This follows three major flood events in the previous four years.

With the state passing the "Leveling the Playing Field Act", sales tax receipts continue to increase with FY 2021 receipts being seventeen percent higher than FY 2020 and FY 2022 receipts projected to be sixteen percent higher than FY 2021.

COVID, inflation rates, and sales tax revenues will determine the final construction schedule.

After all funds held by the Council (\$15,666,713) are expended, the three County FPD sales tax funds will be utilized for the 500-Year Authorized Level Projects. Requests to each County are now anticipated to occur in October 2023 and July 2024. There is currently \$46,989,936 in the County sales tax funds.

In summary, I am pleased to report on behalf of our Board of Directors, that we continue to make progress in building and financing significant improvements to the flood protection systems in the Metro-East.

Thank you for your continued support of our efforts throughout the year.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles M. Ewert". The signature is fluid and cursive, with a large initial "C" and "M".

Charles M. Ewert  
Chief Supervisor of Construction and the Works



## I. Introduction

---

On August 15, 2007, the Federal Emergency Management Agency announced their intention to “de-accredit” the Mississippi River levee systems protecting a 174 square mile area in three Illinois counties known as the American Bottom. The practical effect of this action would be to cripple the area economically and put an enormous financial burden on businesses and residents in this area. The threat of this action by FEMA prompted a chain of events that is without precedent in the area. The result is a cooperative regional effort to improve flood protection and secure FEMA accreditation for the levee system protecting the American Bottom from flooding.

The American Bottom is an area of incalculable economic value and historical significance. It is home to over 156,000 residents. Businesses in the area employ over 56,000 people. Some of the nation’s most prestigious companies have major manufacturing facilities having national significance in the area. Additionally, the area is rich in multimodal transportation assets that make it well positioned as a future center of commerce and industry.

The region’s leadership recognized that extraordinary measures were necessary to protect this economic asset and the homes and livelihoods of a large portion of the region’s population. A new revenue source was created in 2008 and a regional organization was formed to carry out an ambitious plan to maintain a level of flood protection that has been in place for some 80 years.

Acting on a plan to improve flood protection, even one that may be subject to adjustment from time to time, is an essential ingredient in helping businesses and citizens prepare for the future, to restore investor confidence in the area, and to assure taxpayers that their money is being spent effectively. The unpredictability of the Mississippi River serves as constant reminder that we need to demonstrate real progress in carrying out that plan.

The purpose of this report is to outline the activities of the Southwestern Illinois Flood Prevention District Council in 2021-2022 in achieving the continuance of FEMA 100-Year Level of Protection accreditation and the design & construction of 500-Year Level of Protection (also known as the Authorized Level) improvements.



## II. Background

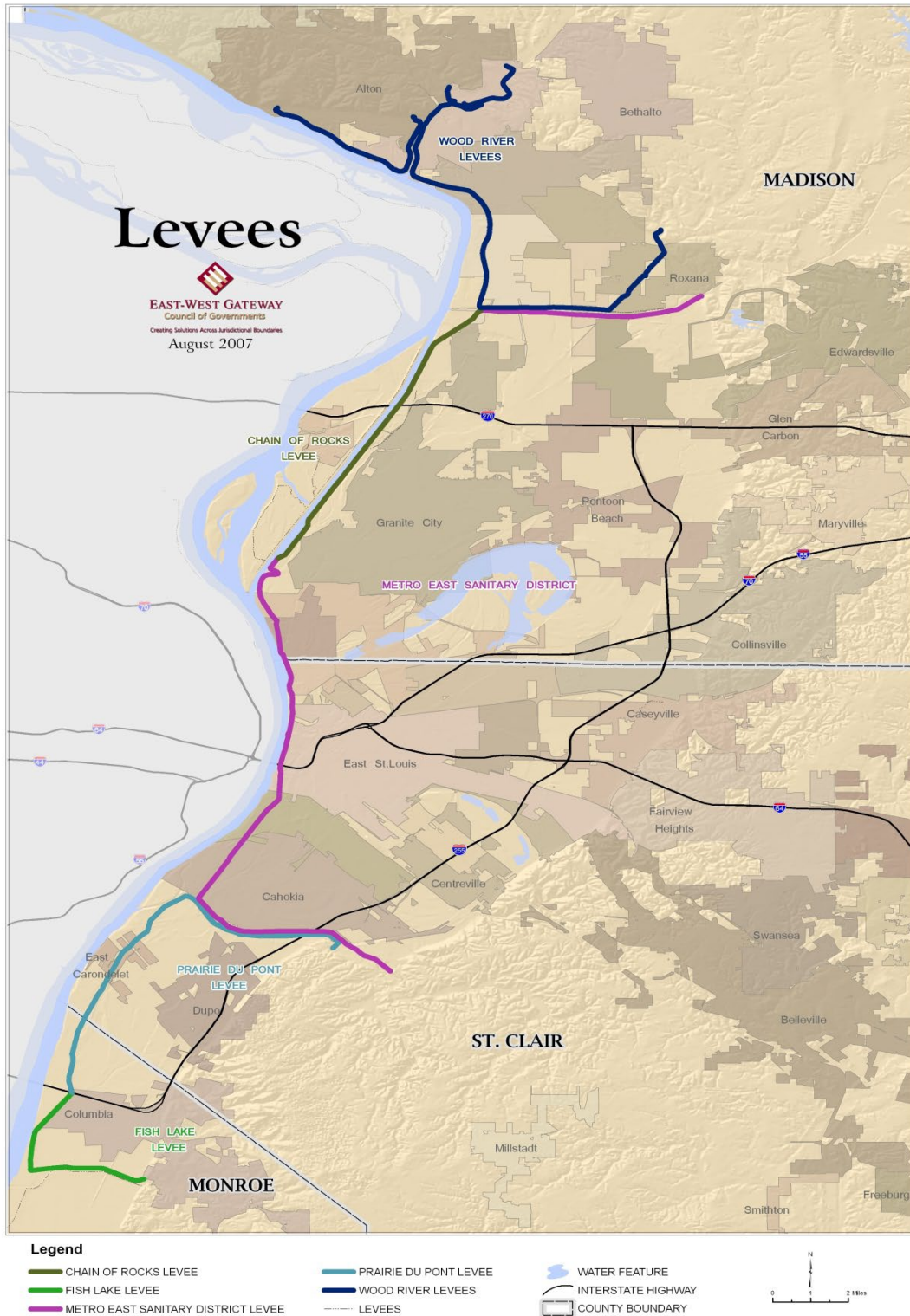
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A system of 65 miles of mainline and wing levees protects an area called the American Bottom in Southwestern Illinois from flooding by the Mississippi River. The American Bottom is an area of 174 square miles that is home to over 156,000 people and more than 56,000 jobs. The levee system was authorized by Congress, and designed and built by the U.S. Army Corps of Engineers to provide protection from a flood event on the Mississippi River of 54 feet on the St. Louis gauge. The American Bottom has not been flooded by the Mississippi River in the 80 years since the flood protection system was initially built, including during the flood of record in 1993, reportedly as much as a 380-year event.

Mississippi River flood protection consists of five “federal” levees (see Figure 1), i.e. levees designed and built by the federal government and whose owners participate in the Corps of Engineers Public Law 84-99 emergency assistance program. Federal law authorized the construction of the following five (5) levees:

- ***Wood River Levee*** - Operated and maintained by the Wood River Drainage and Levee District. Construction authorized under Section 4 of the Flood Control Act of 1938, Pub. L. 75-761, with subsequent improvement was authorized under Section 1001(20) of the Water Resources Development Act of 2007, Pub. L. 110-114 (“WRDA 2007”)
- ***Chain of Rocks Canal, Levee, and Locks*** - Operated and maintained by the Army Corps of Engineers. Construction authorized under the River & Harbors Act of 1945, Pub. L. 79-114
- ***East St. Louis Levee*** - Operated and maintained by the Metro East Sanitary District. The Flood Control Act of 1936, Pub., authorized construction. Law 74-738, as modified by the Flood Control Act of 1965, Pub. L. 89-298, and the Water Resources Development Act of 1976, Pub. L. 94-587. Subsequent improvement authorized under the Energy and Water Development Appropriations Act of 1988, Pub. L. 100-202
- ***Prairie DuPont Levee*** - Operated and maintained by the Prairie DuPont Levee and Sanitary District. Construction was authorized under the Federal Flood Control Act of 1936. Subsequent improvement was authorized under Section 102(8) of the Water Resources Development Act of 2000, Pub. L. 106-541 (“WRDA 2000”) and Section 5070 of the WRDA 2007
- ***Fish Lake Levee*** - Operated and maintained by the Fish Lake Drainage and Levee District. The Flood Control Act of 1954 authorized construction. Subsequent improvement was authorized under Section 102(8) of WRDA 2000 and Section 5070 of WRDA 2007

The Metro-East Sanitary District (formerly the East Side Levee and Sanitary District, originally formed in 1910) is authorized by the Metro-East Sanitary District Act of 1974, 70 ILCS 2905/. The Wood River and Fish Lake Districts were authorized by the Illinois Drainage Code, 70 ILCS 605/. The Prairie DuPont District was authorized by the Sanitary District Act of 1907, 70 ILCS 2205/. The Levee Districts own and have primary responsibility for maintaining the levee systems (with the exception of the Chain of Rocks Levee, which is owned and maintained by the Corps of Engineers).



**Figure 1 –  
 Levee Systems**



The Southwestern Illinois Flood Prevention District Council was formed in 2009 through an Intergovernmental Agreement between the Flood Prevention Districts of Madison, St. Clair and Monroe counties as authorized by the Illinois Flood Prevention District Act of 2008, 70 ILCS 750/. The primary responsibility of the FPD Council is to plan, finance, design, and build capital improvements to the levee system. The Council's interim goal is to assure accreditation by FEMA in accordance with criteria described in 44 CFR 65.10 – Mapping of Areas Protected by Levee Systems. The Council's long-term goal is to achieve the Authorized Level of Protection, as defined by the Corps of Engineers.

In 2007, the Corps indicated that the agency had “reduced confidence” that the levee system could protect against a flood that has a 1% chance of being equaled or exceeded in any single year (commonly referred to as a 100-year flood or a base flood) without flood fighting. FEMA's announced decision to deaccredit the levee systems in our area, which is the industrial core of the St. Louis region, was based on this assertion by the Corps. In July 2009, FEMA issued preliminary flood insurance rate maps for the area that showed the American Bottom as a flood hazard area with no protection from flooding. Appeals of those maps were submitted by a number of local governments during the 90-day period provided by law; all of those appeals were denied in September 2010.

The region's leadership did not agree with the decision by FEMA to deaccredit the levee system. A number of area governments, businesses and citizens joined to file a lawsuit challenging this decision based, in part, on the lack of any documentation of levee system deficiencies. With the lawsuit and complaints about the mapping process across the country, FEMA agreed to revamp its mapping process and has not yet issued any new flood insurance rate maps for the area.

While the Corps built the levee systems in this area generally in the 1940s and 1950s using design standards in place at the time for a high level of flood protection, the current “design deficiencies” are measured relative to current engineering standards. The issue is not a failure of adequate maintenance by local levee districts, or any dramatic change in the condition of the levees, but primarily a change in engineering standards and in the procedures for measuring risk. The levee systems have consistently been determined to be in *acceptable* or *marginally acceptable* condition by annual and more thorough 3-year periodic inspections by the Corps.

According to its own preliminary evaluations and cost estimates, the Corps suggested that it could cost hundreds of millions of dollars to restore and maintain the authorized (54 feet flood elevation) level of flood protection. Further, the schedule to make these investments would essentially be open-ended, dependent entirely on the pace of federal appropriations. Making assumptions consistent with typical levels of federal appropriations, the project could take decades to complete. While the federal government could pay as much as 65% of the cost, it could take decades for those funds to be authorized and appropriated, so there would be significant uncertainty about the cost and schedule of the project. That continued uncertainty would impose very high costs on residents and businesses in the area, and, more importantly, would subject the area to increased flood risk.

Because of the uncertainty of federal funding and the complexity and time-consuming nature of the USACE project development process, levee improvements will be primarily locally funded. The three affected counties have imposed a ¼-cent sales tax to pay for the restoration of the levee system and formed a new organization, the Southwestern Illinois Flood Prevention District Council, to carry out the levee improvement project. The tax has been collected since January 2009 and will generate over sixteen million dollars in 2022.



### III. FPD Council Activities

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The following describes the work of the Council over its thirteen-year existence. Work done this year continues to bring the Council closer to meeting its objectives. The Project Timeline since the announcement of de-accreditation by FEMA is shown in Figure 2.

In the early years, the greatest challenge and source of doubt about the project has been the continued involvement of the Corps of Engineers in granting permission for most of the improvements to the levee system that the Council has proposed. The Corps is an institution that moves very deliberately, is governed by elaborate and extensive guidelines and procedures, most of which apply to federally funded projects but are being applied to our locally funded project. This process caused significant early delays in the design process. Most of that is now behind us, with the Council and the Corps of Engineers working together to complete all construction as soon as possible.

The FPD Council began operations in July 2009. Since that time, the organization has:

- Completed a comprehensive inspection of the levee system
- Performed an economic analysis of the costs of mandatory flood insurance
- Provided support to local governments to appeal preliminary flood insurance rate maps,
- Conducted a design competition to determine the most cost-effective approach to assuring compliance with FEMA standards for levee system accreditation
- Sold \$94 million in bonds to pay for levee improvements.
- Completed the design of levee system improvements that will meet FEMA standards
- Developed a budget to complete the 100-Year Level of Protection solely with the proceeds from the FPD sales tax
- Received all required permits from state and federal agencies to proceed with construction
- Awarded contracts on the ten construction packages required to complete the 100-Year Level of Protection
- Completed all construction needed to achieve FEMA accreditation and submitted required certification packages to FEMA for review and approval
- Committed to restore the federally Authorized Level of Mississippi Flood River Protection in the Metro-East, designing and building the most critical and cost effective projects
- Sold an additional \$83.8 million in bonds for 500-Year Authorized Level Protection Projects
- Initiated the design and construction of 500-Year Authorized Level Protection Projects in Madison, Monroe, and St. Clair Counties.
- Received FEMA's letter of continued accreditation for the Prairie Du Pont/Fish Lake Levee System in November 2019
- Refunded the 2010 Series Bonds, saving \$13.2 million dollars in debt service cost over the life of the bonds
- Received FEMA's letter of continued accreditation for the Wood River East & West Fork Levee System in March 2021

- Received FEMA’s letter of continued accreditation for the Lower Wood River Levee System in March 2021
- Received FEMA’s letter of continued accreditation for the Upper Wood River Levee System in March 2021
- Received FEMA’s letter of continued accreditation for the East St. Louis/MESD Levee System

The Council’s general goals have been to:

- assure compliance with FEMA accreditation standards with available revenue sources

**Goal achieved April 26, 2022**

- build all critical and cost effective Authorized Level Protection Projects, with the funds available, to achieve 500-Year flood level protection.

Notwithstanding the Council’s strong disagreements with FEMA’s decision to deaccredit the Metro-East levees and the Council’s efforts to overturn that decision, the Council initiated action on achieving compliance with FEMA accreditation criteria. In October 2010, the Council engaged a team of engineering consultants led by AMEC Environment & Infrastructure, Inc. (now Wood Environment & Infrastructure Solutions, Inc.) to design and manage construction of improvements to the levee system.

Today, after years of design work, multiple levee system inspections, drilling over 2000 borings along the entire length of the levee system, and submitting thousands of pages and many gigabytes of electronic files of design documentation to the Corps of Engineers, the Council has completed the 100-Year construction. The Council has built the project, using only funds from the dedicated sales tax and has significant funds to utilize towards the 500-Year Authorized Level of Protection.

The Council has worked to comply with all relevant environmental laws and regulations. The Illinois Environmental Protection Agency has granted approval for the project under Sec. 401 of the Clean Water Act to certify that the project will not discharging pollutants into any bodies of water. Similarly, the Corps of Engineers has granted conditional approval under Sec. 404 of the Clean Water Act for mitigating the project’s impact on wetlands.

The Council continues to work closely with our congressional delegation to help expedite the project and to advance legislation that would streamline future design approvals and would enable future funding of improvements to the levee systems. All of the members continue to be supportive of the project and are working on our behalf to advance our interests with the Corps, with FEMA, and in Congress.

The general design features of the FEMA Certification Levee System Improvements are provided in Appendix I to this report.

In December 2015, the Council was successful with the issuance of additional sales tax revenue bonds which will generate a net \$77.5 million for the 500-Year Authorized Level of Protection Projects. It is the intent, to use these funds, to build the most cost effective and highest priority flood protection projects throughout the Counties of Madison, Monroe, and St. Clair, Illinois.

The Corps of Engineers is providing oversight on the design and construction of these projects, to ensure that funds expended by the Council will be eligible for future Work In-Kind Credit (WIK) and Lands, Easements, Rights-of-Way, Relocation, Disposal Areas (LERRDs) Credit.

The Council has accepted Authorized Level Project Summary Reports for the Wood River Levee System, the Metro East Sanitary District (MESD) Levee System, and the Prairie DuPont/Fish Lake Levee System.

The Council has adopted policies that emphasize the use of our local workforce on the construction of the project. It is the Council's policy that all contractors working on the project use a Project Labor Agreement (PLA) and comply with Illinois law regarding the use of prevailing wages. The Council also implemented a minority business and workforce utilization policy. The Council remains committed to employing local labor and local firms to the maximum extent possible on the project, and to paying fair wages and providing good working conditions for everyone working on the project.

The Council is going to maximize WIK Credit and LERRDs Credit work as much as possible, satisfy the 5% cash requirement by providing the Corps funds for oversight on design and construction, and construct projects 100% where the Corps' benefit cost ratio is low and Corps funds are not anticipated.

Between 2016 and 2018, there were five significant events that have impacted the 100-Year and 500-Year Levee System Improvements affecting certification, design and construction.

In December 2016, the Corps of Engineers informed the Council the Wood River Levee System amended Project Partnership Agreement, originally scheduled to be approved in January 2017, would not be approved for at least two years. This delay was due to additional field information obtained during the design and construction of the 100-Year Projects and the design of the 500-Year Projects. This information indicated that the estimated cost of the Wood River Levee Systems projects would exceed the amount identified in the Wood River Levee System Reevaluation Report for Design Deficiency Corrections approved in 2011 by more than twenty percent, which required a new decision document be approved.

A new decision document required that a Risk Assessment and a Supplemental Report be completed, which takes at least twenty-four months. The amended Project Partnership Agreement for the Wood River Levee System was executed on July 26, 2019. During this time delay, the Council accumulated \$16,041,496 of Work In-Kind Credit which will be utilized on the Wood River Levee System.

In the spring of 2017, at the end of April and the beginning of May, the Metro East area experienced its second record flood event in the last three years. The April/May flood event was the sixth highest elevation ever recorded, following the third highest flood event which occurred December/January 2016.

All of the Council's projects performed as designed and no problems were experienced, which reflects the design and construction management provided by Wood Environment & Infrastructure Solutions, Inc. and the performance of the Council's contractors. The April/May 2017 flood event was a good test of the improvements that had been constructed to date.

Unfortunately, the flood event delayed construction that needed to be completed, such as the East St. Louis 126 Inch Sewer Rehabilitation, the MESD clay cap project, and the four remaining relief wells in the Wood River Levee System. However, all of these projects were finally completed during FY 2018.

In May 2017, the Corps of Engineers received notification of FY 2017 Work Plan Funding and FY 2018 President's Budget Funding. The Corps received FY 2017 Work Plan Funding of \$31.7 million for the Wood River Levee System and zero dollars for the MESD Levee System. Due to the Risk Assessment and Supplemental Report mentioned earlier, the Corps of Engineers only had the ability to use about fifty percent of the \$31.7 million dollars in the Wood River area on the second phase of the Wood River Deep Cutoff Wall Project..

Therefore, the Council and the Corps of Engineers' St. Louis District both requested a portion of the funds be reprogrammed to the MESD Levee System, where the Corps of Engineers had a project (Cahokia Relief Wells) designed and ready to build. Unfortunately, after waiting almost a year, the Council was informed, with the approval of the 2018 appropriations bill, new baseline and updated reprogramming limits, the request to reprogram the Wood River funds to East St. Louis would have to be updated and resubmitted.

The Corps suggested, the Council wait until the Corps was informed of FY 2018 Work Plan Funding for the MESD Levee System. Unfortunately, the the Corps didn't receive any FY 2018 Work Plan Funds. However, in November 2018 the Corps did receive \$95.2 million dollars for the MESD Levee System, eliminating the need to transfer funds from the Wood River Levee System. The Corps will spend the Wood River funds on Wood River Levee System, utilizing a Council design and also designing and constructing other Authorized Level Projects.

In June 2017, the Corps of Engineers informed the Council that it would be utilizing a Risk Informed Design Process for the East St. Louis Design Deficiency Project for the Metro East Sanitary District (MESD) Levee System. The Risk Informed Design Process determines which projects (based on vulnerability and effect) should be completed first, to achieve the most effective use of available funds. In the past the Corps looked at a system in general when accessing a risk factor, now they will be providing a risk factor for individual hazards or segments. The determination of individual project risk factors changes project priorities and design responsibilities between the Corps of Engineers and Wood.

All of these events impacted the 100-Year and 500-Year Levee System Improvements affecting certification, design and construction.

Another significant event occurred in 2019, but had no affect on certification, design, or construction. On June 8, 2019, the Mississippi River at St. Louis reached a flood elevation of 46.02 ft., the second

highest elevation ever recorded. It was a 100-Year Flood event and the river remained above flood stage for a record length of time of 126 days.

All of the improvements built by the Council performed as designed without any problems. Three record flood events, in less than four years, confirmed the need for the work the Council completed for the 100-Year accreditation and will complete for the 500-Year Authorized Level.

In 2020, another significant event, COVID-19 Pandemic, occurred and changed the way the Council met, and lowered sales tax revenues in FY 2020 by almost two percent. Fortunately, sale tax revenue rebounded in FY 2021 with a seventeen percent increase. A projected increase of sixteen percent is anticipated in FY 2022.

Current design and construction for FY 2023 includes 1) the Council implementing construction of MESD Bid Package #11, MESD Bid Package #14B and Wood River Bid Package #9, 2) Wood completing the design of the Prairie DuPont/Fish Lake Bid Package #15, and 3) Wood completing a portion of the design of Prairie DuPont/Fish Lake Bid Packages #16 and #17.

The general design features of the Wood River Levee System, the Metro East Sanitary District (MESD) Levee System and the Prairie DuPont/Fish Lake Levee System Authorized Level Projects are provided in Section VI and Appendix IV of this report.

In summary, progress continues in building and financing significant improvements to the flood protection systems in the Metro-East. With the continued support of the area's leadership and cooperation from the Corps of Engineers, the Council will be able to meet any remaining challenges to completion of the Authorized Level of Protection.





Figure 2

# Project Timeline

## 2007

**August - FEMA Announce De-accreditation**

## 2008

May - Legislation Becomes Law to Enable Sales Tax and Flood Prevention Districts

July – County Flood Prevention Districts Formed by Counties

July/September – Tax Approved by County Boards

September – Counties Advance Funding for Project Development Work

## 2009

January – Tax Collection Begins

June – Intergovernmental Agreement Signed

June – First Meeting of FPD Council

July – FPD Council Staff Hired

August - FPD Council Authorizes Challenges of FIRMS

September – Financial Advisor Selected

September - Project Strategy Adopted

December – Begin Levee Inspection

December – Select Consultant for Design Competition

## 2010

February - Issue RFP for Design Competition

June – Design Consultants Selected

October – Begin Design and Pre-Construction Testing

November – 2010 Series Bonds Issued

Figure 2  
*Project Timeline*

**2011**

March – Progress Drawings Submitted  
May – 30% Design Drawings Submitted  
June – Project Implementation Plan  
September – 60% Design Drawings Submitted

**2012**

January/December – Design of 100 –Year Projects

**2013**

January/December – Design of 100-Year Projects Continues  
September – USACE Permits Approved  
September – Construction Begins

**2014**

April – Design of 100-Year Projects Completed  
August – All 100-Year Construction Contracts Awarded

**2015**

February – 500-Year Authorized Level Resolution Approved (Appendix III)  
July – Design of 500-Year Projects Begins  
August/September – USACE Proposes New Cost Saving Alternative Reducing  
Costs by \$50M and Extending Construction Schedule  
October – East St. Louis 126-Inch Sewer Rehabilitation Project Required for  
Accreditation  
December – 2015 Series Bonds for 500-Year Authorized Level Projects Issued  
December – Third Highest Flood Event on record Delays Construction

Figure 2

***Project Timeline***

**2016**

April – Council Completes Wood River Deep Cutoff Wall Project – Eligible for \$14M Work In-Kind Credit (WIK)

December – Corps Informs Council of Two Year Delay for Wood River PPA Approval Delaying Utilization of WIK

December – Wood River East & West Forks Accreditation Package to FEMA

**2017**

March – Upper Wood River Accreditation Package to FEMA

April/May – Sixth Highest Flood Event on Record Delays Construction Again

June – Corps Informs Council of Utilization of Risk Informed Design Process in MESD Changing Priorities

July – Prairie Du Pont/Fish Lake Accreditation Package to FEMA

October – Lower Wood River Accreditation Package to FEMA

**2018**

February – Completion of 100-Year FEMA Certification Levee System Improvements

May – East St. Louis Work In-Kind Credit Receives Preliminary Approval

August – East St. Louis (MESD) Accreditation Package to FEMA

November – Corps receives \$95.2 M Work Plan Funds for East St. Louis Design Deficiency Corrections

**2019**

February – Corps gives Preliminary Approval for \$16M of Work In-Kind Credit for the Wood River Levee System

April – East St. Louis Design Deficiency Project Partnership Agreement Executed

Figure 2

***Project Timeline***

**2019**

- April – FEMA accepts East St. Louis /MESD Levee System as structurally sound
- May – Corps Approves \$12M of Work In-Kind Credit for East St. Louis Flood Protection Project
- July – Wood River Design Deficiencies Corrections Project Partnership Agreement Executed
- May/June – 100-Year Flood Event on Mississippi River, Second Highest Ever at 46.02 FT., Lasting a Record 125 Days. All 100-Year Improvements Operate as Designed
- November – FEMA issues letter of continued accreditation for the Prairie Du Pont/Fish Lake Levee System
- December – Award of first Authorized Level construction contract BP #18

**2020**

- January – Council refunds 2010 Series Bonds saving over \$13.2 million in debt service costs
- January - Award of second Authorized Level construction contract BP #14A

**2021**

- March - FEMA issues letter of continued accreditation for the Wood River East & West Fork Levee System
  - FEMA issues letter of continued accreditation for the Lower Wood River Levee System
  - FEMA issues letter of continued accreditation for the Upper Wood River Levee System

**2022**

- April – FEMA issues letter of continued accreditation for the East St. Louis/MESD Levee System

**Total FEMA Accreditation Achieved**

**2023**

Authorized Level Projects Design Continues

Authorized Level Projects Construction Continues



## IV. Financing and Budget

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Revenue from a dedicated sales tax is used to support the Council's ongoing design and construction activities. (See Figure 3, which reflects monthly receipts for various years).

In FY 2020, COVID started in March and sales tax revenues for the fiscal year were down \$206,868.

In FY 2021, the state passed the "Leveling the Playing Field Act" and sales tax revenues increased by seventeen percent.

Currently, FY 2022 sale tax revenues are projected to increase sixteen percent over FY 2021.

After experiencing the highest sales tax revenues for each county for fourteen consecutive months, receipts for the most recent two months were down 2.05% and up 9.41% compared to a year ago.

Sales tax receipts are conservatively projected to increase by three percent in FY 2023.

The Council issued bonds for \$94,195,000 in November 2010. After setting aside funds for a debt service reserve and costs of issuance, \$87 million was available to fund construction of the FEMA Certification Levee System Improvements.

In December 2015, additional bonds were issued providing \$77.5 million in funds for the 500-Year Authorized Level of Protection Projects.

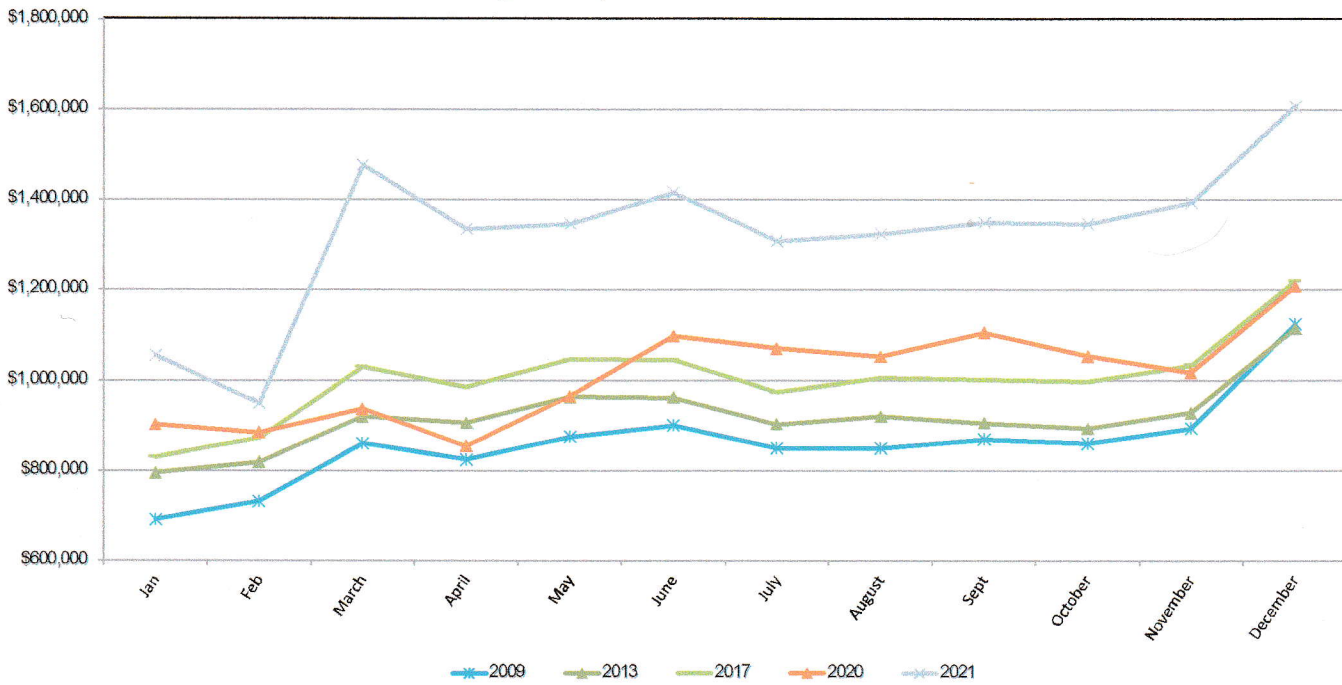
In the Fall of 2019, with interest rates at a historic low level, the Council started the process of refunding the 2010 Series Bonds. The results, completed in early 2020, exceeded projections, with the refunding providing the Council \$13.2 million dollars in debt service savings through the life of the bonds.

Table 1 is a financial summary of the Council's activities through September 30, 2021, prepared by Scheffel Boyle.

Figure 3

**Flood Prevention District Sales Tax Trends 2009-2021**

**Monthly Receipts 2009-2013-2017-2020-2021**





**Table 1**

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
STATEMENT OF REVENUES, EXPENDITURES, AND  
CHANGES IN FUND BALANCES - GOVERNMENTAL FUND  
FOR THE YEAR ENDED SEPTEMBER 30, 2021**

<b>REVENUES:</b>	
District Sales Tax	\$ 14,593,891
Less: Return of Excess Sales Tax to Districts	(4,214,127)
Reimbursement – East St. Louis	76,890
Interest Income	<u>60,989</u>
<b>Total Revenues</b>	<b>\$ <u>10,517,643</u></b>
<b>EXPENDITURES:</b>	
Current:	
General and Administrative	\$ 288,776
Design and Construction	5,518,292
Professional Services	62,517
Debt Service:	
Principal	3,420,000
Interest	5,973,081
<b>Total Expenditures</b>	<b>\$ <u>15,262,666</u></b>
<b>NET CHANGE IN FUND BALANCE</b>	<b>\$ (4,745,023)</b>
<b>FUND BALANCE:</b>	
Beginning of Year	<u>\$ 40,514,231</u>
End of Year	<u>\$ 35,769,208</u>

Table 1A indicates the Projected Expenditures for FY 2022 and the Proposed Budget for FY 2023.

Table 2 provides project expenditures for design, construction management, and construction proposed in FY 2023.

Table 3 compares the Estimated Authorized Level Funding Needed for FY 2023 thru FY 2026 to the Estimated Available Authorized Level Funding FY 2023 thru FY 2026, indicating fund balances on 9/30/2026, depending on the utilization of construction contingencies.

Table 1A

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL  
BUDGET  
OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023  
DRAFT**

	ACTUAL EXPENDITURES OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	ADOPTED BUDGET OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROJECTED EXPENDITURES OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022	PROPOSED BUDGET OCTOBER 1, 2022 THRU SEPTEMBER 30, 2023
<b>REVENUES</b>				
Sales Tax Proceeds From Districts	\$ 14,082,547	\$ 14,000,000	16,501,263	\$ 17,491,333
Interest Income	140,979	50,000	116,272	100,000
Other Contributions			-	-
Total Revenues	<u>\$ 14,223,526</u>	<u>\$ 14,050,000</u>	<u>\$ 16,617,535</u>	<u>\$ 17,591,333</u>
<b>EXPENDITURES</b>				
Design and Construction				
Engineering Design & Construction Management	2,528,686	5,198,000	2,140,000	5,223,000
Construction	4,362,568	12,601,700	1,853,367	23,550,000
USACE Authorized Level Costs	-	500,000	-	500,000
Total Design and Construction	<u>\$ 6,891,254</u>	<u>18,299,700</u>	<u>3,993,367</u>	<u>29,273,000</u>
Professional Services				
Legal & Legislative Consulting	26,971	190,000	61,598	190,000
Financial Advisor	18,300	65,000	17,150	65,000
Bond Trustee Fee	14,130	12,000	12,000	12,000
Total Professional Services	<u>\$ 59,401</u>	<u>\$ 267,000</u>	<u>\$ 90,748</u>	<u>\$ 267,000</u>
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	<u>\$ 3,559,997</u>	<u>\$ 1,000,000</u>	<u>\$ 6,046,227</u>	<u>\$ 3,500,000</u>
Debt Service				
Principal and Interest	9,393,081	9,474,781	9,474,781	9,549,731
Total Debt Service	<u>\$ 9,393,081</u>	<u>\$ 9,474,781</u>	<u>\$ 9,474,781</u>	<u>\$ 9,549,731</u>
Total Design & Construction Expenses	<u>\$ 19,903,733</u>	<u>\$ 29,041,481</u>	<u>\$ 19,605,123</u>	<u>\$ 42,589,731</u>
General and Administrative Costs				
Salaries, Benefits	234,438	240,000	225,941	251,000
Bank Service Charges	567	1,000	565	1,000
Equipment and Software	444	2,000	1,163	2,000
Fiscal Agency Services	34,705	37,000	36,278	38,500
Audit Services	17,500	19,000	18,000	19,500
Meeting Expenses	176	1,000	250	1,000
Postage/Delivery	558	1,000	514	1,000
Printing/Photocopies	1,790	2,000	1,378	2,000
Professional Services	-	10,000	350	10,000
Supplies	496	3,000	815	3,000
Telecommunications/Internet	3,338	3,000	1,751	3,000
Travel	155	5,000	200	5,000
Insurance	516	1,000	6,098	8,000
Total General & Administrative Costs	<u>294,683</u>	<u>\$ 325,000</u>	<u>293,303</u>	<u>345,000</u>
Total Expenditures	<u>20,198,416</u>	<u>\$ 29,366,481</u>	<u>\$ 19,898,426</u>	<u>42,934,731</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(5,974,890)	\$ (15,316,481)	\$ (3,280,891)	\$ (25,343,398)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (5,974,890)</u>	<u>\$ (15,316,481)</u>	<u>\$ (3,280,891)</u>	<u>\$ (25,343,398)</u>

PROJECTED FUND BALANCE SEPTEMBER 30, 2022

\$66,657,291

PROJECTED FUND BALANCE SEPTEMBER 30 2023

\$41,313,893

**Table 2**  
**Estimated Project Expenditures 10.1.2022 -9.30.2023**

<b>Design &amp; Construction Management</b>	<b>FY 2023</b>
<b>Engineering Design</b>	
<i>W. O. #1 Program Mgmt.</i>	\$150,000
<i>W. O. #3 Preconstruction Activities</i>	\$15,000
<i>W. O. #3 Flood Activities</i>	\$15,000
<b>Authorized Level Work Orders</b>	
<i>W.O. #13 Wood River Field &amp; Design BP #8, BP #9, &amp; BP #10</i>	\$150,000
<i>W.O. #14 MESD Field &amp; Design</i>	\$350,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field &amp; Design</i>	\$3,000,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>	\$150,000
<i>W.O. #19 Wood River LERRD's</i>	\$40,000
<i>PDP/FL LERRD'S</i>	\$150,000
<i>Illinois DNR Fees</i>	\$3,000
<b>Construction Management.</b>	
<i>W. O. #? Construction Management BP #9, BP #11, BP14B &amp; BP #15</i>	\$1,200,000
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION MGMT.</b>	<b>\$5,223,000</b>
<b>Construction</b>	
<i>Bid Package #9 - WOOD RIVER</i>	\$1,200,000
<i>Bid Package #11 - MESD</i>	\$12,000,000
<i>Bid Package #14B - MESD</i>	\$3,800,000
<i>Contingency (10% FPD Construction)</i>	\$1,700,000
<i>Utilities</i>	\$200,000
<i>Property Acquisition Authorized Level - Wood River</i>	\$200,000
<i>Property Acquisition Authorized Level - East St. Louis</i>	\$1,500,000
<i>Property Acquisition Authorized Level - Prairie Du Pont/Fish Lake</i>	\$500,000
<i>Wetland Mitigation</i>	\$600,000
<i>HazMat Mitigation</i>	\$1,500,000
<i>Legal</i>	\$350,000
<i>Corps of Engineers Authorized Level Costs</i>	\$500,000
<b>TOTAL CONSTRUCTION</b>	<b>\$24,050,000</b>
<b>TOTAL ENGINEERING DESIGN &amp; CONSTRUCTION</b>	<b>\$29,273,000</b>
<b>REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS</b>	<b>\$3,500,000</b>

<b>Operations &amp; Financing</b>	
<i>General &amp; Administrative</i>	\$345,000
<i>Debt Service</i>	\$9,549,731
<i>Professional Services</i>	
<i>Legal</i>	\$190,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
<b>TOTAL OPERATIONS</b>	<b>\$10,161,731</b>
<b>TOTAL EXPENSES</b>	<b>\$42,934,731</b>

**Table 3**

***Estimated Authorized Level Funding Needed FY 2023 to FY2026***

	<b>WOOD CONTINGENCIES NOT UTILIZED</b>	<b>WITH ALL WOOD CONTINGENCIES &amp; BP#17 DELAYED</b>
<i>Bid Package #11- MESD</i>	\$10,434,782	\$12,000,000
<i>Bid Package #14B- MESD</i>	\$3,454,545	\$3,800,000
<i>Bid Package #18A- MESD</i>	\$7,333,333	\$8,800,000
<i>Bid Package #9 - WOOD RIVER</i>	\$1,666,666	\$2,000,000
<i>Bid Package #15 - PDP/FL</i>	\$16,750,000	\$20,100,000
<i>Bid Package #16 - PDP/FL</i>	\$9,750,000	\$11,700,000
<i>Bid Package #17 - PDP/FL</i>	\$11,333,333	\$13,600,000
<i>Engineering Design &amp; Construction Management</i>	\$10,136,000	\$10,301,000
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$13,922,266	\$15,700,000
<i>General &amp; Administrative and Professional Services</i>	\$2,443,000	\$2,443,000
<b>CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED</b>	<b>\$87,223,925</b>	<b>\$100,444,000</b>

***Estimated Available Authorized Level Funding FY2023 to FY2026***

<i>Cash &amp; 2015 Bond Project Funds (9/30/2022)</i>	\$25,536,967	\$25,536,967
<i>County FPD Tax Funds (9/30/2022)</i>	\$46,989,936	\$46,989,936
<i>Additional Sales Tax Revenue After Debt Service</i>	\$32,885,055	\$32,885,055
<i>Interest</i>	\$198,000	\$198,000
<b>Available Funding</b>	<b>\$105,609,958</b>	<b>\$105,609,958</b>
<b>Current Estimated Balance on 9/30/2026</b>	<b>\$18,386,033</b>	<b>\$5,165,958</b>

## V. FEMA Certification Construction Costs

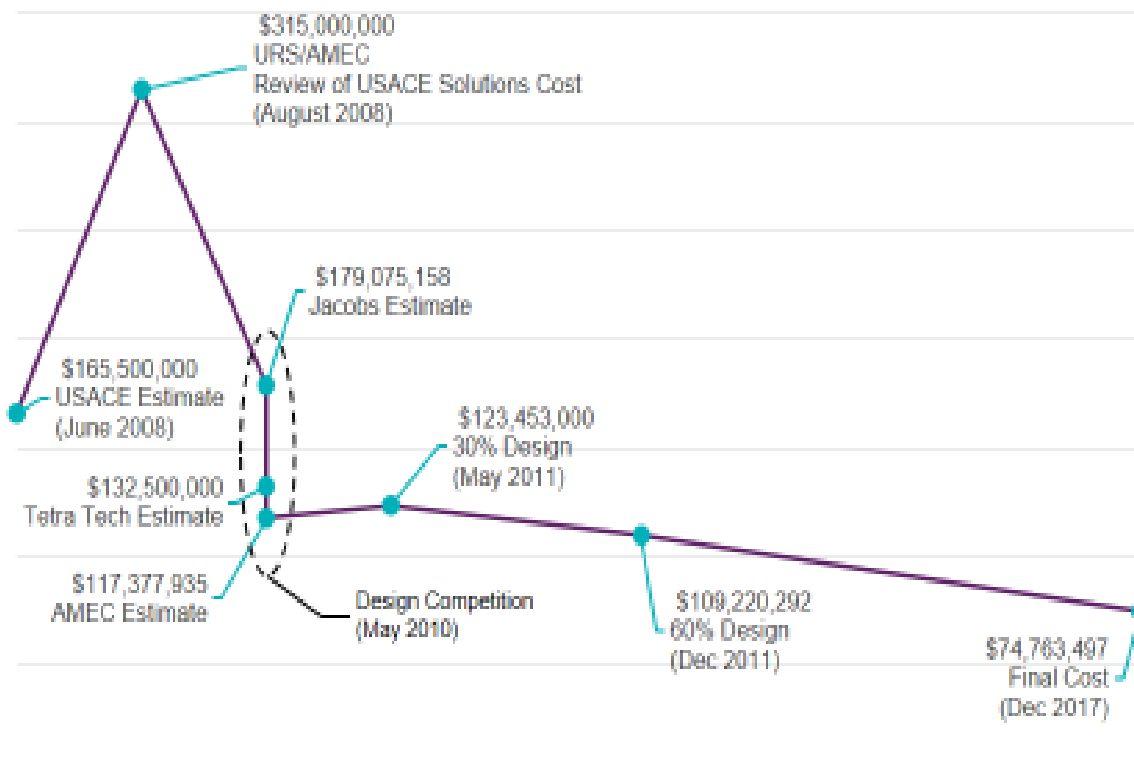
### Southwestern Illinois Flood Prevention District Council FEMA Certification Levee Improvement Projects

BID PACKAGE	LOCATION/PROJECT	CONTRACTOR	CONSTRUCTION COST
1	Gravity Drain & Toe Rehabilitation	Noeth Excavating	\$133,641.00
2A	Fish Lake 1 Pump Station	Korte & Luitjohan	\$797,599.53
2B	Prairie DuPont, MESD, and Wood River 5 Pump Stations	Korte & Luitjohan	\$5,346,710.92
2C	MESD Site 12 Force Mains	Haier Plumbing	\$311,692.00
3	Wood River Blanket Drains, Earth Fill, Relief Wells, Seepage Berms, Piping, Weirs	Keller Construction	\$12,922,903.94
4	MESD 1 Pump Station, Clay Cap, Piping, RWs	Haier Plumbing	\$6,398,834.40
5	MESD Clay Cap, Earth Fill, Piping, Relief Wells Rip Rap, Sluice Gate Rehabs	Keller Construction	\$14,420,883.71
6	Prairie DuPont & Fish Lake Clay Cap, Seepage Berms, Piping, Relief Wells, Sluice Gate Rehabs	Lane Construction	\$15,436,257.14
7A	Upper Wood River Shallow Cutoff Wall	Kamadulski Excavating	\$3,375,350.25
7B	Lower Wood River Deep Cutoff Wall	TREVIICOS	\$14,919,724.29
5A	East St. Louis 126 Inch Sewer Repair	SAK Construction	\$699,900.00
		<b>TOTAL</b>	<b>\$74,763,497.18</b>

# FEMA Certification



## History of Construction Cost Estimates



7

Exceptional design and construction management by Wood Environment & Infrastructure Solutions, Inc. (formerly Amec Foster Wheeler Environment and Infrastructure Inc.) and excellent bids and construction by the contractors utilized has allowed the Council to complete the 100-Year Levee System Improvements under estimated costs and have significant funds available for the 500-Year Levee System Improvements.

## VI. Authorized Level Levee Improvement Projects

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The Board of Directors has approved the design of Authorized Level Projects in the Wood River Levee System, the Metro East Sanitary District (MESD) Levee System, and the Prairie DuPont/Fish Lake Levee System. Wood is continuously working with the Corps of Engineers regarding the design and construction of the following Bid Packages

### **Wood River Levee System**

**Bid Package 9:** Formerly this package spanned the Lower Wood River Levee from Station 493+35 to 480+15 and included the design and construction of a new pump station and 18 relief wells; however, Bid package 9 will now, upon WIK approval by USACE, span the Lower Wood River Levee from Station 512+00 to 538+00. This package is expected to include a seepage berm, detention area, and gravity drain extension. This project is in place of a pump station and relief well solution designed by USACE.

Estimated Construction Cost \$2,000,000

### **Metro East Sanitary District (MESD) Levee System**

**Bid Package 11:** Spans the MESD Levee from Station 774+00 to 889+00. This package currently includes the design and construction of 65 relief wells, abandonment of 60 relief wells, modification to 10 relief wells, conveyance system improvements, and modifications to the existing G.C.E.D. #1X pump station to increase its capacity as well as modifications to the Madison Pump Station to modify the conveyance of relief well discharge into the pump station.

Estimated Construction Cost \$ 12,000,000

**Bid Package 14B:** Spans the MESD Levee from station 961+00 to 977+00 and includes the design and construction of a landside filter blanket. It is anticipated to be advertised for bid at the completion of construction of the USACE-designed and constructed MESD deep cutoff wall project (estimated to

be late 2022). Land acquisition from the Wiggins Ferry Company is underway.

Estimated Construction Cost \$ 3,800,000

**Bid Package 18A:** Pump station and relief well pipe conveyance system improvements in Cahokia, Illinois. Scope is currently being developed and will be coordinated with the Corps of Engineers. Currently scheduled for construction Winter 2024.

Estimated Construction Cost \$ 8,800,000

## **Prairie DuPont/ Fish Lake Levee System**

**Bid Packages 15:** Spans the Prairie DuPont Levee System from station 167+65 to 308+50 and includes the abandonment of existing relief wells, construction of new seepage berms, new relief wells, and the construction of a new pump levee station at station 209+13. Design is underway and construction is anticipated to begin at the end of 2023.

Estimated Construction Cost \$ 20,100,000

**Bid Package 16:** Spans the Prairie DuPont Levee System from station 308+50 to 550+00 and includes the abandonment of existing wells, construction of new seepage berms, and new relief wells. Subsurface investigations for this project will occur in late 2022 and construction is anticipated to begin in early 2024.

Estimated Construction Cost \$ 11,700,000

**Bid Package 17:** Spans the Fish Levee System from station 550+00 to 809+35 and includes the abandonment of relief wells, construction of new seepage berms, new relief wells and the construction of a larger pump station at levee station 691+00. Subsurface investigations for this project will occur in late 2022 and construction is anticipated to begin in mid-2024, subject to available funding.

Estimated Construction Cost \$ 13,600,000



## VII. Authorized Level Construction

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### Southwestern Illinois Flood Prevention District Council Authorized Level Construction Completed

BID PACKAGE	LOCATION/PROJECT	CONTRACTOR	CONSTRUCTION COST

14A	MESD Underseepage Improvements – Cutoff Trench, Riverside Blankets/Berms, Piezometers, & Placement of Fill	Keller Construction	\$950,746.86
18	MESD Relief Wells, Conveyance Systems, Sluice Gates, & Modifications to Cahokia Pump Station & Pump Station Forebay	Keller Construction	\$4,763,340.84

		<b>TOTAL</b>	<b>\$5,714,087.70</b>
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## VIII. FEMA Certification and Mapping

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Certification reports were submitted to FEMA as each levee system was completed. Wood prepared reports for Wood River East/West Fork, Prairie DuPont/Fish Lake, and Lower Wood River.

The USACE submitted a National Flood Insurance Program (NFIP) Levee System Evaluation Reports (LSER) for the Upper Wood River Levee System, which includes the Mel Price uncontrolled underseepage area and for East St. Louis (MESD) Levee System, including the Chain of Rocks Levee.

All levee improvements leading to certification were completed by February 8, 2018.

There was concern about the timeline for the Corps of Engineers making necessary improvements to a critical stretch of levee in the Wood River area in the vicinity of the Mel Price Lock and Dam. FEMA agreed to accept the Corps' certification of that portion of the system with the Corps utilizing an interim operations plan until funding of final improvements was available. In March 2019, the Corps of Engineers received \$24,087,000 in the FY20 President's Budget for construction of the needed improvements. The Corps of Engineers has completed the installation of all relief wells in the Reach 1 Relief Well Contract and is scheduled to award the Reach 2 Relief Well contract this month. The project is anticipated to be closed out in FY 2024.

### **100-Year Certification Packages Status**

#### East & West Fork Levee Systems

Originally submitted by Wood on December 5, 2016

FEMA issued a letter of continued accreditation on March 25, 2021.

#### Prairie DuPont & Fish Lake Levee Systems

Originally submitted by Wood on July 6, 2017

FEMA issued a letter of continued accreditation on November 14, 2019.

#### Lower Wood River Levee System

Originally submitted by Wood on October 17, 2017

FEMA issued a letter of continued accreditation March 25, 2021.

#### Upper Wood River Levee System

Originally submitted by Corps of Engineers on March 10, 2017

FEMA issued a letter of continued accreditation March 29, 2021.

East St. Louis/MESD Levee System

Corps of Engineers submitted to FEMA on August 31, 2018

FEMA issued a letter of continued accreditation April 26, 2022.

Copies of all accreditation letters are provided in Appendix II

With improvements and accreditations being completed and received, FEMA will begin the process of issuing new maps. The intent is to work closely with FEMA to ensure the new maps when issued, reflect the completed 100-Year Level of Protection levee improvements. It is currently anticipated that FEMA will be issuing new maps later this year or in 2023.

## IX. Work In-Kind (WIK) Credit & Lands, Easements, Rights-of-Way, Relocation, Disposal Areas (LERRDs) Credit

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The Council continues to work with the Corps of Engineers to ensure the work the Council does on the 500-Year Authorized Level of Protection Projects is eligible for Work In-Kind Credit (WIK) and Lands, Easements, Rights-of-Way, Relocation, Disposal Areas (LERRDs) Credit..

These are elaborate and multi tasked processes that can take up to two years before a project is guaranteed to be eligible for WIK or LERRDs Credit. A project is only guaranteed to be eligible if there is a properly executed Project Partnership Agreement (PPA) for the Levee System.

The Council first operated under Memorandums of Understanding, which allowed work to be considered prior to the execution of an amended Project Partnership Agreement. The credits are only good towards the non-Federal contribution of funds for a project, and will not be considered for the five percent cash requirement.

Next, an Integral Determination Report (IDR) that identified the work the Council intended to perform as In-Kind contributions in a Levee System had to be approved.

Finally, the amendments to the PPAs had to be finalized and submitted to the Corps' Mississippi Valley Division (MVD). After approval by the MVD, they were forwarded to headquarters in Washington, D.C. for approval.

On April 1, 2019, the amended Project Partnership Agreement between the Council, the Corps of Engineers, and the Metro East Sanitary District was executed. This made \$11,887,414 of work, the Council had completed, eligible for Work In-Kind Credit towards the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project.

On July 26, 2019, the amended Project Partnership Agreement between the Council, the Corps of Engineers, and the Wood River Drainage and levee District was also executed. This made \$16,041,496 of work, the Council had completed, eligible for Work In-Kind Credit towards the Supplemental Design Deficiency Corrections for the Wood River Levee System.

Additional WIK and LERRDS requests have been submitted to the Corps for both the MESD and Wood River Levee Systems.

In the Prairie DuPont/Fish Lake Levee System, the Council will operate under the Memorandum of Understanding signed in 2015 and under Section 408 authorization, which allows the Council to provide funds to the Corps of Engineers for design and construction oversight. A Project Partnership Agreement cannot be utilized, since the Corps of Engineers has determined the Prairies DuPont/Fish Lake Levee System Design Deficiency Project has a low benefit cost ratio, which prevents the Corps from obtaining funds.

The Corps of Engineers has completed a Risk Assessment Review, is trying to obtain funding for a risk informed design, and continues to look for ways to improve the benefit cost ratio.

Even if a funding alternative allowing federal funding in conjunction with non-federal funding were determined, it would take years before funding would be available. Until federal funds would possibly become available, the Council is proceeding paying all project costs in the Prairie DuPont/Fish Lake Levee Systems to reduce flood risks.

The Council started the 500-Year Authorized Level design process prior to having the amended Project Partnership Agreements with the Work In-Kind Credit provision. This had a slight risk, but the risk was low, since the Council was working with the Corps and was designing and constructing projects the Corps had identified as part of the Authorized Level of Protection.

Starting the design, prior to having the Project Partnership Agreements, allowed project construction two years earlier and provided additional flood protection to the Metro-East area sooner. The first two Authorized Level Projects awarded have already been completed.

The Council has satisfied the Corps' five percent cash requirement for the East St. Louis and Wood River Design Deficiency Corrections Projects. Funds continue to be budgeted for the Corps of Engineers' oversight of the Prairie Du Pont/Fish Lake design and construction, if needed.

## X. Conclusions, Issues and Next Steps

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Much progress has been made in the thirteen years that the Council has been in existence towards the regional goal of maintaining a high level of flood protection for the American Bottom area. Doing so is a regional priority and the Council has acted with a great sense of urgency, commitment, and cooperation in providing major improvements to the flood protection system. That process reached important milestones in February 2018 with the completion of all of the 100-Year Level of Protection Projects and the submittals of all of the certification packages.

With the interim goal of achieving FEMA accreditations, the process of achieving the long-term goal of 500-Year Authorized Level of Protection is well on its way. The Council's intent has been expressed by resolution (Appendix III); action has been initiated by the authorization of the design of Authorized Level Projects in the Wood River Levee System, the Metro East Sanitary District (MESD) Levee System, and the Prairie DuPont/Fish Lake Levee System and a successful bond sale generating an additional \$77.5 million in construction funds.

There are a number of critical next steps as we continue to move forward:

- Continue to work with levee districts to establish sufficient funding for ongoing maintenance of improvements, FEMA Level Improvements – Wood has prepared Life Cycle Costs for each of the Levee Systems. Currently, working with the Wood River Drainage & Levee District and the Prairie Du Pont Levee & Sanitary District
- Continue to identify the most cost effective and high priority projects in the Wood River and MESD Levee Systems as the Corps of Engineers completes its Risk Assessment & Supplemental Report for Wood River and utilizes the Risk Informed Design Process for the East St. Louis Design Deficiency Project
- Prioritize the Authorized Level Projects in the Prairie Du Pont/Fish Lake Levee System
- Complete the design of the 500-Year Authorized Level of Protection Projects that can be built either by the FPD or the Corps of Engineers
- Construct as many cost effective and high priority Authorized Level of Protection Projects, which qualify for Work In-Kind Credit, as possible

Mississippi River flood stages in December 2015/January 2016 (fourth highest elevation recorded) and April/May 2017 (seventh highest elevation record) delayed construction completion and pushed accreditation back.

The May/June 100-Year flood event (the second highest event on record at 46.02 ft., and the longest flood event on record at 126 days), tested the seventy-five million dollars of flood protection improvements the Council has built. However, all improvements performed as designed and the Metro East American Bottom Levees handled the event much better than ever before.

Three record flood events, in the a six year period, confirm the need for the work the Council completed for the 100-Year accreditation and will ultimately complete for the 500-Year Authorized Level of Protection.

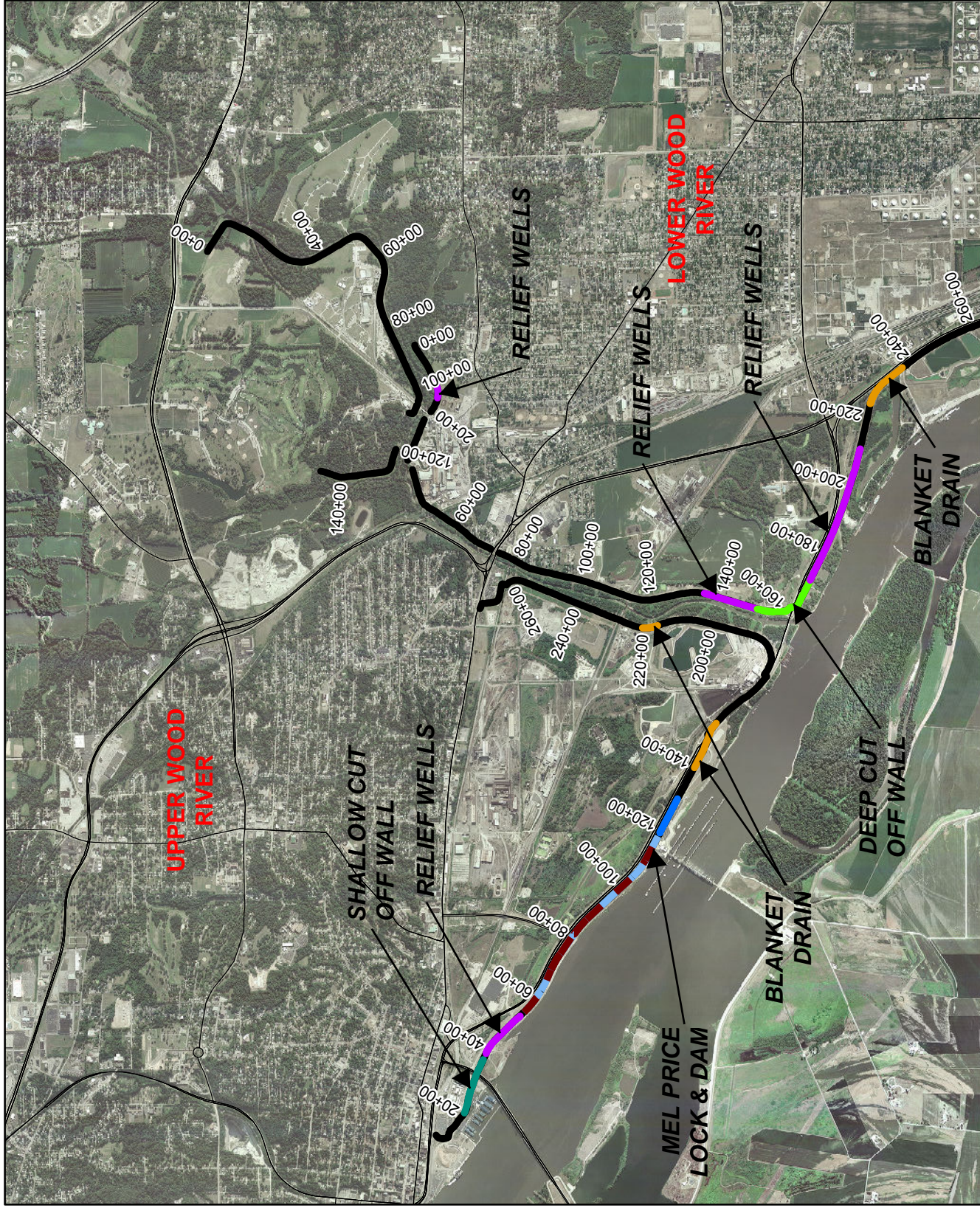
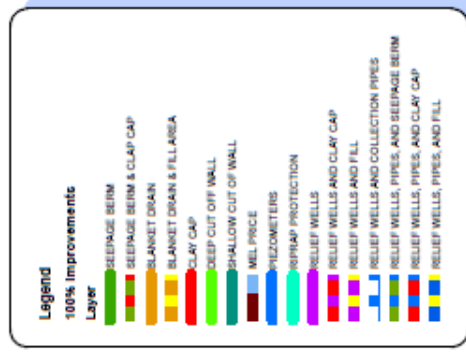
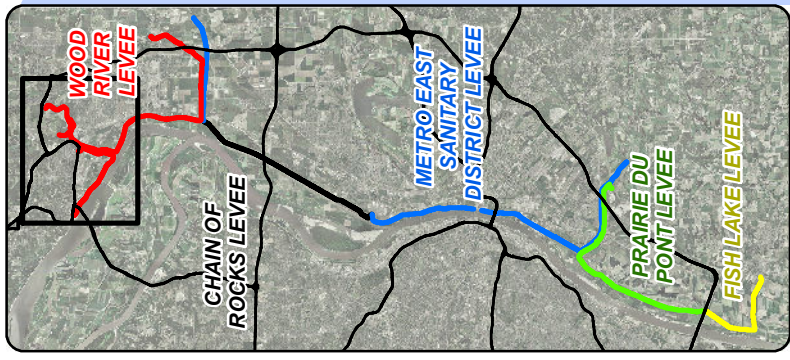
The COVID-19 Pandemic has not affected the Council's revenues as projected; instead, revenues are currently increasing and should allow the Council to achieve its ultimate goal of providing the Authorized Level of Protection to the Metro-East area in 2025 or 2026, almost twenty years sooner than original projected.

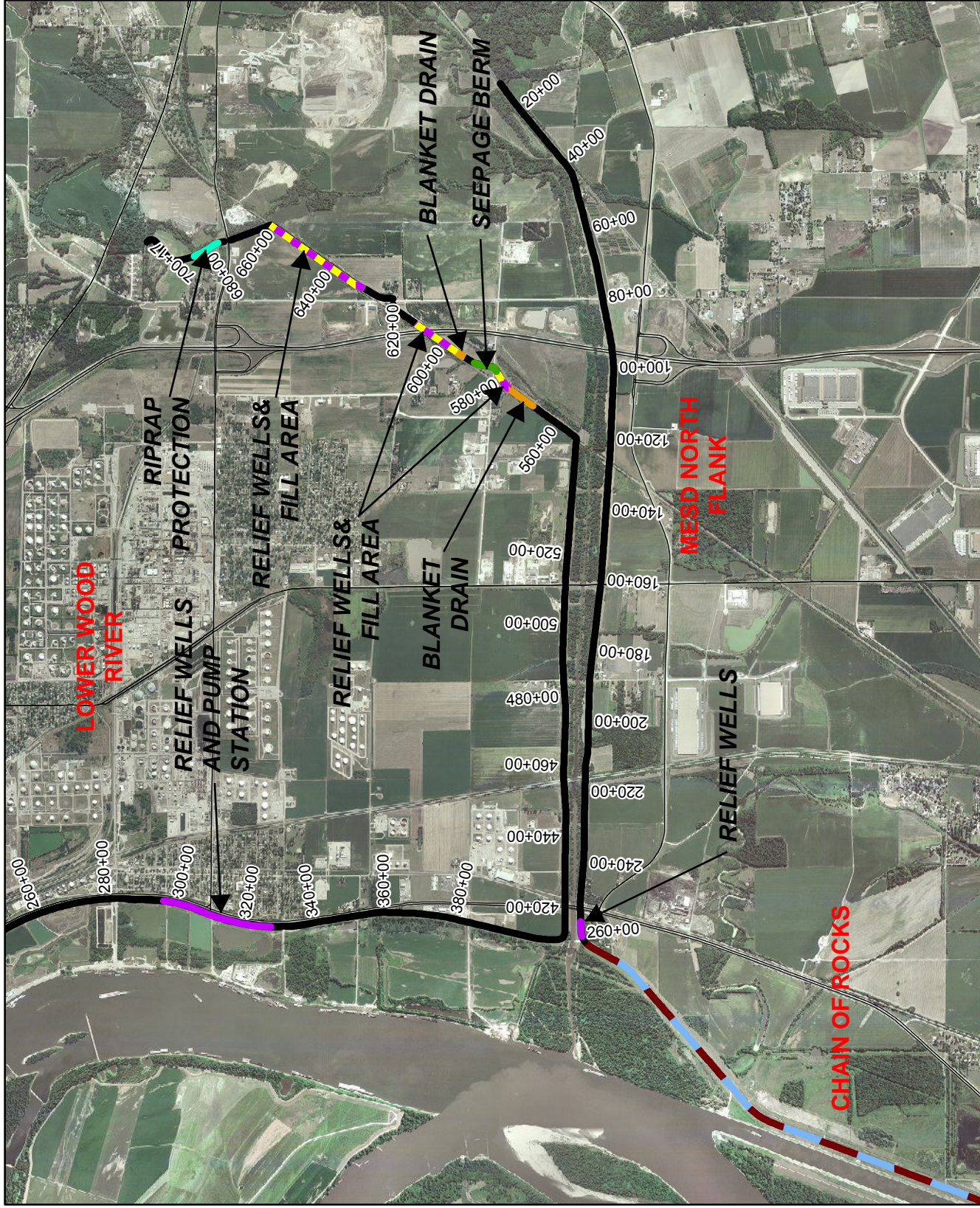
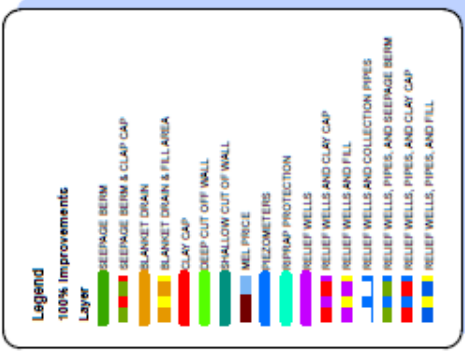
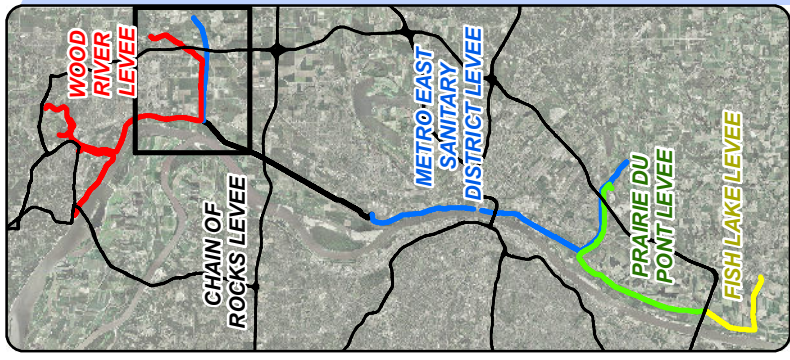


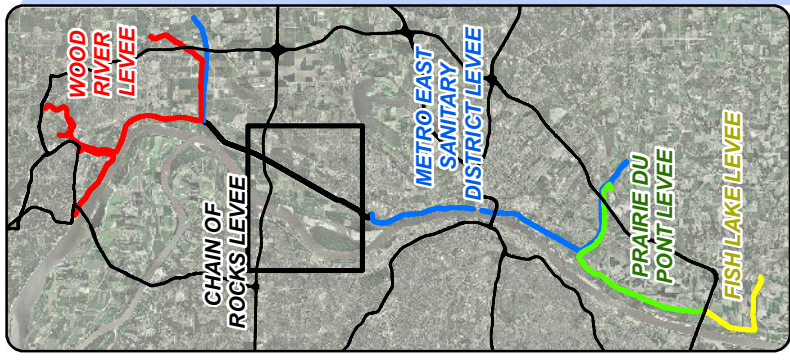
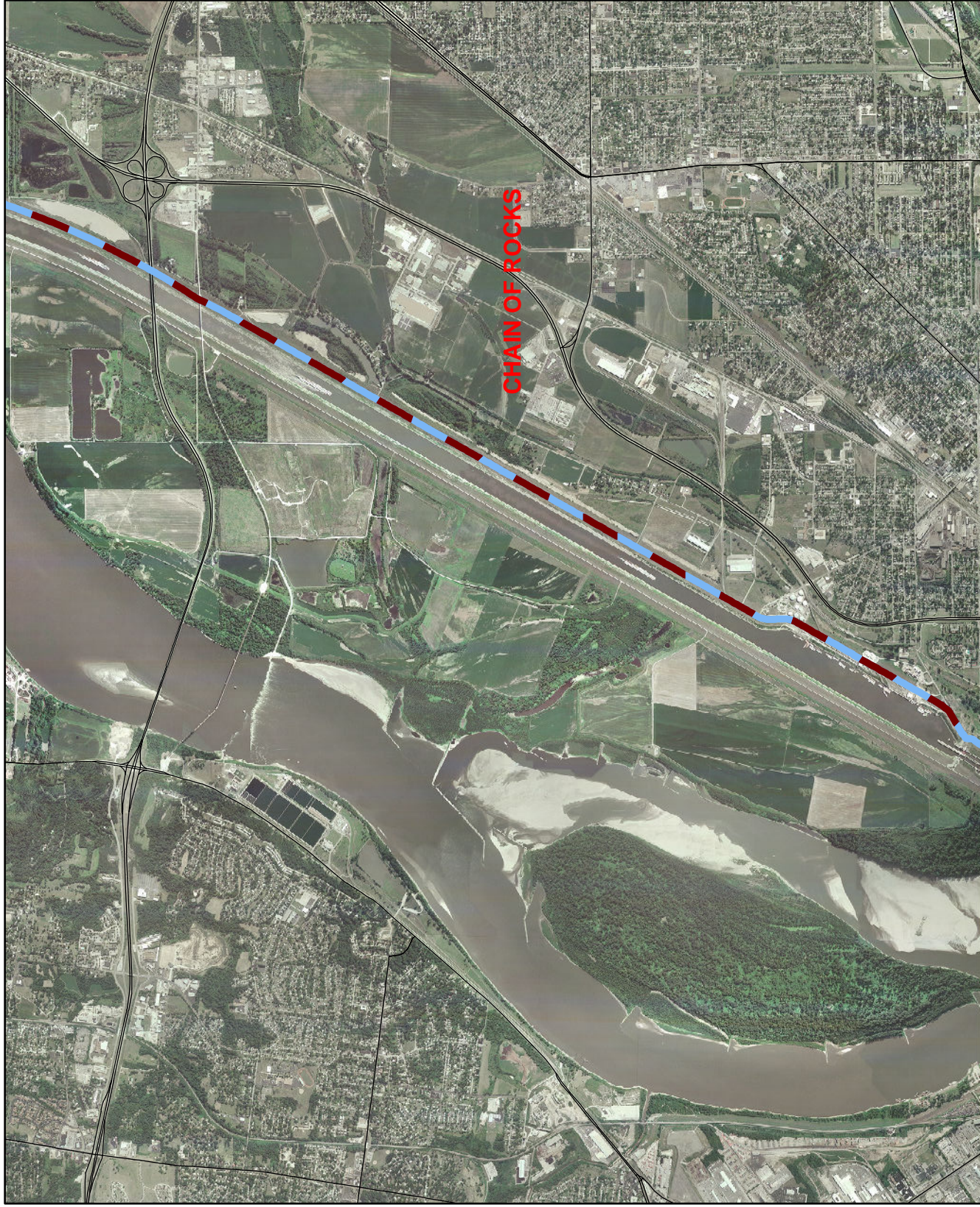
## **Appendix I**

### **FEMA Certification Levee System Improvements**





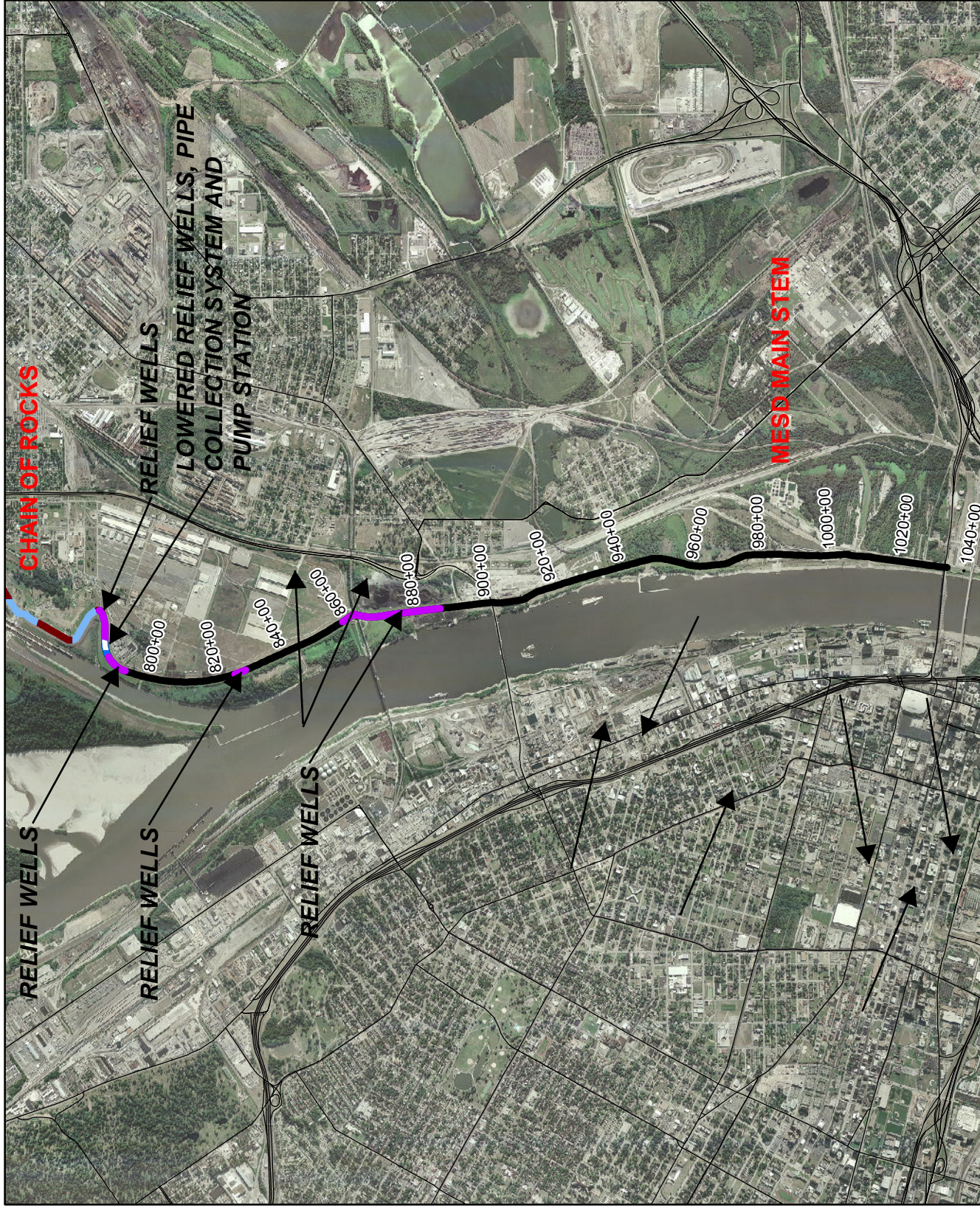
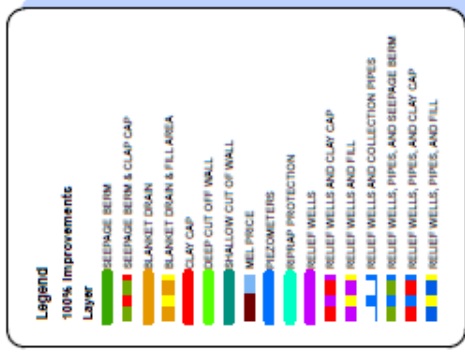
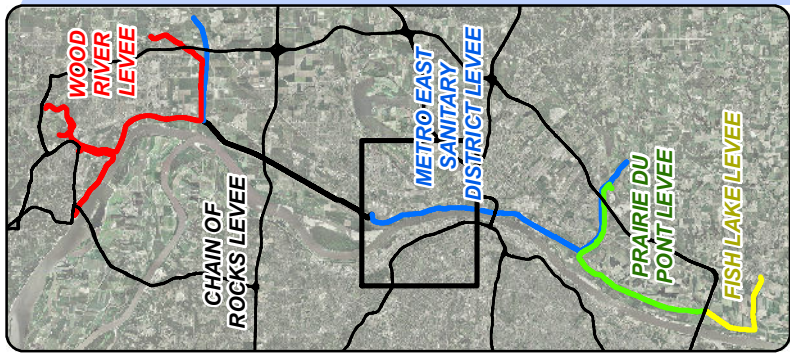


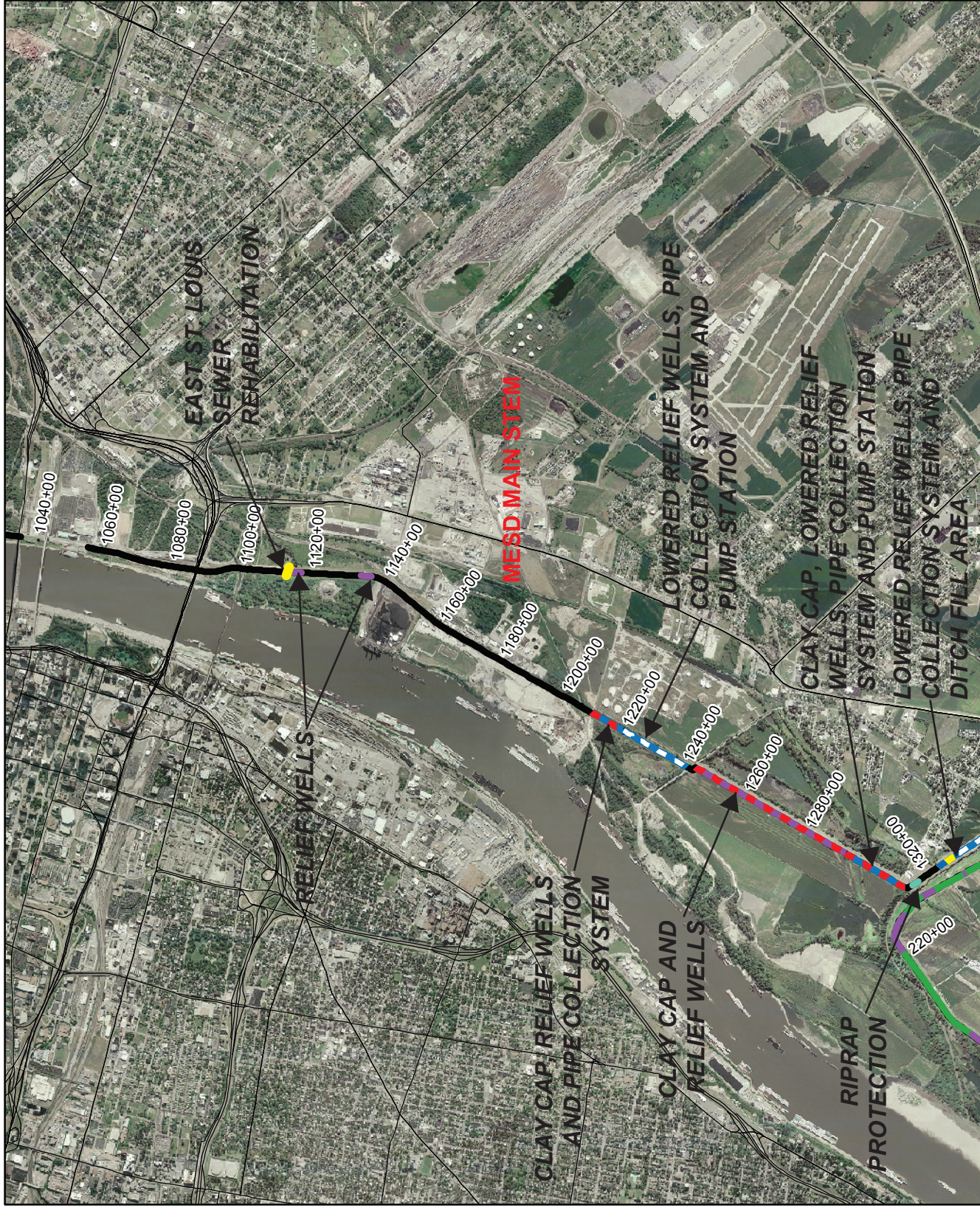
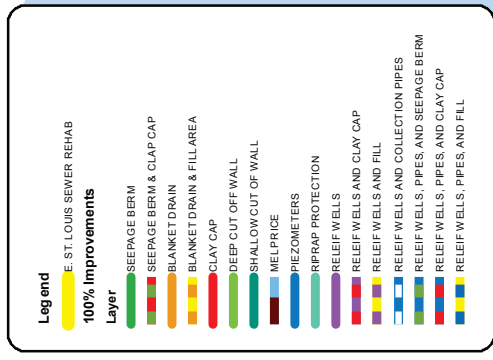
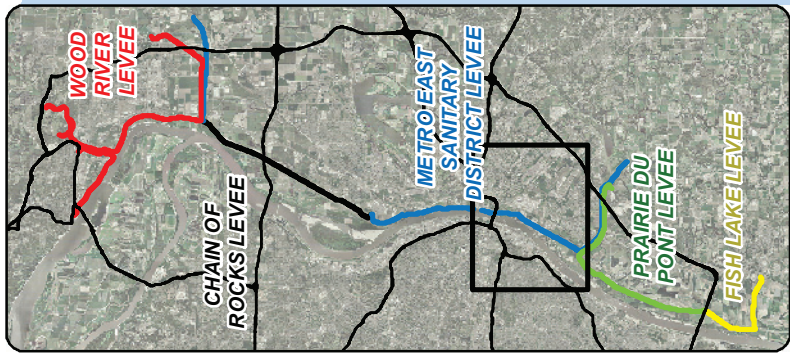


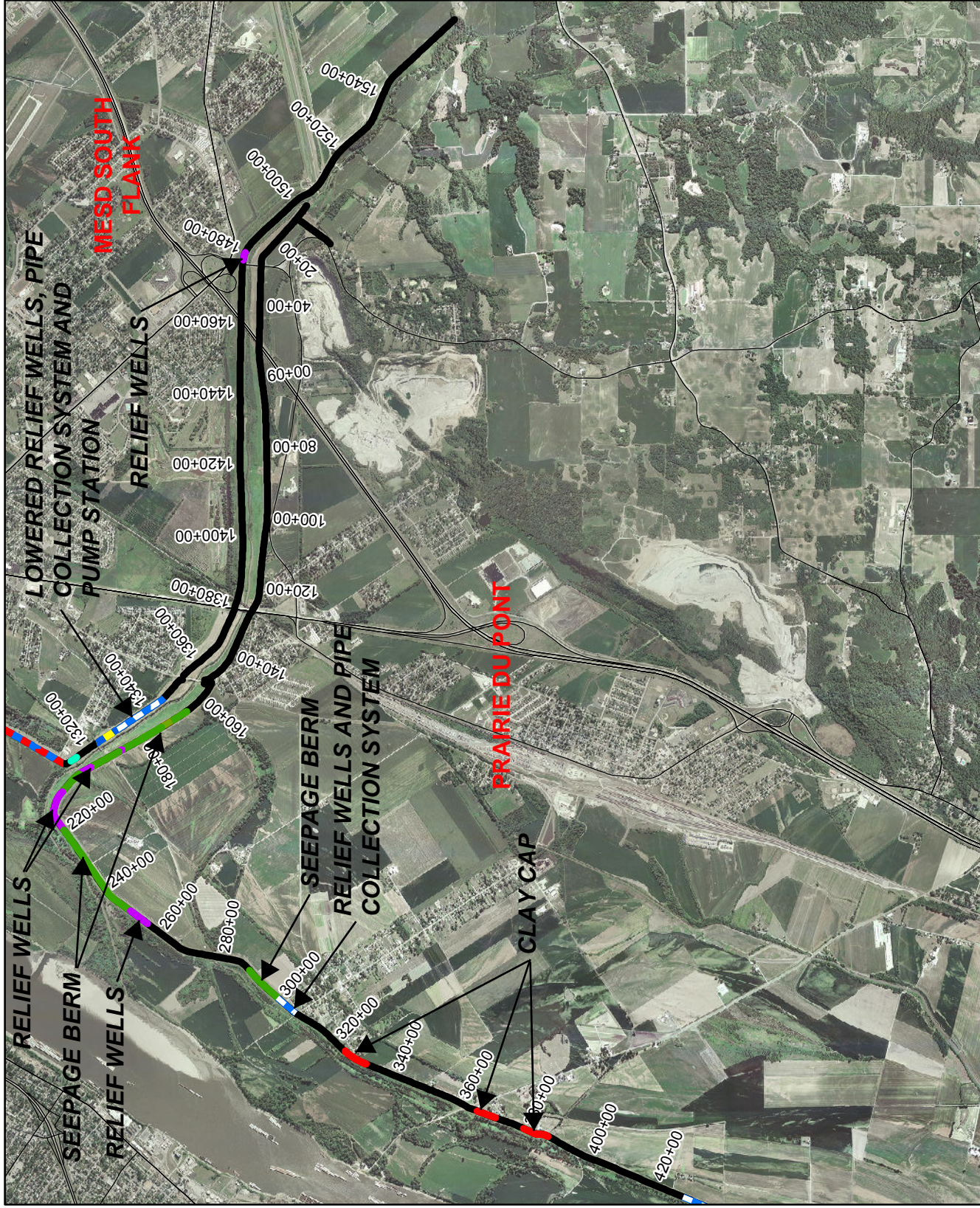
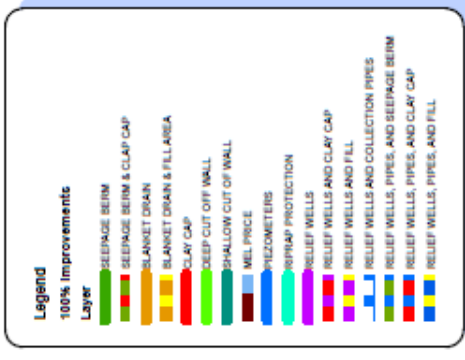
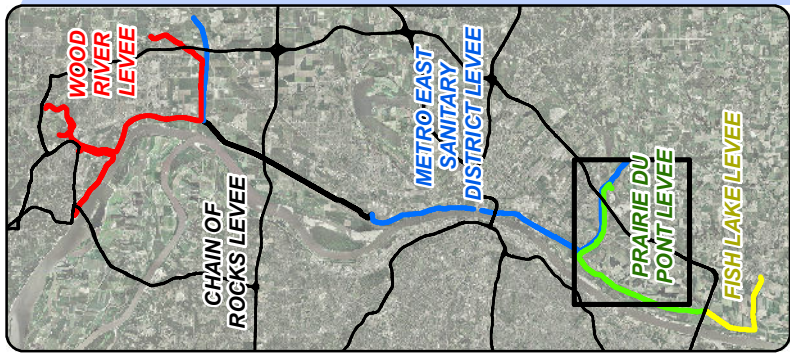
**Legend**

**100% Improvements**

Layer	Improvement Type
Green	SEEPAGE BEHM & CLAY CAP
Yellow	SEEPAGE BEHM
Orange	BLANKET DRAIN
Red	BLANKET DRAIN & FILL AREA
Light Blue	CLAY CAP
Dark Blue	DEEP CUT OFF WALL
Light Green	SHALLOW CUT OFF WALL
White	WEL PRICE
Purple	PIEZOMETERS
Light Purple	SEEPAGE PROTECTION
Yellow-Green	RELIEF WELLS
Light Blue-Green	RELIEF WELLS AND CLAY CAP
Light Green	RELIEF WELLS AND FILL
Light Blue	RELIEF WELLS AND COLLECTION PIPES
Light Green	RELIEF WELLS, PIPES, AND SEEPAGE BEHM
Light Blue	RELIEF WELLS, PIPES, AND CLAY CAP
Light Green	RELIEF WELLS, PIPES, AND FILL



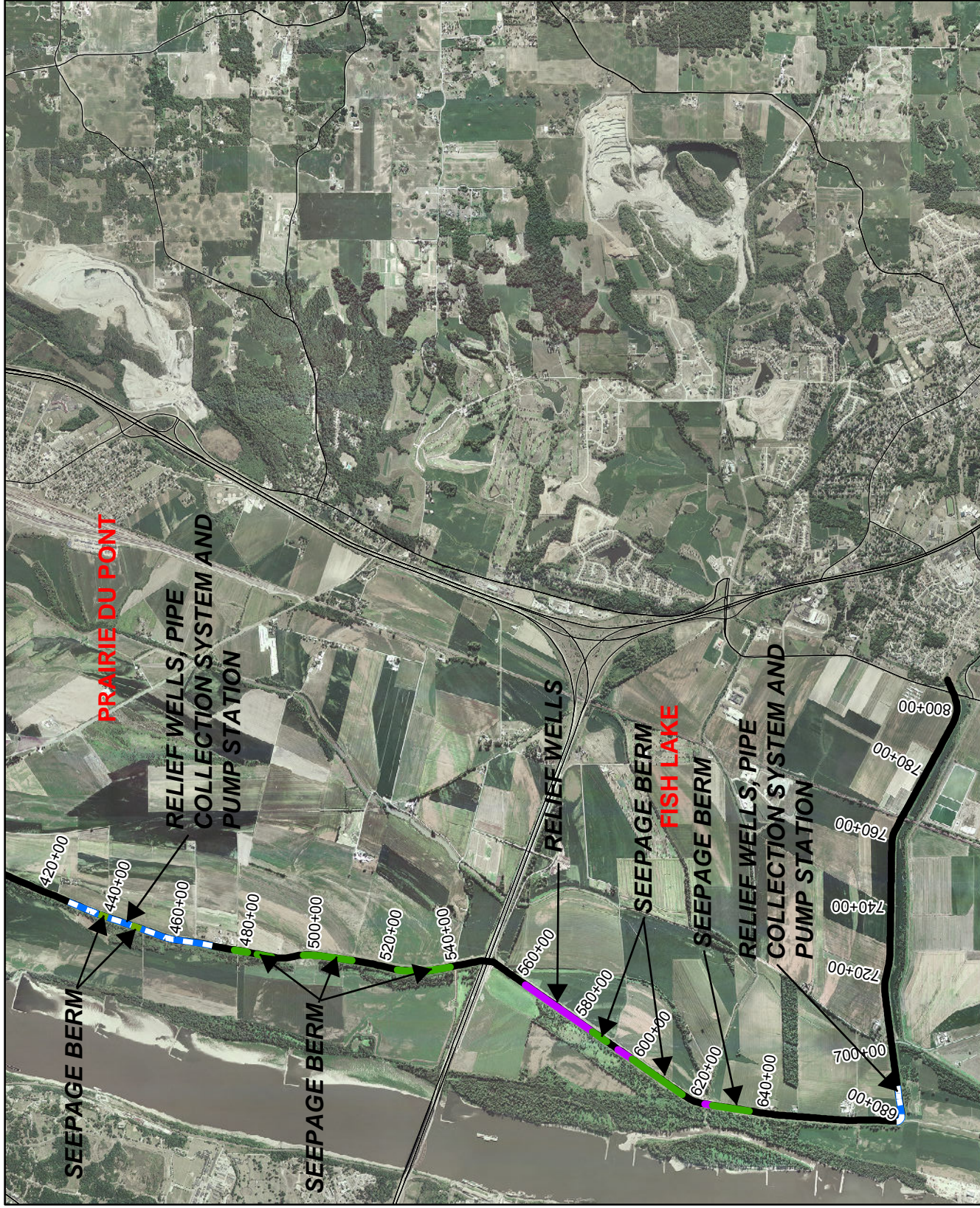
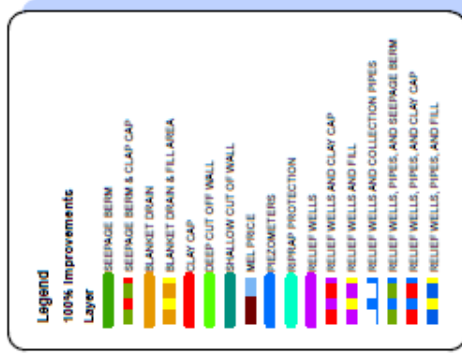
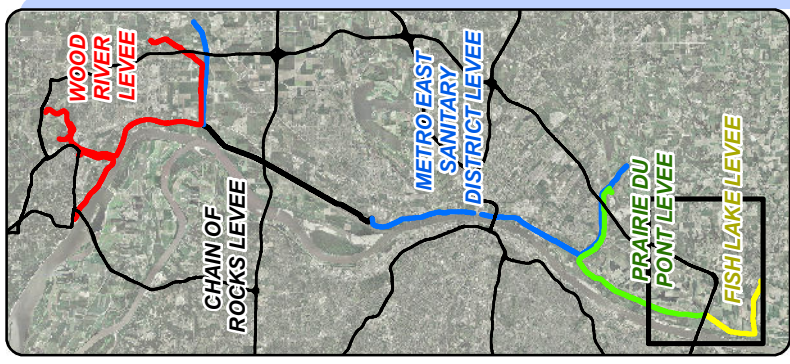




FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

METRO EAST SANITARY DISTRICT (MESD) & PRAIRIE DU PONT LEVEES





FEMA CERTIFICATION DESIGN - 100% SOLUTIONS  
 PRAIRIE DU PONT & FISH LAKE LEVEES



15933 CLAYTON ROAD, SUITE 215  
 BALLWIN, MO 63011





**Appendix II**

**Southwestern Illinois Flood Prevention District Council**

**FEMA Letters of Accreditation**



U.S. Department of Homeland Security  
FEMA Region V  
536 South Clark Street, 6th Floor  
Chicago, IL 60605



**FEMA**

November 14, 2019

Michael L. Sullivan  
President, Prairie Du Pont Levee and Sanitary District  
1327 Davis St Ferry Road  
East Carondelet, IL 62240

Gary A. Stumpf  
Chief Executive Officer, Fish Lake Drainage and Levee District  
10702 Levee Road  
Columbia, IL 62236

RE: St. Clair and Monroe County, Illinois, Prairie du Pont and Fish Lake,  
Illinois Flood Protection Project Certification Documents

Dear Mr. Sullivan and Mr. Stumpf:

This letter is in reference to documents and certifications submitted to the Federal Emergency Management Agency (FEMA) by Wood Environment & Infrastructure Solutions, Inc. (Wood) to demonstrate that the Prairie du Pont and Fish Lake Flood Protection Project complies with minimum requirements of the National Flood Insurance Program (NFIP) for purposes of showing flood protection against Base (one-percent annual chance) Flood Elevations of the Mississippi River and relevant tributaries. Applicable regulations are found at Title 44 of the Code of Federal Regulations (CFR), Section 65.10 (44 CFR Section 65.10). The documents and certifications were submitted by Wood under various cover dated July 6, 2017, June 29, 2018, July 5, 2018, April 16, 2019, and July 24, 2019. This letter serves to provide notice that the submitted documentation and data have been reviewed for completeness and have been determined to meet the minimum certification criteria outlined in 44 CFR Section 65.10

Documentation and certifications from Wood per the above-referenced dates were submitted on behalf of the Prairie du Pont Levee and Sanitary District and Fish Lake Drainage and Levee District, agencies created by Illinois state law for oversight of operations and maintenance of the Prairie Du Pont Levee and Sanitary District & Fish Lake Drainage and Levee District (PDP-FL) levee system. Materials submitted by Wood substantiate that operations and maintenance plans have been adopted by the Prairie du Pont Levee and Sanitary District and Fish Lake Drainage and Levee District as required to support levee accreditation under provisions of 44 CFR Section 65.10.

These submissions, provided under the direction of the Southwestern Illinois Flood Protection District Council, were received in response to FEMA's ongoing actions to update Flood Insurance Rate Maps (FIRMs) for communities in the Counties of St. Clair and Monroe. FEMA retains the right to have conversations with the levee owner about the status of the system as an accredited levee. We also ask that you advise this office should new or updated information become available regarding loading conditions or other design or operational considerations.

While levees can help reduce the risk of flooding, it is important to remember that they do not eliminate the risk. For those living or working near levees, it is important to understand the risk, learn the facts, and be aware of steps that can be taken to reduce the risk to their families, businesses, and communities from the threat of flooding. For these reasons, FEMA encourages community leaders to continue their risk communications to help everyone understand their risk. The NFIP was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and providing flood insurance to lessen the financial impact of flood damage. Through the NFIP, property owners in participating communities are able to insure against flood losses.

The FEMA lead for this project is Ken Hinterlong. Mr. Hinterlong may be contacted by phone at (312) 408-5529, or by email at [ken.hinterlong@fema.dhs.gov](mailto:ken.hinterlong@fema.dhs.gov). Please do not hesitate to contact the Region V office if you have any questions.

Sincerely,



Mary Beth Caruso  
Director, Mitigation Division  
FEMA Region V

cc: Mr. Curtis McCall Jr., Mayor, Village of Cahokia  
Mr. Kevin Hutchinson, Mayor, City of Columbia  
Mr. Jerald Wilson, President, Village of Dupo  
Mr. Herbert Simmons, President, Village of East Carondelet  
Mr. Mike Fausz, Floodplain Coordinator, Monroe County  
Ms. Anne Markezich, NFIP Coordinator, St. Clair County  
Mr. Charles Etwert, Chief Supervisor, Southwestern Illinois Flood Prevention District Council  
Mr. Randy Cook Jr., Senior Civil Engineer, Wood Environment & Infrastructure Solutions, Inc.  
Mr. David Busse, Levee Safety Officer, Chief, Eng. and Construction Division, USACE, St. Louis District  
Ms. Rachel Lopez, Levee Safety Program Manager, USACE, St. Louis District  
Mr. Paul Osman, NFIP State Coordinator, Illinois Department of Natural Resources  
Mr. Dan Shulman, External Affairs, FEMA Region V



FEMA

March 25, 2021

Kevin Williams  
Executive Director, Wood River Drainage & Levee District  
543 West Madison Street  
Wood River, IL 62095

Dear Mr. Williams:

This letter is written pursuant to the compliance review performed by U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) of various levee certification documents received for the Wood River Flood Protection Project, East and West Fork Levee System in the Madison County, Illinois. These documents were prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) and include submissions dated December 5, 2016, June 29, 2018, and December 15, 2020.

Documents submitted to FEMA included data and certifications to support accreditation of the Wood River Flood Protection Project, East and West Fork Levee System.

FEMA performed a compliance review of all data and certifications submitted and a final Certification Submission Comments sheet is enclosed. Based on FEMA's compliance review, all applicable requirements to reflect full accreditation have been met for the Wood River Flood Protection Project, East and West Fork Levee System. In response, FEMA plans to recognize the Wood River Flood Protection Project, East and West Fork Levee System as accredited on the future *Preliminary* FIRM. The flood hazard areas landward of this system will be mapped as shaded Zone X and Special Flood Hazard Area for interior drainage areas. An updated levee system accreditation note will be placed in that area of the FIRM panel. FEMA accreditation of a levee system does not guarantee that the levee will provide flood hazard reduction to properties from flooding; therefore, FEMA has included a note on related FIRM panels that overtopping, or failure of an accredited levee system is possible.

FEMA retains the right to revise these designations upon indication of changing condition of the flood hazard or the infrastructure itself. Future map updates will require the levee system to be evaluated at such time; design, construction, operation, and/or maintenance documents may be requested at any time; and deviations from this documentation could result in the levee system no longer being mapped as accredited on a future FIRM.

It is important to note that levee systems are only designed to provide a specific level of flood risk reduction. They can be overtopped or fail in larger flood events. When levee systems do fail, the consequence of failure can be catastrophic. Also, levee systems require regular maintenance and periodic upgrades to retain their level of flood risk reduction. For these reasons, FEMA

Wood River Flood Protection Project  
East and West Fork Levee System  
March 25, 2021

encourages communities that rely on levee infrastructure to be especially proactive in making property owners aware of residual risk and steps available for mitigation.

The NFIP was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and providing flood insurance to lessen the financial impact of flood damage. Through the NFIP, property owners in participating communities are able to insure against flood losses.

The FEMA lead for this Madison County map update is John Wethington. Mr. Wethington may be contacted by phone at (312) 485-5485, or by email at john.wethington@fema.dhs.gov. Please do not hesitate to contact the Region V office if you have any questions.

Sincerely,



Mary Beth Caruso  
Director, Mitigation Division  
FEMA Region V

Enclosure

All "cc" communications delivered by electronic correspondence.

cc: Mr. Joe Silkwood, Mayor, Village of East Alton  
Mr. Brant Walker, Mayor, City of Alton  
Mr. Gary Cranmer, Director of Building and Zoning, Village of East Alton  
Mr. Vince Warlick, Director of Building and Zoning, City of Alton  
Mr. Steve Brendel, Stormwater Coordinator, Madison County  
Mr. Charles Etwert, Chief Supervisor, Southwestern Illinois Flood Prevention District Council  
Mr. Randy Cook Jr., Senior Civil Engineer, Wood Environment & Infrastructure Solutions, Inc.  
Mr. David Busse, Levee Safety Officer, Chief, Eng. and Construction Division, USACE, St. Louis District  
Ms. Rachel Lopez, Levee Safety Program Manager, USACE, St. Louis District  
Mr. Jeremy Eck, Acting Levee Safety Program Manager, USACE, St. Louis District  
Mr. Hal Graef, Project Manager, USACE, St. Louis District  
Ms. Marilyn Sucoe, Acting NFIP State Coordinator, Illinois Department of Natural Resources  
Mr. Dan Shulman, External Affairs, FEMA Region V





FEMA

March 25, 2021

Kevin Williams  
Executive Director, Wood River Drainage & Levee District  
543 West Madison Street  
Wood River, IL 62095

Dear Mr. Williams:

This letter is written pursuant to the compliance review performed by U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) of various levee certification documents received for the Wood River Flood Protection Project, Lower Wood River Levee System in the Madison County, Illinois. These documents were prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) and include submissions dated October 17, 2017, July 13, 2018, and December 15, 2020.

Documents submitted to FEMA included data and certifications to support accreditation of the Wood River Flood Protection Project, Lower Wood River Levee System.

FEMA performed a compliance review of all data and certifications submitted and a final Certification Submission Comments sheet is enclosed. Based on FEMA's compliance review, all applicable requirements to reflect full accreditation have been met for the Wood River Flood Protection Project, Lower Wood River Levee System. In response, FEMA plans to recognize the Wood River Flood Protection Project, Lower Wood River Levee System as accredited on the future *Preliminary* FIRM. The flood hazard areas landward of this system will be mapped as shaded Zone X and Special Flood Hazard Area for interior drainage areas. An updated levee system accreditation note will be placed in that area of the FIRM panel. FEMA accreditation of a levee system does not guarantee that the levee will provide flood hazard reduction to properties from flooding; therefore, FEMA has included a note on related FIRM panels that overtopping, or failure of an accredited levee system is possible.

FEMA retains the right to revise these designations upon indication of changing condition of the flood hazard or the infrastructure itself. Future map updates will require the levee system to be evaluated at such time; design, construction, operation, and/or maintenance documents may be requested at any time; and deviations from this documentation could result in the levee system no longer being mapped as accredited on a future FIRM.

It is important to note that levee systems are only designed to provide a specific level of flood risk reduction. They can be overtopped or fail in larger flood events. When levee systems do fail, the consequence of failure can be catastrophic. Also, levee systems require regular maintenance and periodic upgrades to retain their level of flood risk reduction. For these reasons, FEMA

Wood River Flood Protection Project  
Lower Wood River Levee System  
March 25, 2021

encourages communities that rely on levee infrastructure to be especially proactive in making property owners aware of residual risk and steps available for mitigation.

The NFIP was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and providing flood insurance to lessen the financial impact of flood damage. Through the NFIP, property owners in participating communities are able to insure against flood losses.

The FEMA lead for this Madison County map update is John Wethington. Mr. Wethington may be contacted by phone at (312) 485-5485, or by email at john.wethington@fema.dhs.gov. Please do not hesitate to contact the Region V office if you have any questions.

Sincerely,



Mary Beth Caruso  
Director, Mitigation Division  
FEMA Region V

Enclosure

All "cc" communications delivered by electronic correspondence.

cc: Ms. Cheryl Maguire, Mayor, City of Wood River  
Mr. Joe Silkwood, Mayor, Village of East Alton  
Mr. James Hickerson, Mayor, Village of Hartford  
Mr. Marty Reynolds, President, Village of Roxana  
Ms. Barbara Overton, Mayor, Village of South Roxana  
Mr. Steve Brendel, Stormwater Coordinator, Madison County  
Mr. Charles Etwert, Chief Supervisor, Southwestern Illinois Flood Prevention District Council  
Mr. Randy Cook Jr., Senior Civil Engineer, Wood Environment & Infrastructure Solutions, Inc.  
Mr. David Busse, Levee Safety Officer, Chief, Eng. and Construction Division, USACE, St. Louis District  
Ms. Rachel Lopez, Levee Safety Program Manager, USACE, St. Louis District  
Mr. Jeremy Eck, Acting Levee Safety Program Manager, USACE, St. Louis District  
Mr. Hal Graef, Project Manager, USACE, St. Louis District  
Ms. Marilyn Sucoe, Acting NFIP State Coordinator, Illinois Department of Natural Resources  
Mr. Dan Shulman, External Affairs, FEMA Region V



**FEMA**

March 29, 2021

David Busse  
Levee Safety Officer, Chief, Engineering and Construction Division  
U.S. Army Corps of Engineers, St. Louis District  
1222 Spruce Street  
St. Louis, MO 63103

RE: Wood River Flood Protection Project  
Upper Wood River Levee System  
Madison County, Illinois

Dear Mr. Busse:

This letter is written pursuant to the compliance review performed by U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) of the National Flood Insurance Program (NFIP) Levee System Evaluation Report (LSER) for the Wood River Flood Protection Project, Upper Levee System in the Madison County, Illinois. These documents were submitted by the St. Louis District of U.S. Army Corps of Engineers (USACE) and include submissions dated March 10, 2017 June 18, 2018, November 18, 2018, and February 9, 2021.

Documents submitted to FEMA included data and documentation to support accreditation of the Wood River Flood Protection Project, Upper Levee System.

FEMA performed a compliance review of all data and certifications submitted. Based on FEMA's compliance review, all applicable requirements to reflect full accreditation have been met for the Wood River Flood Protection Project, Upper Levee System. In response, FEMA plans to recognize the Wood River Flood Protection Project, Upper Levee System as accredited on the future *Preliminary* FIRM. The flood hazard areas landward of this system will be mapped as shaded Zone X and Special Flood Hazard Area for interior drainage areas. An updated levee system accreditation note will be placed in that area of the FIRM panel. FEMA accreditation of a levee system does not guarantee that the levee will provide flood hazard reduction to properties from flooding; therefore, FEMA has included a note on related FIRM panels that overtopping, or failure of an accredited levee system is possible.

FEMA recognizes the dedication of USACE and other levee stakeholders to address, understand, and effectively communicate the risks associated with living and working landward of the Wood River Flood Protection Project and looks forward to our continued partnership. Please be advised that if the risk associated with this levee system changes or is updated, FEMA should be notified and may update the hazard associated with this levee system.

Wood River Flood Protection Project  
Upper Levee System  
March 29, 2021

The FEMA lead for this Madison County map update is John Wethington. Mr. Wethington may be contacted by phone at (312) 408-5485, or by email at john.wethington@fema.dhs.gov. Please do not hesitate to contact the Region V office if you have any questions.

Sincerely,



Mary Beth Caruso  
Director, Mitigation Division  
FEMA Region V

All "cc" communications delivered by electronic correspondence.

cc: Mr. Kevin Williams, Wood River Drainage & Levee District  
Mr. Joe Silkwood, Mayor, Village of East Alton  
Mr. Brant Walker, Mayor, City of Alton  
Mr. Gary Cranmer, Director of Building and Zoning, Village of East Alton  
Mr. Vince Warlick, Director of Building and Zoning, City of Alton  
Mr. Steve Brendel, Stormwater Coordinator, Madison County  
Mr. Charles Etwert, Chief Supervisor, Southwestern Illinois Flood Prevention District Council  
Mr. David Busse, Levee Safety Officer, Chief, Eng. and Construction Division, USACE, St. Louis District  
Ms. Rachel Lopez, Levee Safety Program Manager, USACE, St. Louis District  
Mr. Jeremy Eck, Acting Levee Safety Program Manager, USACE, St. Louis District  
Mr. Hal Graef, Project Manager, USACE, St. Louis District  
Ms. Tracey Kelsey, Project Manager, USACE, St. Louis District  
Ms. Marilyn Sucoe, Acting NFIP State Coordinator, Illinois Department of Natural Resources  
Mr. Dan Shulman, External Affairs, FEMA Region V



**FEMA**

April 26, 2022

Rick Fancher  
Executive Director, Metro East Sanitary District  
1800 Edison Avenue P.O. Box 1366  
Granite City, IL 62040

Dear Mr. Fancher:

This letter is written pursuant to the compliance review performed by the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) of various levee compliance documents received for the East St. Louis and Vicinity Flood Protection Project Levee System in Madison and St. Clair Counties, Illinois. The East St. Louis and Vicinity Flood Protection Project Levee System (National Levee Database System ID: 5605300001) is comprised of two segments: the Chain of Rocks East Levee segment operated and maintained by the U.S. Army Corps of Engineers (USACE), St. Louis District and the Metro East Sanitary District (MESD) segment operated and maintained by the MESD.

In April 2019, FEMA Region 5 sent a letter to the USACE, St. Louis District addressing the receipt of the Quantitative Risk Assessment and as-built plans for the East St. Louis and Vicinity Flood Protection Project Levee System submitted by the USACE, St. Louis District under 44 CFR Subsection 65.10(e). USACE recommended accreditation of the East St. Louis and Vicinity Flood Protection Project Levee System and this recommendation was accepted by FEMA.

The FEMA letter also noted that additional coordination with levee stakeholders was needed to obtain documentation to clarify 44 CFR Section 65.10(b)(6) Interior drainage and address 44 CFR Section 65.10(c) Operation plans and criteria, and 44 CFR Section 65.10(d) Maintenance plans and criteria for the East St. Louis and Vicinity Flood Protection Project Levee System.

Through additional coordination among FEMA, USACE and MESD, clarification of the interior drainage submittal was obtained during a call on December 7, 2021. MESD also submitted information to address maintenance, operation, emergency preparedness plan adoption, and certification requirements for the MESD levee segment under 44 CFR 65.10 (c) and (d) on January 14, 2022 and March 16, 2022.

FEMA performed a compliance review of all data submitted. Based on FEMA's compliance review, all applicable requirements to reflect accreditation have been met for the East St. Louis and Vicinity Flood Protection Project Levee System.

In response, FEMA plans to recognize the East St. Louis and Vicinity Flood Protection Project Levee System as accredited on the future *Preliminary* Flood Insurance Rate Map (FIRM) for Madison and St. Clair Counties, Illinois. Flood hazard areas landward of this system will be

mapped as areas of moderate flood hazard, or Zone X (shaded). Interior drainage areas will be mapped as Special Flood Hazard Area (Zone A, AO, AE, AH). An updated levee system accreditation note will be placed to designate areas of reduced flood risk due to levee on the FIRM panel(s). FEMA accreditation of a levee system does not guarantee that the levee will provide flood hazard reduction to properties from flooding; therefore, FEMA has included a note on related FIRM panels that overtopping or failure of an accredited levee system is possible.

FEMA retains the right to revise these designations upon indication of changing condition of the flood hazard or the levee infrastructure. Future map updates will require the levee system to be evaluated at such time; design, construction, operation, and/or maintenance documents may be requested at any time; and deviations from this documentation could result in the levee system no longer being mapped as accredited on a future FIRM.

It is important to note that levee systems are only designed to provide a specific level of flood risk reduction. They can be overtopped or fail in larger flood events. When levee systems do fail, the consequence of failure can be catastrophic. Also, levee systems require regular maintenance and periodic upgrades to retain their level of flood risk reduction. For these reasons, FEMA encourages communities that rely on levee infrastructure to be especially proactive in making property owners aware of residual flood risk and steps available for mitigation.

The NFIP was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and providing flood insurance to lessen the financial impact of flood damage. Through the NFIP, property owners in participating communities are able to insure against flood losses.

FEMA recognizes the dedication of MESD, USACE and other levee stakeholders to identify, communicate, and address the risks associated with living and working landward of the East St. Louis and Vicinity Flood Protection Project Levee System, and we look forward to our continued partnership. FEMA will engage with communities on next steps as *Preliminary* FIRMs are issued later this summer, and we will provide resources to better understand the relationship between levees and flood risk. The FEMA lead for the Madison and St. Clair County map updates is John Wethington. Mr. Wethington may be contacted by phone at (312) 485-5485, or by email at [john.wethington@fema.dhs.gov](mailto:john.wethington@fema.dhs.gov). Please do not hesitate to contact the Region 5 office if you have any questions.

Sincerely,



Mary Beth Caruso  
Director, Mitigation Division  
FEMA Region 5

All “cc” communications delivered by electronic correspondence.

cc:

Mr. Curtis McCall Sr, Mayor, City of Cahokia Heights  
Mr. Mitch Bair, City Manager, City of Collinsville  
Mr. Robert Eastern III, Mayor, City of East St. Louis  
Mr. Kevin Head, City Administrator, City of Edwardsville  
Mr. Mike Parkinson, Mayor, City of Granite City  
Mr. John W. Hamm III, Mayor, City of Madison  
Mr. Tyrone Echols, Mayor, City of Venice  
Ms. Vera Glasper Banks, Mayor, Village of Brooklyn  
Mr. G.W. Scott Sr, Mayor, Village of Caseyville  
Mr. Mike Suarez, Village of Fairmont City  
Mr. Jamie Bowden, Village Administrator, Village of Glen Carbon  
Mr. Bill Robertson, Mayor, Village of Harford  
Mr. Mike Pagano, Mayor, Village of Pontoon Beach  
Mr. Richard Sauget Jr, Mayor, Village of Sauget  
Ms. Barbara Overton, Mayor, Village of South Roxana  
Mr. Leonard Moore, Village of Washington Park  
Ms. Anne Markezich, St. Clair County, NFIP Coordinator  
Mr. Steve Brendel, Madison County, NFIP Coordinator  
Mr. Charles Etwert, Chief Supervisor, Southwestern Illinois Flood Prevention District Council  
Mr. Randy Cook Jr., Senior Civil Engineer, Wood Environment & Infrastructure Solutions, Inc.  
Mr. David Busse, Levee Safety Officer, Chief, Eng. and Construction Division, USACE, St. Louis District  
Ms. Tracey Kelsey, Project Manager, USACE, St. Louis District  
Ms. Amanda Goltz, Levee Safety Program Manager, USACE, St. Louis District  
Ms. Marilyn Sucoe, Acting NFIP State Coordinator, Illinois Department of Natural Resources  
Ms. Suzanne Vermeer, FEMA Headquarters  
Mr. Dan Shulman, External Affairs, FEMA Region 5





**Appendix III**

**Southwestern Illinois Flood Prevention District Council**

**Resolution Expressing the Official Intent To  
Restore the Federally Authorized Level of Mississippi  
Flood River Protection in the Metro-East**



## **Southwestern Illinois Flood Prevention District Council**

### **RESOLUTION Expressing the Official Intent To Restore the Federally Authorized Level of Mississippi Flood River Protection in the Metro-East**

WHEREAS, the Southwestern Illinois Flood Prevention District Council has made great progress towards meeting its goal of fully protecting the Metro-East from a 100-year flood by the end of 2015; and,

WHEREAS, the threat from the Federal Emergency Management Agency to classify the area as prone to flooding will be averted, along with the terrible economic consequences of the action; and

WHEREAS, the Council has demonstrated that the most expeditious and cost-effective approach to improve flood protection over the last several years is to use local funds to undertake critical flood protection projects; and

WHEREAS, the Council cannot continue to delay needed improvements to flood protection because of the lengthy, unpredictable, and costly design and construction process conducted by the U.S. Army Corps of Engineers; and

WHEREAS, the Corps of Engineers is unwilling to comply with local workforce policies; and

WHEREAS, dramatic progress can be made when the pace and cost of construction is determined locally; and

WHEREAS, the design and construction of projects by the FPD can move ahead rapidly and at a far lower cost than by delegating this work to the Corps of Engineers; and

WHEREAS, the FPD has available funds and availability of future federal funding is unknown; and

WHEREAS, the design and construction of projects built by the FPD using local funds may be considered for future Work In-Kind Credit by the Corps of Engineers as allowed by the use of Memoranda of Understanding, the inclusion in Integral Determination Reports, and the amendment of Project Partnership Agreements; and

WHEREAS, economic growth can be expected if the authorized level of protection is being pursued; and

WHEREAS, now is the time to initiate the restoration of the federally authorized level of flood protection in the Metro-East providing the region with a higher level of flood protection, while simultaneously completing the 100-year level projects; and

WHEREAS, the long-term goal of the FPD is to fully restore the federally authorized level of flood protection (Mississippi River elevation of 54 feet on the St. Louis gauge -- also known as the 500-Year flood).

NOW, THEREFORE, It Is Hereby Resolved by the Board of Directors of the Southwestern Illinois Flood Prevention District Council that it is the intent to restore the federally authorized 500-year level of Mississippi River flood protection through the following actions:

1. *Design.* Immediately begin the design of the most critical and cost-effective projects to restore the federally authorized level of flood protection; and

2. *Funding Strategy.* Take immediate steps to implement a funding strategy with the FPD being totally responsible for the design and the construction of flood protection (authorized level) projects. This includes using current surplus funds and judicious borrowing to maximize the available funding for capital expenditures on flood protection through the year 2020 (\$94,500,000 is currently estimated to be available), building the most cost effective and highest priority projects throughout the Counties of Madison, Monroe, and St. Clair, Illinois; and


3. *Workforce Policies.* Comply with all current FPD workforce policies to ensure fair wages and working conditions for project workers, encourage the use of local workers, and avoid any work stoppages that could delay projection completion; and

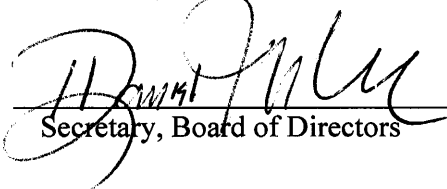
4. *Levee Districts Participation.* Seek the financial participation of each Levee District to generate additional funds to supplement FPD funding and enable additional construction; and

5. *Corps of Engineers Participation.* Notify the Corps of Engineers of the FPD's strategy and request that the Corps expedite projects that are 100% federally funded, such as the emergency design deficiency correction at the Melvin Price Locks and Dam, a project-that was identified as an emergency need six years ago, but still lacks a federally sanctioned permanent design solution and any funding for construction..

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

This resolution was approved February 18, 2015.

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

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

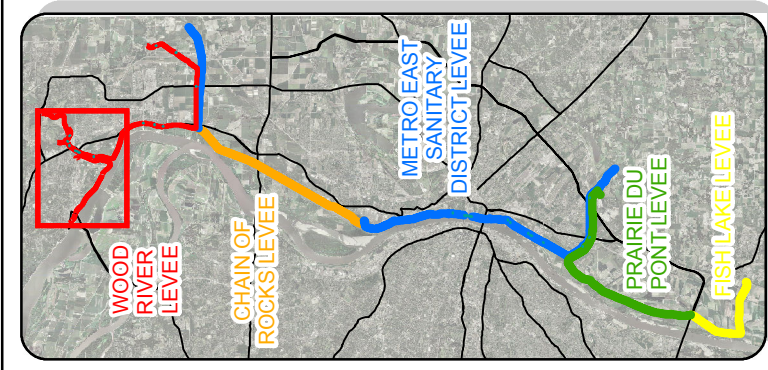
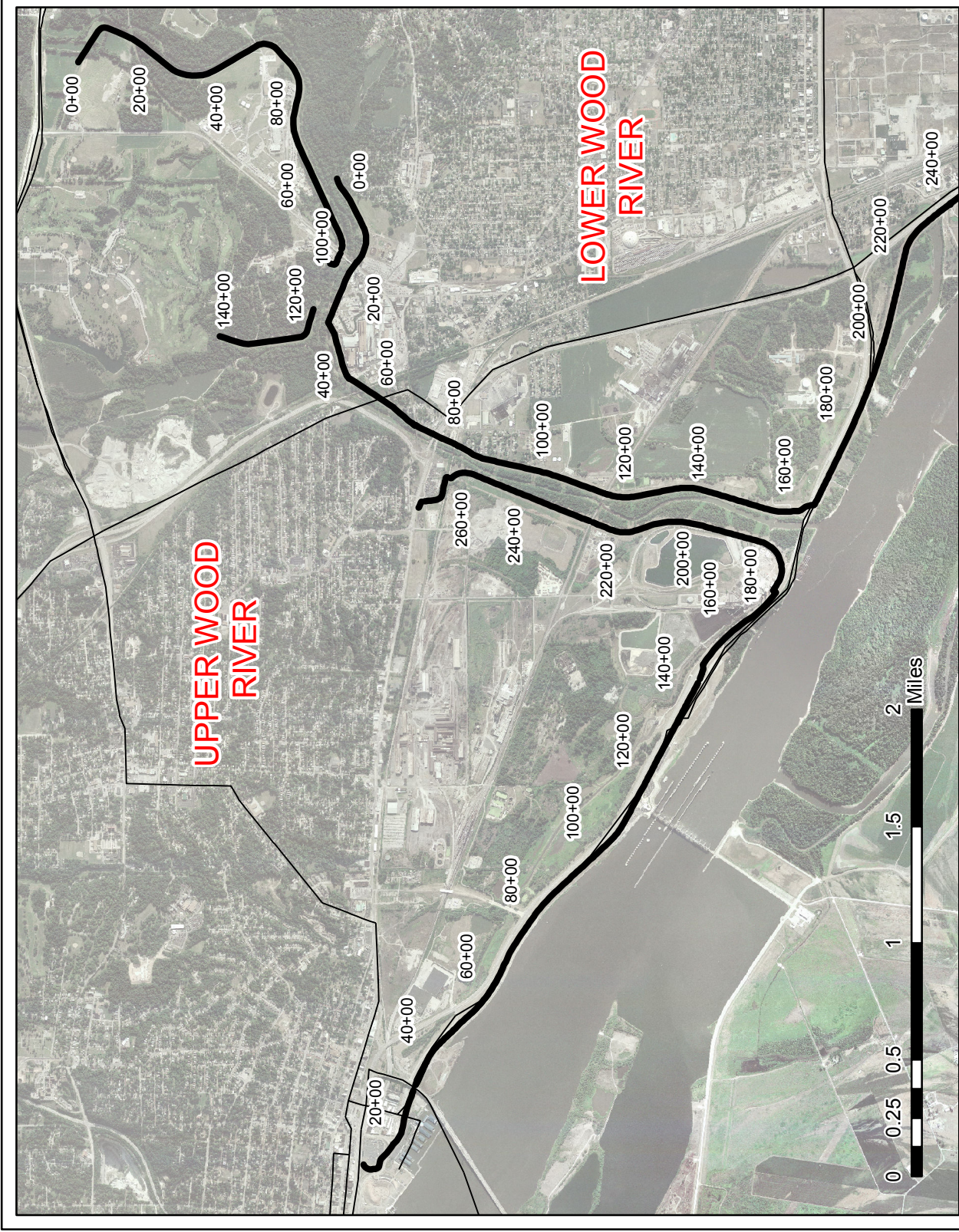
**Appendix IV**

**Proposed 500-Year Authorized Level Levee System Improvements**

**Wood River Levee System**

**Metro East Sanitary District (MESD) Levee System**

**Prairie DuPont/Fish Lake Levee System**



**Legend**

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- RELIEF WELLS AND PUMP STATIONS
- SEEPAGE BERM
- SEEPAGE BERM AND FILL
- LEVEE CENTERLINE

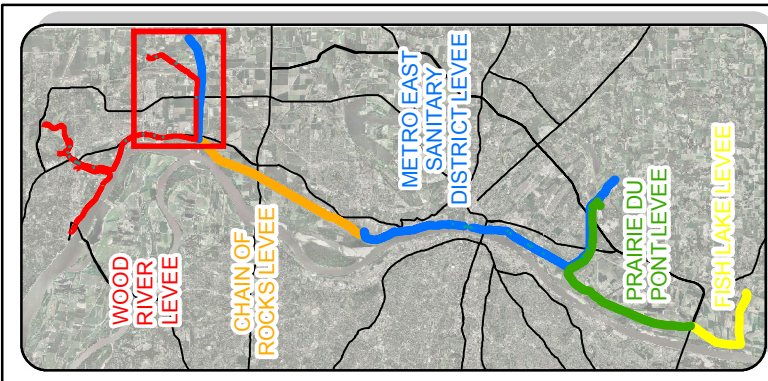
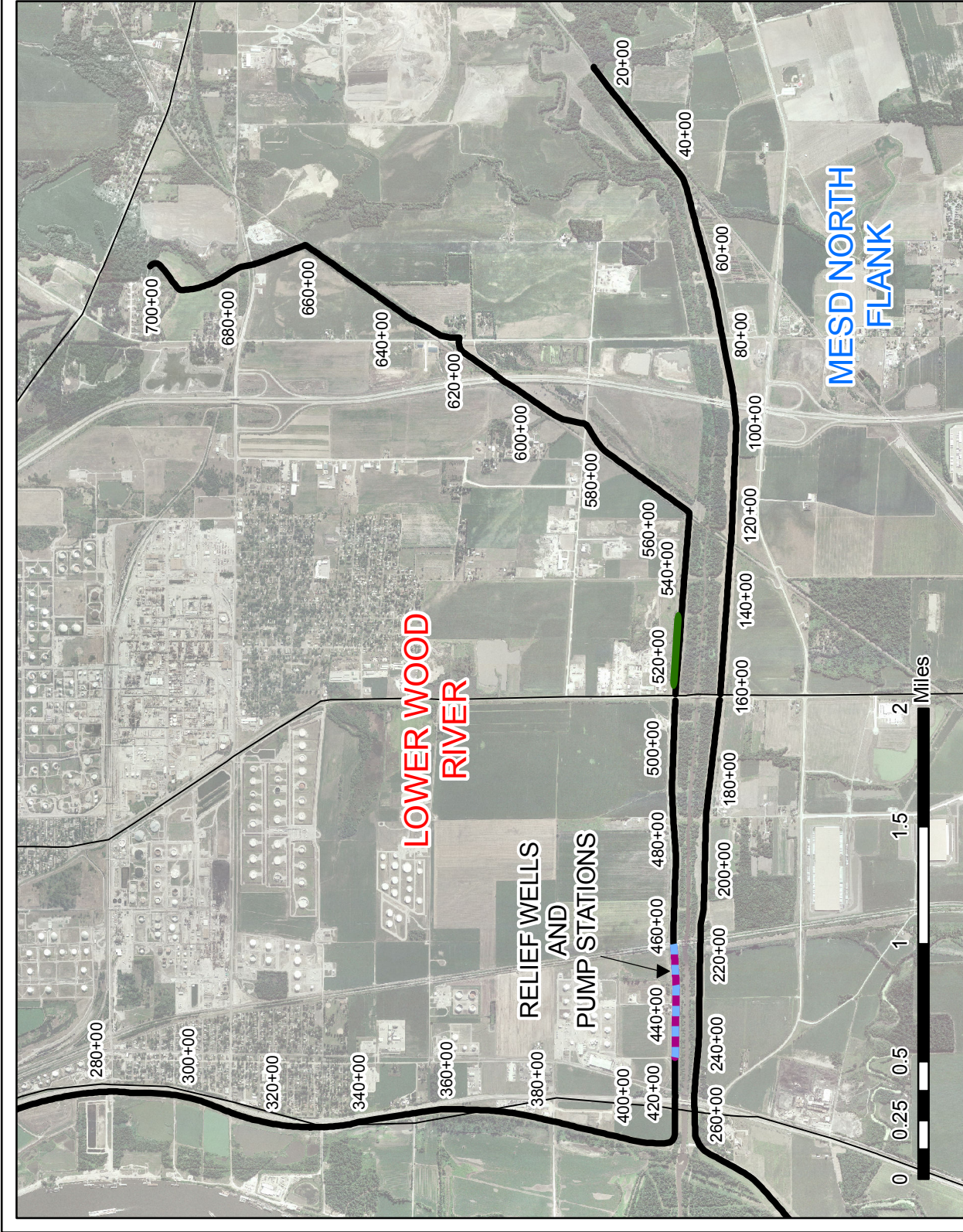


02 AUG 2022

# AUTHORIZED LEVEL DESIGN

## WOOD RIVER LEVEE





02 AUG 2022

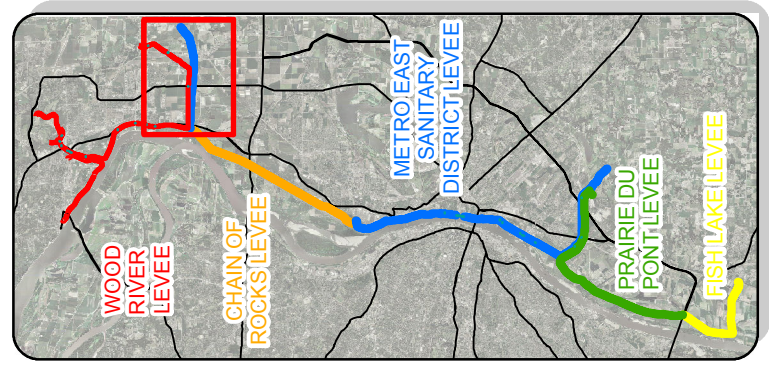
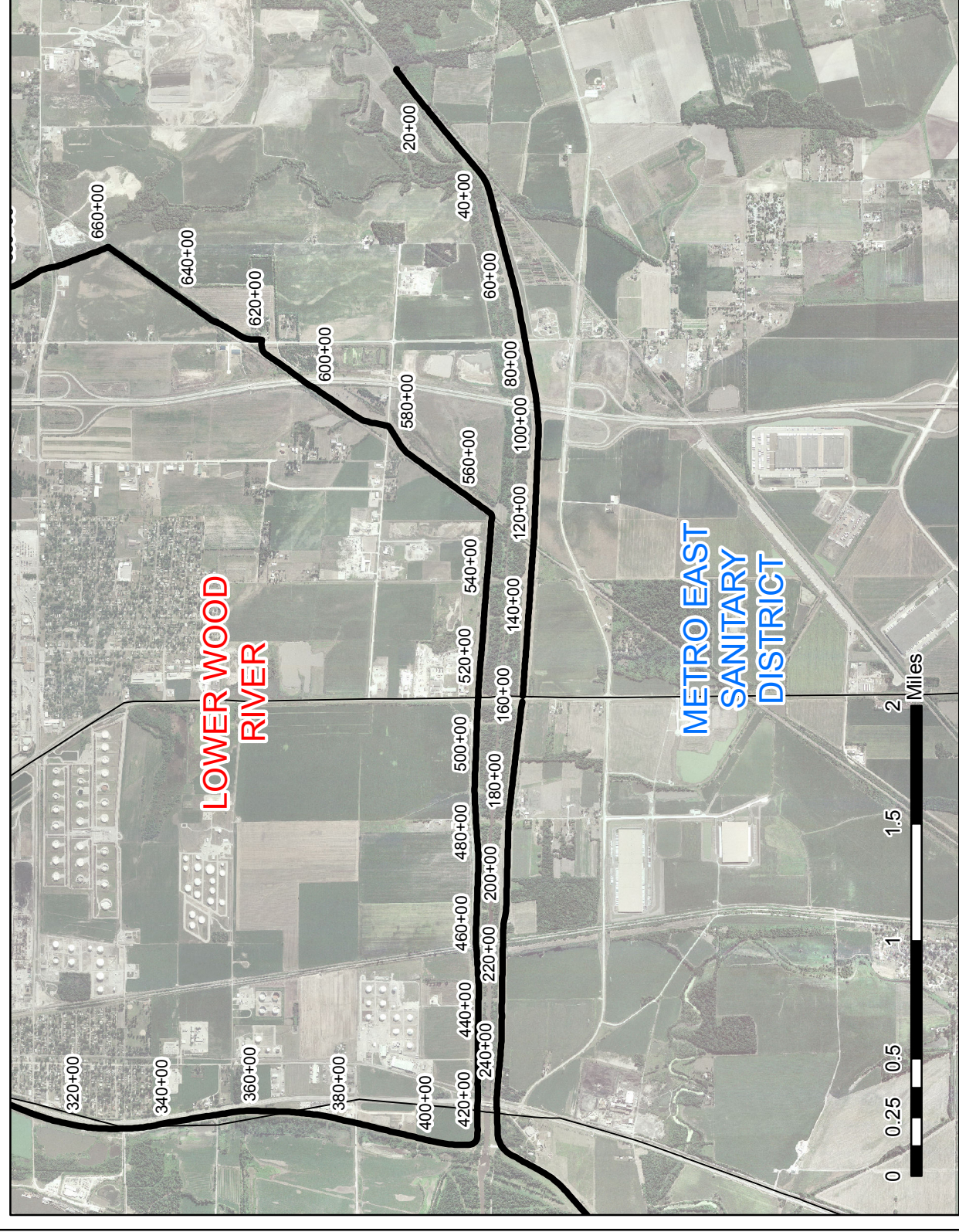
**AUTHORIZED LEVEL DESIGN**  
**WOOD RIVER LEVEE**



# AUTHORIZED LEVEL DESIGN

## METRO EAST SANITARY DISTRICT LEVEE

02 AUG 2022



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# AUTHORIZED LEVEL DESIGN

## METRO EAST SANITARY DISTRICT LEVEE

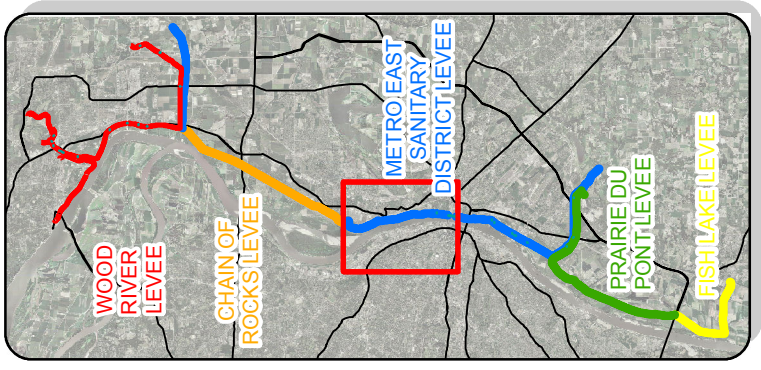
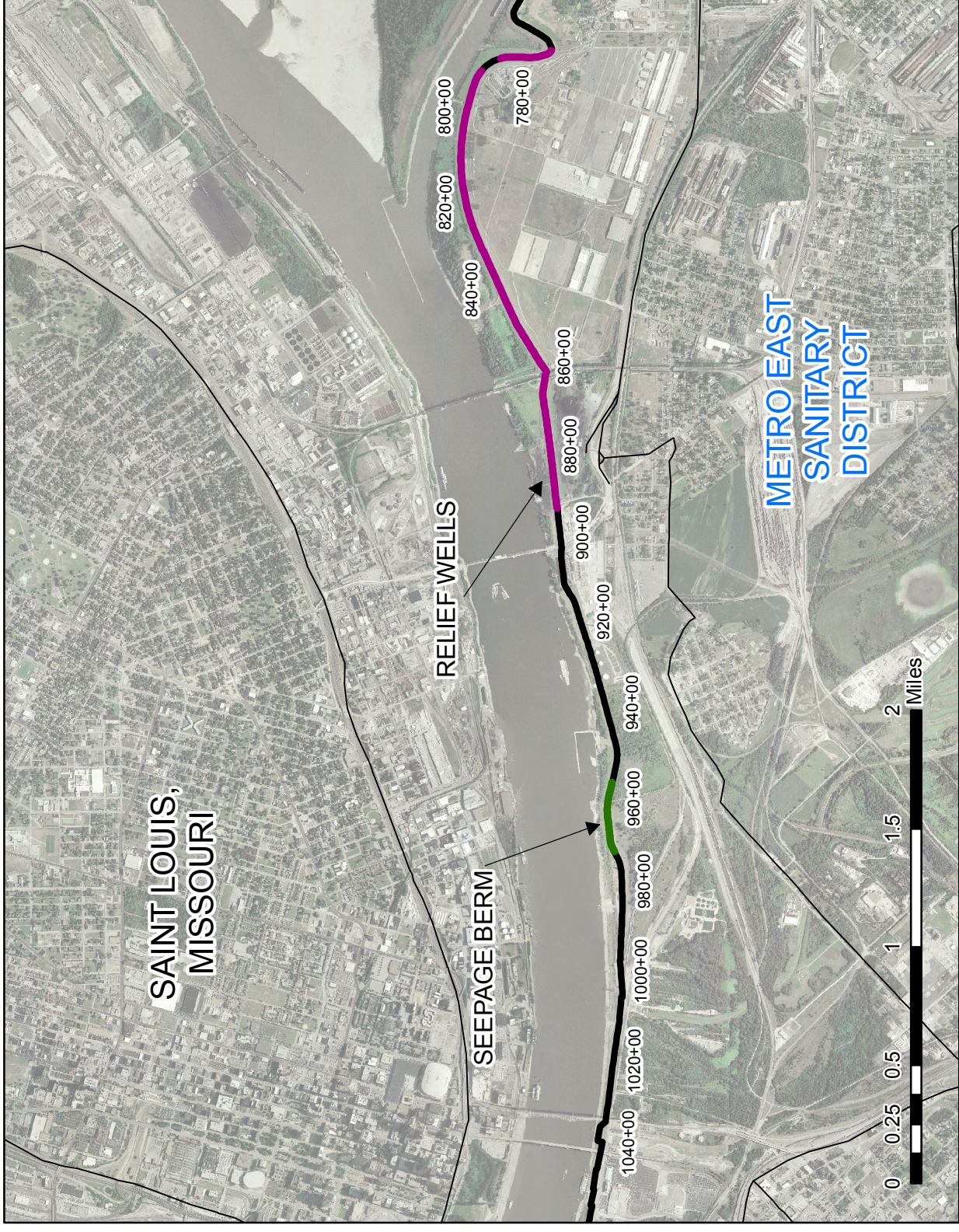
02 AUG 2022



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# AUTHORIZED LEVEL DESIGN

## METRO EAST SANITARY DISTRICT LEVEE

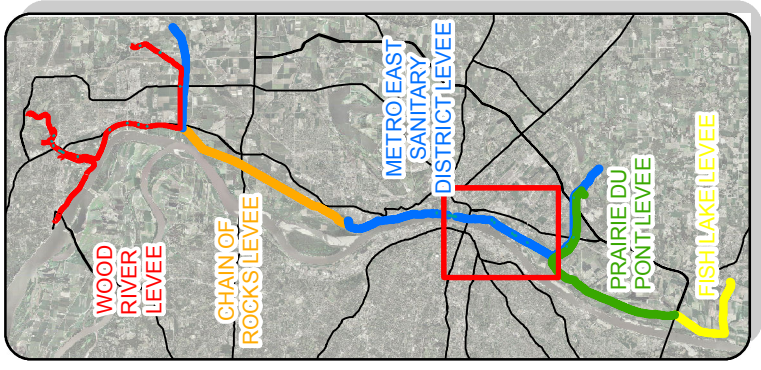
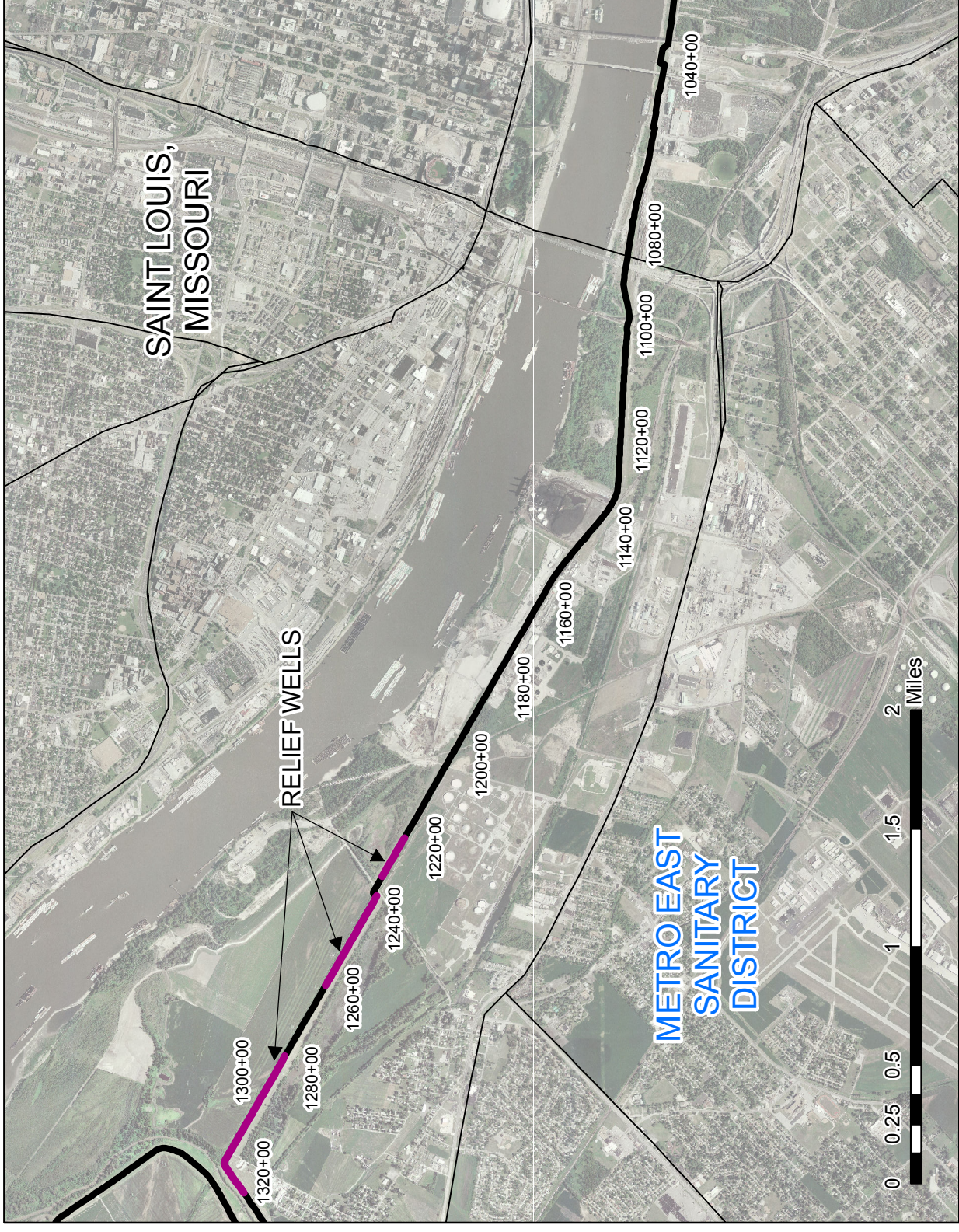
02 AUG 2022



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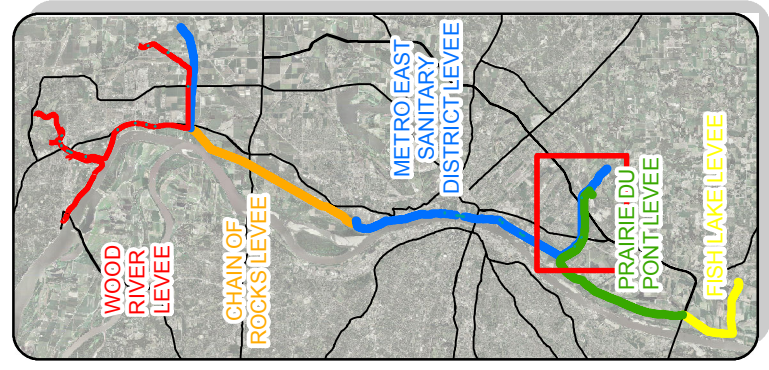
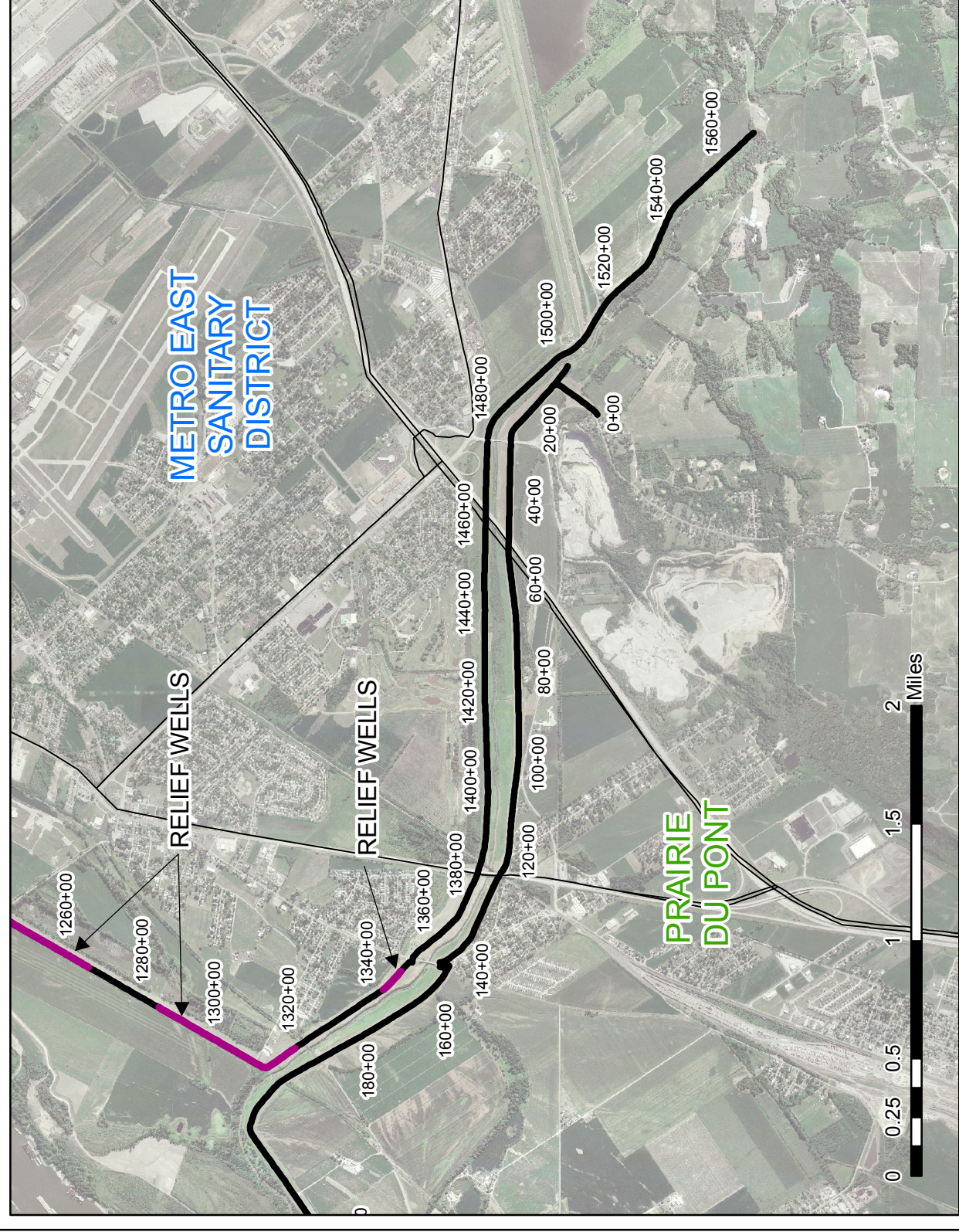
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# AUTHORIZED LEVEL DESIGN

## METRO EAST SANITARY DISTRICT LEVEE

02 AUG 2022



**Legend**

Layer	Description
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<span style="color: black;">—</span>	LEVEE CENTERLINE



# AUTHORIZED LEVEL DESIGN PRAIRIE DU PONT/FISH LAKE LEVEE

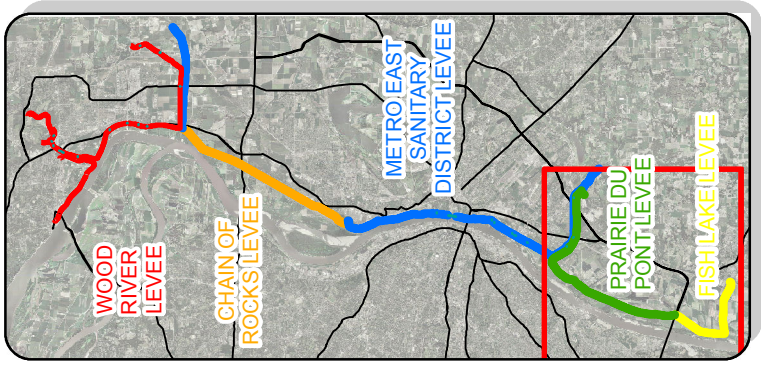
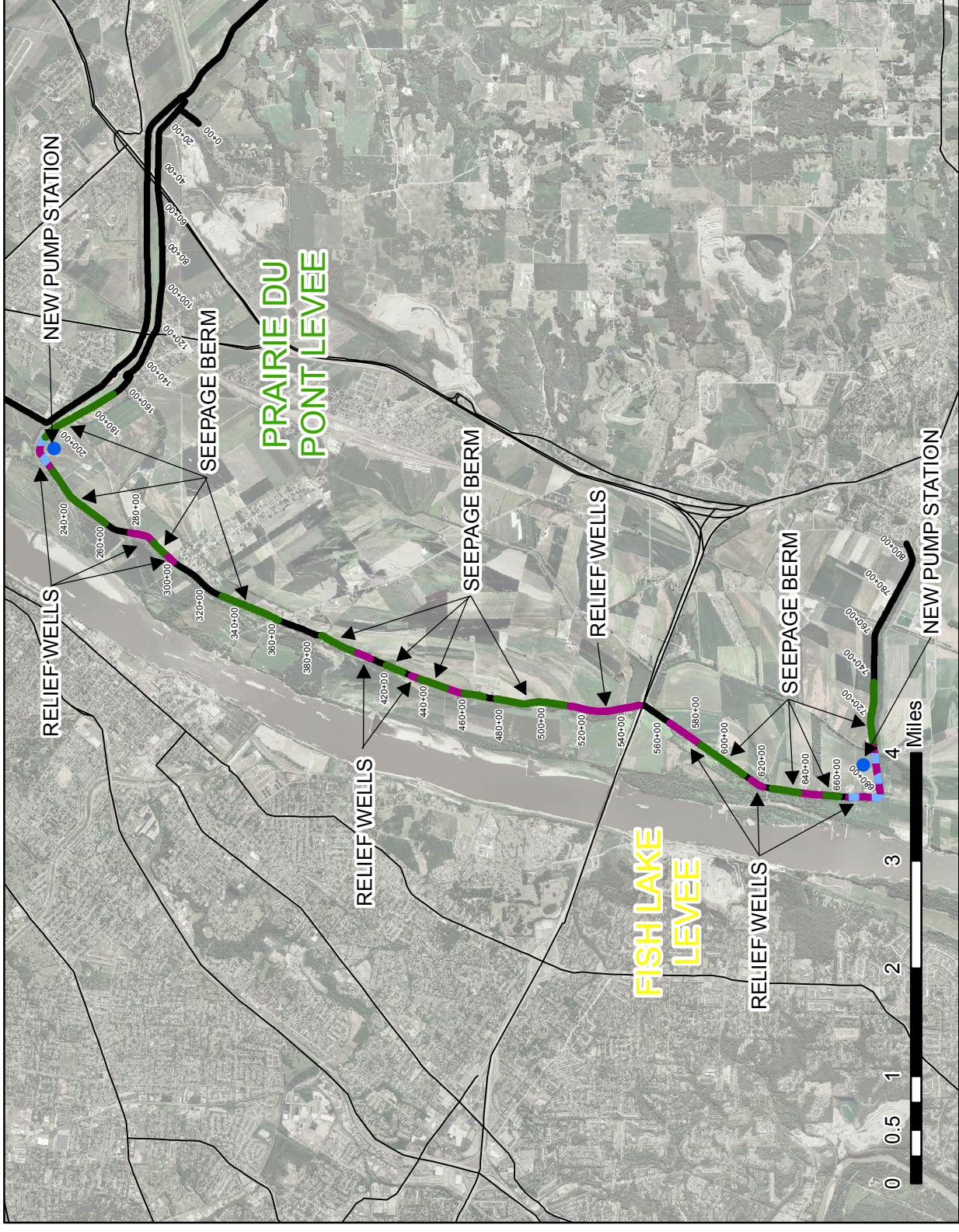
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- █ SEEPAGE BERM
- █ SEEPAGE BERM AND FILL
- LEVEE CENTERLINE





Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Selection of Contractor for Construction Package #11– Underseepage Controls from 774+00 to 889+00  
Date: August 15, 2022

The Southwestern Illinois Flood Prevention District Council (FPD Council) issued an advertisement for construction bids for Bid Package #11 on June 23, 2022 and bid documents were made available to bidders on July 6, 2022. Bid Package #11 is generally for construction of Metro East Sanitary District underseepage improvement to include relief wells, conveyance systems, sluice gates, modifications to the existing Madison County Pump Station, modifications to the GCED 1X Pump Station, new GCED 1X Force mains, new GCED 1X Outfall Structure, and porous concrete ditch repairs.

An advertisement for bid was published in the Belleville News Democrat the weeks of June 26 and July 3, 2022, July 10, 2022. An advertisement for bid was published in the Alton Telegraph and Edwardsville Intelligencer the weeks of June 24 and July 1, 2022, July 8, 2022. An advertisement for bid was published in the Republic Times the weeks of June 29 and July 6, 2022, July 13, 2022. An advertisement for bid was published in the East St. Louis Monitor the weeks of July 14 and July 21, 2022, July 28, 2022.

A pre-bid meeting was held on July 8, 2022 at the FPD council offices. The meeting and subsequent site visit was attended by 13 individuals, including staff.

On August 9, 2022, bids were received from three firms and read aloud. Results are as follows:

Keller Construction in the amount of:	\$11,665,066.40
Kamadulski Excavating and Grading in the amount of:	\$11,861,656.00
Tarlton Construction in the amount of:	\$17,204,392.00

The engineer's estimate was \$10,500,000 plus a 15% contingency totaling approximately \$12,000,000.

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

Wood reviewed the following:

- Confirmed the prequalification status as stated on the bid form
- Confirmed the addendums were acknowledged
- Verified the math on the schedule of values
- Confirmed the bid form was signed and attested
- Reviewed the schedules provided
- Reviewed the bid bond
- Contacted and reviewed references
- Reviewed and discussed utilization of M/D/WBE subcontractors.

Wood 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.

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

Based on our review, Wood concludes that Keller Construction is qualified to perform the work and has recommended that the FPD Council select this company to perform construction of Bid Package #11. Keller Construction was awarded and successfully completed four of the FPD Council's previous bid packages (Bid Packages 03, 05, 14A, and 18).

The next closest bidder was \$196,589.60 higher and, while individual line items vary between all the bidders, a comparison between the apparent low bidder and the next lowest bidder on the larger features of work such as relief well installation, modification, and abandonment; modifications to two pump stations; construction of new force mains; and construction of a new outfall structure indicated that multiple contractors planned to execute the project in a similar manner as evidenced by a bid difference of less than 2%.

Keller Construction has proposed to use Ray LaFore Truck Service, Inc. out of Belleville, for trucking, and Right Way Traffic Control, Inc. out of Freeburg, for fencing. Both contractors have MBE certification with both IDOT and IL-UCP. Keller Construction faxed or e-mailed 68 DBE-certified companies about providing bids on this project and had phone calls and follow-up e-mails with interested companies.

<b>Table 1 – Proposed MBE Utilization</b>				
<b>Bidder</b>	<b>Total Bid</b>	<b>MBE Utilization</b>	<b>Percentage</b>	<b>Trade</b>
Keller Construction	\$11,665,066.40	\$288,875.00	2.48 %	Trucking & Fencing
Kamadulski Excavating and Grading	\$11,861,656.00	\$15,000.00	0.13 %	Trucking
Tarlton Construction	\$17,204,392.00	\$11,808,613.00	68.64 %	Misc. Metals, Pipe Supply, Hauling, Trenchless Excavation, and Self-Performed Work

Recommendation:

Authorize the Chief Supervisor to execute an \$11,665,066.40 contract with Keller Construction to perform construction of Bid Package #11 with a total cost not to exceed \$12,831.573 (\$11,665,066.40 plus a 10% contingency).

**CONTRACTOR BID COMPARISONS**

ITEM NO.	DESCRIPTION	ESTIMATED QTY	UNIT	Kamadulski Excavating & Grading Co., Inc	Tarlton Construction	Keller Construction	HIGH	LOW	AVERAGE
11.01	Mobilization	1	LS	\$ 500,000.00	\$ 860,220.00	\$ 580,000.00	\$ 860,220.00	\$ 500,000.00	\$ 646,740.00
11.02	Bonds and Insurance	1	LS	\$ 70,000.00	\$ 145,000.00	\$ 196,600.00	\$ 196,600.00	\$ 70,000.00	\$ 137,200.00
11.03	Construction Staking	1	LS	\$ 79,000.00	\$ 102,000.00	\$ 79,000.00	\$ 102,000.00	\$ 79,000.00	\$ 86,666.67
11.04	Environmental Protection (Erosion & Sediment Control)	1	LS	\$ 171,000.00	\$ 35,000.00	\$ 16,500.00	\$ 171,000.00	\$ 16,500.00	\$ 74,166.67
11.05	Seeding, Mulching, and Site Protection and Restoration	1	LS	\$ 140,000.00	\$ 65,000.00	\$ 77,764.96	\$ 140,000.00	\$ 65,000.00	\$ 94,254.99
11.06	Temporary Access Roads and Road Maintenance	1	LS	\$ 86,000.00	\$ 1,666,000.00	\$ 328,000.00	\$ 1,666,000.00	\$ 86,000.00	\$ 693,333.33
11.07	Dewatering	1	LS	\$ 550,000.00	\$ 94,000.00	\$ 133,180.84	\$ 550,000.00	\$ 94,000.00	\$ 259,060.28
11.08	Care of Water and Bypass Pumping	1	LS	\$ 130,500.00	\$ 875,000.00	\$ 95,970.57	\$ 875,000.00	\$ 95,970.57	\$ 367,156.86
11.09	G.C.E.D. 1X Pump Station Modifications (Complete)	1	LS	\$ 1,530,180.00	\$ 1,325,579.00	\$ 1,800,000.00	\$ 1,800,000.00	\$ 1,325,579.00	\$ 1,551,919.67
11.10	G.C.E.D. 1X Foremain Pipe	1	LS	\$ 373,675.00	\$ 475,000.00	\$ 497,208.31	\$ 497,208.31	\$ 373,675.00	\$ 448,627.77
11.11	G.C.E.D. 1X Outfall Structure	1	LS	\$ 156,000.00	\$ 135,000.00	\$ 320,000.00	\$ 320,000.00	\$ 135,000.00	\$ 203,666.67
11.12	Madison Pump Station Modifications (Complete)	1	LS	\$ 19,300.00	\$ 58,000.00	\$ 75,000.00	\$ 75,000.00	\$ 19,300.00	\$ 50,766.67
11.13	Demolition of Existing Concrete Structures	1	LS	\$ 37,200.00	\$ 84,000.00	\$ 61,000.00	\$ 84,000.00	\$ 37,200.00	\$ 60,733.33
11.14	MH-76XD (60" Square MH with Sluice Gate)	1	LS	\$ 35,000.00	\$ 42,000.00	\$ 27,756.29	\$ 42,000.00	\$ 27,756.29	\$ 34,918.76
11.15	Structure Abandonment	1	LS	\$ 44,000.00	\$ 94,000.00	\$ 40,900.00	\$ 94,000.00	\$ 40,900.00	\$ 59,633.33
11.16	Relief Well - Type "D"	387	VF	\$ 446,598.00	\$ 459,756.00	\$ 398,223.00	\$ 459,756.00	\$ 398,223.00	\$ 434,859.00
11.17	Relief Well - Type "I"	3,177	VF	\$ 3,494,700.00	\$ 3,637,665.00	\$ 3,240,540.00	\$ 3,637,665.00	\$ 3,240,540.00	\$ 3,457,635.00
11.18	Relief Well - Drilling Through Obstructions	390	VF	\$ 390.00	\$ 226,980.00	\$ 197,730.00	\$ 226,980.00	\$ 390.00	\$ 141,700.00
11.19	Relief Well - Modifications to Existing Relief Wells	10	EA	\$ 86,000.00	\$ -	\$ 14,000.00	\$ 86,000.00	\$ -	\$ 33,333.33
11.20	Relief Well - Abandon of Existing Relief Wells	3,533	VF	\$ 211,980.00	\$ 158,985.00	\$ 101,008.47	\$ 211,980.00	\$ 101,008.47	\$ 157,324.49
11.21	Relief Well - Pump Testing	75	EA	\$ 149,700.00	\$ 230,625.00	\$ 157,500.00	\$ 230,625.00	\$ 149,700.00	\$ 179,275.00
11.22	12-inch Reinforced Concrete Pipe	226	LF	\$ 48,816.00	\$ 74,580.00	\$ 50,398.00	\$ 74,580.00	\$ 48,816.00	\$ 57,931.33
11.23	18-inch Reinforced Concrete Pipe	129	LF	\$ 30,573.00	\$ 44,505.00	\$ 32,301.60	\$ 44,505.00	\$ 30,573.00	\$ 35,793.20
11.24	21-inch Reinforced Concrete Pipe	81	LF	\$ 24,705.00	\$ 30,942.00	\$ 20,817.00	\$ 30,942.00	\$ 20,817.00	\$ 25,488.00
11.25	24-inch Reinforced Concrete Pipe	708	LF	\$ 206,028.00	\$ 307,980.00	\$ 173,460.00	\$ 307,980.00	\$ 173,460.00	\$ 229,156.00
11.26	27-inch Reinforced Concrete Pipe	240	LF	\$ 74,400.00	\$ 103,680.00	\$ 68,400.00	\$ 103,680.00	\$ 68,400.00	\$ 82,160.00
11.27	30-inch Reinforced Concrete Pipe	1,838	LF	\$ 576,213.00	\$ 1,056,850.00	\$ 542,210.00	\$ 1,056,850.00	\$ 542,210.00	\$ 725,091.00
11.28	36-inch Reinforced Concrete Pipe	2,282	LF	\$ 775,880.00	\$ 1,323,560.00	\$ 710,843.00	\$ 1,323,560.00	\$ 710,843.00	\$ 936,761.00
11.29	42-inch Reinforced Concrete Pipe	24	LF	\$ 12,168.00	\$ 15,120.00	\$ 11,760.00	\$ 15,120.00	\$ 11,760.00	\$ 13,016.00
11.30	48-inch Reinforced Concrete Pipe (Stub into Ex. at Venice PS)	18	LF	\$ 11,790.00	\$ 14,580.00	\$ 10,274.40	\$ 14,580.00	\$ 10,274.40	\$ 12,214.80
11.31	36-in X 36-in X 24-in Tee (Tee-21X)	1	LS	\$ 7,565.00	\$ 5,500.00	\$ 6,735.00	\$ 7,565.00	\$ 5,500.00	\$ 6,600.00
11.32	48-inch Manhole	5	EA	\$ 33,500.00	\$ 32,000.00	\$ 39,875.00	\$ 39,875.00	\$ 32,000.00	\$ 35,125.00
11.33	48-inch Additional Manhole Footage	37	VF	\$ 37.00	\$ 27,380.00	\$ 2,220.00	\$ 27,380.00	\$ 37.00	\$ 9,879.00
11.34	48-inch Relief Well Manhole	5	EA	\$ 32,000.00	\$ 56,000.00	\$ 41,850.00	\$ 56,000.00	\$ 32,000.00	\$ 43,283.33
11.35	48-inch Additional Relief Well Manhole Footage	18	VF	\$ 18.00	\$ 14,760.00	\$ 1,080.00	\$ 14,760.00	\$ 18.00	\$ 5,286.00
11.36	60-inch Manhole	4	EA	\$ 30,000.00	\$ 32,800.00	\$ 30,000.00	\$ 32,800.00	\$ 30,000.00	\$ 30,933.33
11.37	60-inch Additional Manhole Footage	25	VF	\$ 25.00	\$ 28,750.00	\$ 1,500.00	\$ 28,750.00	\$ 25.00	\$ 10,091.67
11.38	60-inch Relief Well Manhole	62	EA	\$ 527,000.00	\$ 627,440.00	\$ 784,300.00	\$ 784,300.00	\$ 527,000.00	\$ 646,246.67
11.39	60-inch Additional Relief Well Manhole Footage	350	VF	\$ 350.00	\$ 407,400.00	\$ 21,000.00	\$ 407,400.00	\$ 350.00	\$ 142,916.67
11.40	Porous Concrete Ditch	900	CY	\$ 432,000.00	\$ 1,647,000.00	\$ 678,150.00	\$ 1,647,000.00	\$ 432,000.00	\$ 919,050.00
11.41	Trenchless Excavation	153	LF	\$ 510,714.00	\$ 335,070.00	\$ 1.53	\$ 510,714.00	\$ 1.53	\$ 281,928.51
11.42	Pipe Abandonment	843	CY	\$ 216,651.00	\$ 248,685.00	\$ 8.43	\$ 248,685.00	\$ 8.43	\$ 155,114.81
<b>BID PACKAGE 11 GRAND TOTAL</b>				<b>\$ 11,861,656.00</b>	<b>\$ 17,204,392.00</b>	<b>\$ 11,665,066.40</b>			





Memo to: Board of Directors

From: Chuck Etwert

Subject: Wood Work Order #20 – Amendment #2  
Construction Phase Services

Date: August 15, 2022

Our agreement with Wood Environment & Infrastructure Solutions, Inc. provides for the firm to serve as the Council’s construction manager for the project.

The role of the construction manager is to act as the Council’s representative in managing all phases of the construction process, including administration of construction contracts, assuring that all work meets the standards shown in contract documents, managing decisions in the field to interpret or clarify plans and specifications, and determining amounts to be paid to contractors.

With the award of the construction contract for Bid Package #11, an amendment of Wood Work #20 is needed. The Council approved Work Order #20 in December 2019 for construction management of Bid Packages #11, #14A and #18, however, since that time there have been numerous scope changes to the work order for all three bid packages.

Scope changes included additional relief well and collection pipe improvements (3,000 feet) for BP #11, additional construction time due to field conditions and material shortage for BP #18 and the encountering an unknown and unmarked utility during construction of for BP #14.

A detailed scope of work and cost estimate for construction management services is shown as an attachment to this memo. Amendment #2 is \$33,000 for BP #14, \$326,000 for BP #18 and \$381,000 for BP #11 for a total of \$740,000. The cost of construction management for Bid Packages #11, #14A, and #18 with Amendment #2 is \$3,240,000.

Construction management costs are eligible for Work In-Kind Credit as part of the non-federal partners 35% share of project costs. To date, the Corp of Engineers has approved \$11,887,414.07 of Work In-Kind Credit for the East St. Louis, Illinois Flood Protection Project

Recommendation: Authorize the Chief Supervisor to execute Work Order #20 Amendment #2 with Wood Environment & Infrastructure Solutions, Inc. for construction management services for Bid Packages #11, #14A, and #18 as shown in the attachment in the amount of \$740,000.00.



**WORK ORDER NO: MSA01-WO20 – Amendment #2**

**CONSTRUCTION PHASE SERVICES**

Issued Pursuant to Master Services Agreement Effective November 1, 2011  
and Change of Name Notification dated April 16, 2018

By and Between

**Wood Environment and Infrastructure Solutions, Inc. (Wood)**

and

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

CLIENT Office:	<u>104 United Drive</u> <u>Collinsville, IL 62234</u>	Wood Project No:	<u>563170001</u>
CLIENT Contact:	<u>Charles Etwert</u>	Work Order Type: (Check One)	
Wood Office:	<u>15933 Clayton Road</u> <u>Suite 215</u> <u>Ballwin, MO 63011</u>	Time and Materials	<u>X</u>
		Fixed Price	<u>                    </u>
Wood Contact:	<u>Randy Cook Jr.</u>	CLIENT Reference No:	<u>n/a</u>

1. SCOPE OF WORK: See Attachment A (incorporated herein by reference)
2. LOCATION/CLIENT FACILITY INVOLVED: Wood River Drainage and Levee District, Metro East Sanitary District, Prairie du Pont Levee and Sanitary District, and Fish Lake Drainage and Levee District.
3. PERIOD OF PERFORMANCE: December 18, 2019 through December 31, 2024
4. AUTHORIZED FUNDING: \$740,000
5. SPECIAL PROVISIONS: n/a

**Southwestern Illinois Flood Prevention District Council**

**Wood Environment & Infrastructure Solutions, Inc.**

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

By: \_\_\_\_\_  
Name: Edwin Watkins  
Title: Mississippi Valley Operations Manager  
Date: \_\_\_\_\_  
Address: 3800 Ezell Road  
Nashville, TN 37211

**Attachment A  
Scope of Work**

**WORK ORDER NO: MSA01-WO20  
Program Management Services**

**Amendment #2**

**I. Services Provided by the Engineer (Wood) during the Construction Phase**

- A. Upon successful completion of the Bidding and Negotiating Phase, and upon written authorization from Owner, Engineer shall:
1. Conduct general administration of construction contracts: Consult with owner and act as owner's representative as provided in the construction contract.
  2. Act as Resident Project Representative (RPR): Provide the services of an RPR at the Site to assist the Engineer and to provide observation of Contractor's work.
  3. Provide management of independent testing laboratory: Select an independent testing laboratory to perform Quality Assurance (QA) testing as required. Manage all QA testing and documentation thereof.
  4. Conduct pre-construction conferences: Conduct pre-construction conferences prior to commencement of major portions of work at the site.
  5. Manage construction schedules: Receive, review, and determine the acceptability of any and all schedules that Contractor is required to submit to Engineer, including the Progress Schedule, Schedule of Submittals, and Schedule of Values.
  6. Establish baselines and benchmarks: As appropriate, establish baselines and benchmarks for locating the work which in engineer's judgment are necessary to enable contractor to proceed.
  7. Perform construction site visits: Make visits to the site at intervals appropriate to the various stages of construction, as engineer deems necessary.
    - a. Address defective work: Reject work if, on the basis of engineer's observations, engineer believes that such work (a) is defective under the standards set forth in the contract documents, (b) will not produce a completed project that conforms to the contract documents, or (c) will imperil the integrity of the design concept of the completed project as a functioning whole as indicated by the contract documents.
  8. Issue clarifications and interpretations: Issue necessary clarifications and interpretations of the contract documents as appropriate to the orderly completion of Contractor's work.

9. Issue change orders and work change directives: Recommend change orders and work change directives to owner, as appropriate, and prepare change orders and work change directives as required.
10. Review submittals: Review, approve or take other appropriate action in respect to shop drawings, work plans, product data and samples and other data which contractor is required to submit, for conformance the Contract Documents.
11. Review substitutes and "or-equal": Evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by contractor as required.
12. Manage inspections and tests: Require such special inspections or tests of contractor's work as deemed reasonably necessary, and receive and review all certificates of inspections, tests, and approvals required by Laws and Regulations or the Contract Documents.
13. Participation in disagreements between owner and contractor: Render formal written decisions on all duly submitted issues relating to the acceptability of contractor's work or the interpretation of the requirements of the contract documents pertaining to the execution, performance, or progress of contractor's work; review each duly submitted claim by owner or contractor, and in writing either deny such claim in whole or in part, approve such claim, or decline to resolve such claim if engineer in its discretion concludes that to do so would be inappropriate. In rendering such decisions, engineer shall be fair and not show partiality to owner or contractor and shall not be liable in connection with any decision rendered in good faith in such capacity.
14. Review applications for payment: After receipt of each application for payment, review said application and recommend the amount that contractor shall be paid. Such recommendations of payment shall be in writing and will constitute engineer's representation to owner, based on such observations and review, to the best of the engineer's knowledge. In the case of unit price work, engineer's recommendations of payment will include final determinations of quantities and classifications of contractor's work (subject to any subsequent adjustments allowed by the contract documents).
15. Review contractor's completion documents: Receive, review, and transmit to owner maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance required by the contract documents, certificates of inspection, tests and approvals, shop drawings, samples and other data approved as provided above, and transmit the annotated record documents which are to be assembled by contractor in accordance with the contract documents to obtain final payment.
16. Address substantial completion: Promptly after notice from contractor that contractor considers the entire work ready for its intended use, in company with owner,

contractor, and any other applicable stakeholders, visit the project to determine if the work is substantially complete. If after considering any objections of owner, and other stakeholders, engineer considers the work substantially complete, engineer shall deliver a certificate of substantial completion to owner and contractor.

17. Issue final notice of acceptability of the work: Conduct a final visit to the Project to determine if the completed Work of Contractor is acceptable so that Engineer may recommend, in writing, final payment to Contractor.
18. Perform flood monitoring: During times when work is pending shut down due to river level restrictions, engineer shall routinely observe the site for damage as a result of river stage on an uncompleted project and take steps to notify appropriate parties when concerns arise.
19. Coordinate with stakeholders: Hold and/or participate in meetings as necessary with project stakeholders such as levee district personnel, members of the public, residents, businesses, and utility companies.
20. Provide construction job trailer(s): Construction trailer(s) will be provided by the engineer near each project site to facilitate daily observations and inspections.

B. The bid packages covered by this work order are:

1. Bid Package 11
2. Bid Package 14A
3. Bid Package 18

### ***AMENDMENT 2 – (08/17/2022)***

#### **Additional Scope for Bid Packages 11, 14A, and 18:**

This amendment adds construction management scope for Bid Package 11. Additionally, extra effort was needed to address an unknown utility on Bid Package 14A (now completed) and several unforeseen conditions during the construction of Bid Package 18 (now completed).

#### **WORK ORDER 20 SUMMARY:**

Total for Original Agreement	= \$2,500,000.00
Total for Amendment #1	= N/A
<u>Total for Amendment #2</u>	<u>= \$ 740,000.00</u>

**Total for Work Order 20                      = \$3,240,000.00**



Memo to: Board of Directors  
From: Chuck Ewert  
Subject: Corps of Engineers Update  
Date: August 15, 2022

Attached is Tracey Kelsey's Corps of Engineers Update, which Tracey will present at the meeting.

Recommendation: Accept the August Corps of Engineers Update by Tracey Kelsey.





## Metro East Projects, IL

### Project Status

#### East St Louis

- **Cutoff Wall/Jet Grout**
  - Contractor finishing site work. On track for November 22 completion.
  
- **Relief Well package 12 Phase 1**
  - Installation of relief wells continues. 106 total relief wells, 53 installed.
  
- **Bid Package 12 Phase 2 (combination of Phase 2 and Phase 3)**
  - PDT continues with design – approximately 65% complete
  - Coordination with IDOT, TRRA, Veolia, Alton-Southern continues
  - Contract Award 3QFY25
  
- **Bid Package 14 C – North Flank Berms** 4QFY24
  
- **Total Project Cost Update in progress**
  - WIK submittal received from Wood June 2, 2022
  
- **LERRD credit requests can be submitted at any time – recommend not waiting until end of project** - initial submittal received June 7, 2022
  
- **WIK BP 11**
  - ATR - Final report routing for signatures
  - BCOES – Wood is finalizing response



### Project Status

## Metro East Projects, IL

#### Wood River

- **Canal Road Pump No. 1** [*BP-8”; 1PS and 22 RWs*]
  - Contract awarded 04Nov21 (A)
  - Construction is going well
  
- **Relief Well Package #1 – 24 wells**
  - Contract awarded 02Dec21 (A)
  - Preconstruction submittals are complete
  - Contractor has mobilized
  
- **Canal Road Pump No. 2 and 3**
  - Issued solicitation 28Apr22 (A)
  - Pre bid site visit 12May22 (A)
  - Contract award 24Aug22
  
- **Reach 5 Berm Solution** FY23 (TBD)
  - Shift from relief well/pump station solution to berm solution
    - USACE to identify dimensions of berm
    - ✓ FPD anticipated to design/construct via work-in-kind

*Additional Funds Required for:*

- **Relief Well Package #2 - 56 Relief Wells, and associated ditch work**
  - City of Wood River has alternate plans for site making it difficult to secure required rights-of-way.
    - USACE reviewing utility information and real estate requirements of new location
    - USACE to initiate detailed design if above is workable
    - Design process will inform the new cost estimate



## Metro East Projects, IL

### Project Status

#### Wood River

- **Relief Well Package #3 – 30 Relief Wells**
  - Contract award (dependent on securing necessary real estate) FY23
- **Pump Station Modifications (at Wood River and Hawthorne)**
  - Contract award (final BCOES/finalize design this summer) early FY23
- **LERRD credit requests can be submitted at any time – recommend not waiting until end of project**
  - LERRD credit request No. 1 received for BP-8, RW#1 and RW#3, Canal Road Pump Stations.
  - Response to USACE comments provided by Wood, PLC.
- **Total Project Cost Update in progress**
  - Need costs for complete WIK (BP-8) - FPD
  - Need costs for completed LERRD No 1 request – USACE currently reviewing
  - Factoring in preliminary estimates for pivot to berm solution near Roxana
  - Critical for future budget requests
- **Funding**
  - Approximately \$13.4M additional Federal funds needed to complete the project based on Oct 2018 estimate



## Metro East Projects, IL

### Project Status

#### Mel Price Segment of Upper Wood River

- **Reach 1 Relief Wells contract**
  - All relief wells are installed. 03Jun21 (A)
- **Reach 2 Relief Wells BCOES certification** 30Sep21 (A)
- **Reach 2 Relief Wells ROW certification** 08Aug22
- **Reach 2 Relief Wells contract award** 08Aug22
  - BCI Construction, Belleville IL, \$9,404,435
- **Complete Mitigation** FY22
- **OMRR&R Payment to Wood River Drainage and Levee District** FY23
- **Project Closeout** FY24
- **Challenges**
  - Continued IOP execution



## Metro East Projects, IL

### Project Status

#### Prairie du Pont and Fish Lake

- *Continue coordination with Wood on current bid package*



US Army Corps  
of Engineers ®

