



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING

August 18, 2021 7:30 am

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

1. Call to Order
John Conrad, President
2. Roll Call
Debra Moore, Secretary/Treasurer
3. Approval of Minutes of July 21, 2021
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
Jay Martin, Wood Environment & Infrastructure Solutions, Inc.
8. FY 2022 Flood Prevention District Council Budget
Chuck Etwert, Chief Supervisor
9. Flood Prevention District Council Annual Report
Chuck Etwert, Chief Supervisor
10. Fiscal Agent Services
Chuck Etwert, Chief Supervisor

AGENDA

11. Financial Advisor Services
Chuck Etwert, Chief Supervisor
12. Update from Corps of Engineers
Tracey Kelsey, U.S. Army Corps of Engineers
13. Election of Officers for 2021-2022
Chuck Etwert, Chief Supervisor
14. Public Comment

Executive Session – (if necessary)
15. Other Business
16. Adjournment

Next Meeting: November 17, 2021

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING July 21, 2021

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 21, 2021.

Members in Attendance

Max Merz III, Vice President (Madison County Flood Prevention District)
Debra Moore, Secretary/Treasurer (Chair, St. Clair County 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

John Conrad, President (Chair, Monroe Flood Prevention District)
Isabelle Crockett, St. Clair County Flood Prevention District

Others in Attendance

Kurt Prenzler, Madison County Board Chair
Vicki Koerber, Monroe County Board Chair
Chuck Etwert, SW Illinois FPD Council
Randy Cook, Wood Environment & Infrastructure Solutions, Inc.
Mike Feldmann, U.S. Army Corps of Engineers
Hal Graef, U.S. Army Corps of Engineers
Scott Hillman, MESD
David Human, Husch Blackwell LLP
Tracey Kelsey, U.S. Army Corps of Engineers
Jay Martin, Wood Environment & Infrastructure Solutions, Inc.
Ronda Sauget, Leadership Council SWIL
Wesley White, Leadership Council SWIL
Kevin Williams, Wood River Drainage & Levee District

Call to order

Vice 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. Merz – Present
Aaron Metzger - Present
Dr. Moore – Present
Mr. Parks - Present
Mr. Schwind - Present

A quorum was present.

Approval of Minutes of May 19, 2021

Mr. Merz asked for a motion to approve the minutes of the Board meeting held on May 19, 2021. A motion was made by Mr. Parks, seconded by Mr. Schwind, to approve the minutes of the Board meeting held on May 19, 2021. Dr. Moore called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye
Mr. Conrad – absent
Ms. Crockett – absent
Mr. Merz - Aye
Mr. Metzger - abstained
Dr. Moore – Aye
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 100-Year Certification Packages and the Authorized Level Projects since the last meeting.

Mr. Etwert first discussed the 100-Year Certification Packages:

100-Year Certification Packages Status

He indicated FEMA was contacted regarding the East St. Louis/MESD Levee System, which FEMA accepted as structurally sound on April 29, 2019, to see what levee stakeholders and impacted communities need to do for a letter of accreditation to be issued.

In April, after receiving letters of accreditation on all of the other Metro East Levee Systems, the FPD Council offered to assist FEMA, by contacting and encouraging the involved entities to provide to FEMA the additional documentation needed to obtain a letter of accreditation. FEMA was contacted again on May 27, 2021 and July 9, 2021. FEMA has indicated it was meeting with its contractor the week of July 12, and would get back to the Council shortly afterwards regarding the additional documentation.

He stressed the importance of achieving letters of accreditation in all of the systems.

Next, he highlighted 500-Year Authorized Level changes since the last meeting.

500-Year Authorized Level Status

Wood River Levee System

He indicated he didn't have anything to update in the Wood River area, but Tracey Kelsey would have good news on the Corps' projects which were progressing towards contract awards.

MESD Levee System

For the MESD Levee System, he indicated the following:

The Cahokia Relief Well Project, Bid Package #18 – Underseepage Controls from 1207+00 to 1352+00 - Construction is nearly complete, with construction of the American Bottoms overflow sewer pipe remaining as the last large piece of work; this work will occur when the river stage is favorable to excavation work again. . A substantial completion meeting was held on July 13 to identify loose ends that can be fixed while waiting for the river to cooperate with the efforts to install the remaining pipe.

Bid Package #14A – Construction is complete and closeout documentation is underway

Bid Package #11 – Wood addressed all of the USACE District QA/QC review comments and resubmitted the project for USACE Corps' Agency Technical Review (ATR). Those plans were submitted to USACE on June 28. The ATR review is estimated to take 4-6 weeks once started, but as of July 15, the ATR had not yet started.

Following ATR, Wood will re-submit to the Corps for the Corps' Bidding, Constructability, Operability, Environmental, and Sustainability (BCOES) review. The Corps' BCOES review is anticipated to take approximately 4 to 6 weeks.

Concurrent with the BCOES, a Corps-required Safety Assurance Review (SAR), also known as a Type II Independent External Peer Review (IEPR) will be conducted by an outside engineering company, Shannon & Wilson. The SAR is anticipated to take approximately 3 weeks.

Additionally, Wood received comments from Metro East Sanitary District (MESD) on July 9; those comments are to be addressed.

After all the Bid Package #11 reviews are complete, the project will be advertised for bid and is currently scheduled to be brought for board approval at the November 2021 board meeting. However, with all of the above noted reviews maintaining the current schedule will be difficult.

Current estimated construction cost is \$8,100,000.

Prairie Du Pont/Fish Lake Levee Systems

He indicated after waiting five months for the necessary drilling plan approval, drilling in PDP began on July 6, 2021. Due to the long review time, Wood is now preparing a drilling plan for next year's work.

Wood continues to wait for a meeting date with USACE to discuss their request of nine weeks ago, for a meeting to discuss environmental permitting. They have been assured a meeting date is being scheduled.

Wood is also revising the Bid Package #15 schedule and scope of work now that drilling has begun. The bid package may be broken into two packages to initiate construction sooner.

Designs, bid schedules, and revised cost estimates for all bid packages will be developed as collection of data is complete.

He indicated a copy of Wood's Monthly Construction Progress Report for July was provided in the agenda package.

Mr. Merz asked for a motion to accept the Program Status Report for July 2021. A motion was made by Mr. Brinkman to accept the Program Status Report for July 2021. Mr. Parks seconded the motion. Dr. Moore called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye
Mr. Conrad – absent

Ms. Crockett – absent
Mr. Merz - Aye
Mr. Metzger - Aye
Dr. Moore – Aye
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 2021 prepared by our fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the months ending May 31, 2021 and June 30, 2021, as compared to our fiscal year budget.

Accrued expenditures for the fiscal year beginning on October 1, 2020 thru May 31, 2021 were \$19,053,976 while revenues amounted to \$8,558,423 resulting in a deficit of \$10,495,553. Accrued expenditures for the current fiscal year beginning on October 1, 2020 thru June 30, 2021 were \$19,303,418 while revenues amounted to \$10,038,264 resulting in a deficit of \$9,265,154. A total of \$40,643,736 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 \$1,477,433 for March 2021 were up 57.84% from last year. Monthly sales tax receipts of \$1,336,095 for April 2021 were up 56.51% from last year. Receipts for the year are up 34.78% from last year.

The Illinois Department of Revenue is attributing the recent spike to the implementation of the Leveling the Playing Field Act. They are seeing inconsistencies in how remote retailers and marketplace facilitators are reporting. IDOR is working to communicate with these companies to correct their returns. This will take some time and the filing of amended returns, so the amounts on these reports could change in the future. They recommend that you give these companies time to correct their reporting before using these figures for forecasting/budgeting purposes.

Unfortunately, this make projecting the sales tax revenues for FY 2022 very difficult. This will be discussed during the Draft FY 2022 Budget presentation.

There was a brief discussion regarding the 25% reduction in receipts originally projected for FY 2021 and current estimate of a ten percent increase for FY 2021. If receipts continue to trend as they have the last two months, the Council's estimated shortage of funds could possibly be reduced from twenty-five million to ten million dollars.

Lastly, he provided the lists of bank transactions for May and June. Total disbursements for May were \$364,985.83 and for June \$250,731.43. Largest payments were to Keller Construction and Wood. Copies of each disbursement were available for viewing.

Mr. Schwind indicated he was going to try to determine the source of the increases in Madison County.

Mr. Merz asked for a motion to accept Mr. Etwert's budget reports and disbursements for May and June 2021. A motion was made by Mr. Schwind seconded by Mr. Parks to accept the budget reports and approve the disbursements for May and June 2021.

Dr. Moore called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye
Mr. Conrad – absent
Ms. Crockett – absent
Mr. Merz - Aye
Mr. Metzger - Aye
Dr. Moore – Aye
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 indicated, due to COVID, this was his first live briefing in sixteen months.

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 as follows:

Authorized Level (~500-Year) Design

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

- Bid Package 8

Design is complete

USACE plans to bid this project in USACE FY2021

USACE has requested FPD Council CM support (WIK)

- Bid Packages 9 & 10

Because cost share requirements will have been met, these packages are not anticipated to be designed/constructed by FPD Council at this time.

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

- Bid Package 11

Currently being designed

95% to be submitted to the USACE later this month

Submitted to USACE for ATR Review on June 28.

- Bid Packages 12

Being Designed/Constructed by USACE

Land acquisition is underway

- Bid Package 14A

Construction is complete

Closeout documentation is underway

- Bid Package 14B

Filter Blanket under I-70 Bridge

Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete

ROW Acquisition is underway

- Bid Package 18

Construction is nearly complete

Waiting for favorable river stage for pipe work

All flood control features are installed and operational

Substantial Completion Meeting was held 7/13/21

- Bid Package 18A

Pump Station Work in Cahokia, IL

Scope is being developed and will be coordinated with USACE

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

- Still working with USACE to validate solutions
- 100% FPD Council funded design and construction (No Federal match)
- USACE Risk Review is complete
- **Drilling started on July 6th**
- **Phase III Drilling Plan is being Prepared**
- **Updating Bid Package Extents and Schedules based on information coming in**
- **Environmental permitting coordination with USACE is underway**

There was a brief discussion on the number of borings needed and the utilization of the borings for the relief wells.

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

Dr. Moore called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Draft FY 2022 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 our July Board meeting, with final adoption at the August meeting. By law, the Council’s budget must be adopted by August 31 of each year for the fiscal year beginning October 1. The budget must be submitted to the county boards for approval after which they have 30 days to act on it.

All of the improvements built have been tested by high river events (the second highest event on record at 45.93 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 FY 2021, the first two Authorized Level Projects, Bid Packages #14A and #18 will be completed.

The FY 2022 budget focuses on the continued design of Authorized Level Projects and the construction of Bid Package #11.

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 completing the 100-Year accreditation process and 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 2022 budget is shown in Table 1.

Key assumptions are:

1. FEMA will issue a letter of accreditation for the East St. Louis/MESD Levee System in FY 2022.
2. The level of Council staffing does not change in FY 2022, 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 10% over the amount collected the last twelve months (see comment #3 under Table 3). Interest income has been reduced based on lower fund balances as funds are utilized.
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 April 2023 and October 2023. The Council will utilize the \$19 million dollars in funds it currently has first. There is currently \$40,643,736 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 1

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL

DRAFT BUDGET

OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022

7/14/2021 DRAFT

	ACTUAL EXPENDITURES OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	ADOPTED BUDGET OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	PROJECTED EXPENDITURES OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	PROPOSED BUDGET OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,013,067	\$ 9,427,500	13,400,000	\$ 14,000,000
Interest Income	795,165	350,000	71,622	50,000
Other Contributions			-	-
Total Revenues	\$ 12,808,232	\$ 9,777,500	\$ 13,471,622	\$ 14,050,000
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	2,029,271	5,719,065	2,875,000	5,198,000
Construction	1,434,927	15,258,467	5,026,902	12,601,700
USACE Authorized Level Costs	2,445,961	500,000	-	500,000
Total Design and Construction	\$ 5,910,159	21,477,532	7,901,902	18,299,700
Professional Services				
Legal & Legislative Consulting	106,195	240,000	50,600	190,000
Financial Advisor	84,239	65,000	23,400	65,000
Bond Trustee Fee	12,179	12,000	12,000	12,000
Total Professional Services	\$ 202,613	\$ 317,000	\$ 86,000	\$ 267,000
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	\$ 2,161,549	\$ 1,000,000	\$ 3,559,997	\$ 1,000,000
Debt Service				
Principal and Interest	9,956,798	9,393,082	9,393,081	9,474,781
Federal Interest Subsidy	(259,311)	-	-	-
Total Debt Service	\$ 9,697,487	\$ 9,393,082	\$ 9,393,081	\$ 9,474,781
Total Design & Construction Expenses	\$ 17,971,808	\$ 32,187,614	\$ 20,940,980	\$ 29,041,481
General and Administrative Costs				
Salaries, Benefits	210,136	233,000	234,076	240,000
Bank Service Charges	818	1,000	683	1,000
Equipment and Software	968	2,000	1,232	2,000
Fiscal Agency Services	33,085	35,000	33,145	37,000
Audit Services	17,000	18,000	17,500	19,000
Meeting Expenses	127	1,000	276	1,000
Postage/Delivery	846	1,000	1,004	1,000
Printing/Photocopies	1,502	2,000	1,882	2,000
Professional Services	60	10,000	-	10,000
Supplies	402	3,000	922	3,000
Telecommunications/Internet	2,934	3,000	2,878	3,000
Travel	412	5,000	355	5,000
Insurance	484	1,000	516	1,000
Total General & Administrative Costs	268,774	315,000	294,469	325,000
Total Expenditures	18,240,582	32,502,614	21,235,449	29,366,481
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(5,432,350)	\$ (22,725,114)	\$ (7,763,827)	\$ (15,316,481)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	(367,262)	-	-	-
NET CHANGE IN FUND BALANCE	\$ (5,799,612)	\$ (22,725,114)	\$ (7,763,827)	\$ (15,316,481)

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 2022 thru FY 2024 to the Estimated Available Authorized Level Funding FY 2022 thru FY 2024, indicating an anticipated funding shortage slightly over \$9 million dollars. Depending on sufficient sales tax revenues, this shortage could be covered by possible issuance of a third bond issue or a pay-as-you-go scenario.

The Authorized Level is early in the process and there are many factors that could affect the estimated shortfall of funds:

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 estimates were in \$160 million dollars and the project came in at around \$120 million dollars.
3. Similar to last year, projected sales tax revenues are really a guestimate at this time. Last year with COVID-19, based on the receipts for March 2020, estimated sales tax receipts for FY 2021 and FY 2022 were reduced by 25%. Estimated receipts for FY 2023 were reduced by 12.5%.

Projected receipts for FY 2021 appear to be on the positive side with a projected increase in receipts greater than ten percent. This is based on the receipts for March and April being over fifty percent higher than last year. The receipts for the last the four months have been the highest ever collected for those months and also the highest ever collected for each county for those four months.

Based on the guidelines indicated by the Illinois Department of Revenue, sales tax receipts have been conservatively increased by 10% for FY 2022, 5% for FY 2023 and 5% for FY 2024. A better estimate will not be able to be determined until later this year when additional data is available.

Implementing these projected positive increases versus the previous projected decreases in receipts has reduced the Council's estimate shortage of funds, based on current project estimates, from \$22 million to \$9 million dollars.

Future sales tax revenues will determine the ability to issue additional bonds generating more funds or the ability to utilize a pay-as-u-go approach.

Table 2
Estimated Project Expenditures 10.1.2021 -9.30.2022

Design & Construction Management	FY 2022
Engineering Design	
<i>W. O. #1 Program Mgmt.</i>	\$150,000
<i>W. O. #3 Preconstruction Activities</i>	\$30,000
<i>W. O. #3 Flood Activities</i>	\$25,000
Authorized Level Work Orders	
<i>W.O. #13 Wood River Field & Design BP #8, BP #9, & BP #10</i>	\$200,000
<i>W.O. #14 MESD Field & Design</i>	\$500,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field & Design</i>	\$3,000,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>	\$200,000
<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
Construction Management.	
<i>W. O. #? Construction Management BP #14, BP #15/16/17 & BP#18</i>	\$900,000
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.	\$5,198,000
Construction	
<i>Bid Package #11 - MESD</i>	\$7,047,000
<i>Contingency (10% FPD Construction)</i>	\$704,700
<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
TOTAL CONSTRUCTION	\$13,101,700
TOTAL ENGINEERING DESIGN & CONSTRUCTION	\$18,299,700
REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS	\$1,000,000

Operations & Financing	
<i>General & Administrative</i>	\$325,000
<i>Debt Service</i>	\$9,474,781
<i>Professional Services</i>	
<i>Legal</i>	\$190,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
TOTAL OPERATIONS	\$10,066,781
TOTAL EXPENSES	\$29,366,481

Table 3

Estimated Authorized Level Funding Needed FY 2022 to FY2024

<i>Bid Package #11- MESD</i>	\$8,100,000
<i>Bid Package #14B- MESD</i>	\$3,000,000
<i>Bid Package #14C- MESD</i>	\$6,000,000
<i>Bid Package #18A- MESD</i>	\$4,000,000
<i>Bid Package #9 - WOOD RIVER</i>	\$2,000,000
<i>Bid Package #15 - PDP/FL</i>	\$17,115,000
<i>Bid Package #16 - PDP/FL</i>	\$7,140,000
<i>Bid Package #17 - PDP/FL</i>	\$9,828,000
<i>Engineering Design & Construction Management</i>	\$13,478,074
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$15,020,375
<i>General & Administrative and Professional Services</i>	\$1,881,000
CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED	\$87,562,449

Estimated Available Authorized Level Funding FY2022 to FY2024

<i>Cash & 2015 Bond Project Funds (9/30/2021)</i>	\$26,478,729
<i>County FPD Tax Funds (9/30/2021)</i>	\$40,643,736
<i>Additional Sales Tax Revenue After Debt Service</i>	\$15,157,946
<i>Interest</i>	\$98,000
Available Funding	\$82,378,411
Current Estimated Shortage FY2022-FY2024	\$5,184,038
FY2025 Costs	\$3,939,929
Estimated Total Shortage	\$9,123,967

Easements, high river stages, construction delays, and additional reviews pushed accreditations back, but all accreditations should be completed in FY 2022.

After considering any comments or suggestions over the next month, a final FY 2022 budget will be presented at the August Board meeting for adoption and forwarding to the county boards for their approval.

He offered to answer any questions that anyone had. There were none.

Mr. Merz asked for a motion to accept Mr. Etwert's report on the Draft FY 2022 Flood Prevention District Council Budget. A motion was made by Mr. Parks to accept Mr. Etwert's report on the Draft FY 2022 Flood Prevention District Council Budget with the understanding the final adoption will not take place until the August meeting. Mr. Brinkman seconded the motion. Dr. Moore called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye
Mr. Conrad – absent
Ms. Crockett – absent
Mr. Merz - Aye
Mr. Metzger - Aye
Dr. Moore – Aye
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**
 - Cutoff wall construction complete. Continue with verification borings.
 - Jet Grout mod executed. Contractor initiating work

- **Relief Well Package 12 Phase 1**
 - Contract Issued 08 July 21
 - Contract Award 16 Aug 21

- **Toe Drain – Eliminated due to jet grout closure of “windows”**

- **Toe Drain/Relief Wells**
 - Wells will be incorporated into an existing bid package

- **Bid Package 12 Phase 2** (Dependent on final 3-D analysis – schedule TBD)
 - Contract Award 1Q 2023

- **Bid Package 12 Phase 3** (Dependent on final rail traffic analysis – schedule TBD)
 - Contract Award 3Q 2023
 - AE making progress on shoring and rail relocation analysis

- **Bid Package 14 Phase 2 – Berms** (Dependent on funding) FY 23

- **NF Partner WIK Bid Packages**
 - BP18 Relief Well/PS Mods Construction Complete June 2021
 - BP14A Shallow Trench Construction Complete May 2021
 - BP14B Berm – Initiated ROW (TRRA) now in litigation

- Award
BP11 Submitted for Agency Technical review (ATR)

TBD

- **Wood River**

- **Canal Road Pump No. 1** (BP-8; 1PS and 22 RWs)

ROW certification received	09Jul21
Solicitation (estimated)	16Juy21
Site Visit (estimated)	29Jul21
Contract award (estimated)	04Nov21

- **Relief Well Package #1 – 24 wells**

ROW certification	16Jul21
Solicitation (estimated)	6Aug21
Contract award (estimated)	26Nov21

- **Canal Road Pump No. 2, 3, and 4** (designed by MVS A/E)

ROW certification received for PS 2 and PS 3	16Jul21
--	---------

USACE anticipates moving forward with PS 2 and 3 contract
Design package will be split – PS 2 and PS 3 will be awarded together
Easement impasse with the Village of Roxana
Per Sponsor’s request, USACE is exploring the feasibility of a berm solution vs PS/RWs

Additional federal funds required for:

- **Pump Station Modifications** (add pump to WR; replace pump at Hawthorne)

Anticipated to be awarded after BP-8, RW#1, and PS

- **Relief Well Package #2 and #3 – 56 and 37 RWs**

Design complete in FY22

ROW certification pending

Contract award delayed to FY23 due to available funds (will re-access after award of first 3 contracts)

- **Relief Well #2 Ditch Work**

Design Ongoing – exploring options to address the area in Reach 2 north of Olin and Koch

She confirmed additional funds of fourteen million dollars were needed.

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

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

- Reach 1 Relief Wells contract award 03Jun21
- Reach 2 Relief Wells BCOES certification 30Sep21
- Reach 2 Relief Wells ROW certification 18Feb22
- Reach 2 Relief Wells contract award 13Jun22
- 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**

- Drilling has started

There was a lengthy discussion regarding the recent flooding in Germany and what information and knowledge the Corps obtains from such events. The August 2019 event in Granite City and an event in East St. Louis were also discussed. In summary, based on recent rain events the last few years, the rule now days is to expect the unexpected, historical performance gives guidance but isn't an exact predictor of the future.

There was a brief discussion regarding the possible lack of funding (6-8 million dollars) for Bid Package 14 Phase 2 (which is considered to be a low risk project), rising construction costs, and the type of wells being installed in Bid Package 12 Phase 1.

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. Schwind with second by Mr. Brinkman on the motion.

Dr. Moore called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Approval of Resolution of Appreciation for Jeremy Plank

Mr. Merz presented the following resolution for Jeremy Plank, representing Madison County:

Southwestern Illinois Flood Prevention District Council

RESOLUTION Expressing Recognition and Appreciation to Jeremy Plank for Distinguished Service In Restoring Flood Protection in the Metro-East

WHEREAS, Jeremy Plank has served as a Commissioner on the Madison County Flood Prevention District since 2016; and

WHEREAS, he has served on the Board of Directors of the Southwestern Illinois Flood Prevention District Council since 2016; and

WHEREAS, he faithfully and with honor, integrity and great distinction served as Secretary/Treasurer and Vice President of the Southwestern Illinois Flood Prevention District Council; and

WHEREAS, he has provided outstanding leadership and guidance to the Southwestern Illinois Flood Prevention District Council; and

WHEREAS, his efforts have demonstrated that Counties working together can achieve much; and

WHEREAS, he has always been mindful of the goal of the Southwestern Illinois Flood Prevention District Council of achieving Federal Emergency Management Agency accreditation certifying the Metro-East levees meet federal standards; and

WHEREAS, he stressed the utilization of flood prevention sales tax funds for the stabilization of the Metro East Levee Systems; and

WHEREAS, the Southwestern Illinois Flood Prevention District Council has completed its goal of fully protecting the Metro-East from a 100-Year flood under his leadership; and

WHEREAS, the levees have been reconstructed and repaired to the 100-Year Level of Protection earlier and at a cost less than originally projected; and

WHEREAS, his leadership helped initiate the restoration of the federally authorized 500-Year Level of Flood Protection in the Metro-East providing the region with a higher level of flood protection and economic growth, while simultaneously completing the 100-Year Level Projects.

NOW, THEREFORE, IT IS HEREBY RESOLVED, that the Board of Directors of Southwestern Illinois Flood Prevention District Council formally acknowledges and extends its recognition and appreciation to Jeremy Plank for his years of service to the Southwestern Illinois Flood Prevention

District Council and his efforts to provide expeditious and cost-effective flood protection to the Metro-East.

Mr. Merz asked for a motion to approve the resolution thanking Mr. Plank for his service to the Council. Mr. Parks made the motion to approve the resolution for Mr. Plank, with a second by Mr. Schwind on the motion.

Dr. Moore called the roll and the following votes were made on the motion:

Mr. Brinkman – Aye
Mr. Conrad – absent
Ms. Crockett – absent
Mr. Merz - Aye
Mr. Metzger - Aye
Dr. Moore – Aye
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 mentioned Madison County will be considering the reappointment of Mr. Schwind and the appointment of the replacement for Mr. Plank at their meeting later in the day

Other Business

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

Adjournment

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

Respectfully submitted,

Debra Moore,
Secretary/Treasurer, Board of Directors



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for August 2021
Date: August 16, 2021

100-Year Certification Packages Status

In April 2021, FEMA was contacted regarding the East St. Louis/MESD Levee System, which FEMA accepted as structurally sound on April 29, 2019, to see what levee stakeholders and impacted communities needed to do for a letter of accreditation to be issued. The FPD Council has offered to assist FEMA, by contacting and encouraging the involved entities to provide to FEMA the additional needed documentation. In July, FEMA, indicated a conference call would be scheduled for the week of August 9th, this has now been moved back to the week of August 23rd.

500-Year Authorized Level Status

Wood River Levee System

Land acquisition for Authorized Level Projects continues along with preparation of LERRDs credits submittals to USACE

Work In-Kind credit of \$16,041,496 has been earned 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 a relief well abandonment package.

MESD Levee System

The Cahokia Relief Well Project, Bid Package #18 – Underseepage Controls from 1207+00 to 1352+00 - Construction is nearly complete, with construction of the American Bottoms overflow sewer pipe remaining as the last large piece of work; this work will occur later this month and

throughout September. The river stage is very favorable right now and the minor dewatering that will be needed will start any day now. A substantial completion meeting was held on July 13 to identify loose ends than can be fixed while waiting for the river to cooperate with the efforts to install the remaining pipe.

Bid Package #14A – Construction is complete and closeout documentation is underway.

Bid Package #11 – Wood addressed all of the USACE District QA/QC review comments and resubmitted the project for USACE Corps’ Agency Technical Review (ATR). Those plans were submitted to USACE on June 28. The ATR review is estimated to take 4-6 weeks once started, but as of August 12, the ATR had not yet started, as USACE is still evaluating the 95% DQC comment responses.

Following ATR, Wood will re-submit to the Corps for the Corps’ Bidding, Constructability, Operability, Environmental, and Sustainability (BCOES) review. The Corps’ BCOES review is anticipated to take approximately 4 to 6 weeks. Concurrent with the BCOES, a Corps-required Safety Assurance Review (SAR), also known as a Type II Independent External Peer Review (IEPR) will be conducted by an outside engineering company, Shannon & Wilson. The SAR is anticipated to take approximately 3 weeks.

Additionally, Wood is incorporating comments received from Metro East Sanitary District (MESD).

After all the Bid Package 11 reviews are complete, the project will be advertised for bid. Board approval of this project was scheduled for November 2021, but the delay in ATR Review will push board approval to at least the January 2022 meeting.

Current estimated construction cost is \$8,100,000.

Bid Package #18A – A report summarizing the results and scope recommendations is still underway and is expected to be issued in the near future. It is anticipated the estimated cost will be in the vicinity of \$4,000,000.

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

Work In-Kind credit of \$12,415,405 has been earned to date for the MESD Levee System.

Prairie Du Pont/Fish Lake Levee Systems

After waiting five months for the necessary drilling plan approval, drilling in PDP began on July 6, 2021 and was completed on July 29, 2021. The lab analyses of the soil will continue

throughout the rest of this month and into September. After the lab work is complete, the final relief well and seepage berm design for Bid Package 15 in Prairie du Pont will begin.

Due to the long review time, Wood is now preparing a drilling plan for next year's work.

The level of effort that will be required for environmental permitting is still unknown. The FPD Council and Wood are continuing to discuss this with USACE.

Wood has almost finished revising the scope of Bid Package 15 so that construction along the Prairie du Pont system can start as soon as possible. Further detail about the revised extents of the Bid Package 15 project will be presented at the next board meeting.

Designs, bid schedules, and revised cost estimates for all bid packages will be developed as collection of data is complete.

Included in your Board packet, is a copy of Wood's Monthly Construction Progress Report for August.



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

**Southwestern Illinois Levees
Restoration of the Federally-Authorized Level of Flood Protection
Monthly Construction Progress Report
June 2021**

Wood Project No. 563170001
Period Ending Date: August 10, 2021

Date of Issue: August 12, 2021

Table of Contents

1. OVERVIEW	1
1.1 PROJECT DESCRIPTION	1
1.2 KEY CONTACTS / PEOPLE.....	1
2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE)	2
2.1 HSSE REPORTS	2
3. PROJECT STATUS UPDATE.....	4
3.1 BID PACKAGE 14A	5
3.1.1 Calendar	5
3.1.2 Progress	5
3.1.3 Property Acquisition	5
3.1.4 Levee Board Considerations.....	5
3.1.5 Submittals	5
3.1.6 Change Orders	5
3.1.7 QC/QA Activities	5
3.1.8 Considerations	5
3.1.9 Payment Progress	5
3.2 BID PACKAGE 18.....	6
3.2.1 Calendar	6
3.2.2 Progress	6
3.2.3 Property Acquisition	6
3.2.4 Levee Board Considerations.....	6
3.2.5 Submittals	6
3.2.6 Change Orders	6
3.2.7 QC/QA Activities	6
3.2.8 Considerations	6
3.2.9 Payment Progress	6

1. OVERVIEW

1.1 Project Description

In February 2015 the Southwestern Illinois Flood Prevention District Council (FPD Council) passed a resolution to restore the federally authorized level of flood protection to the Prairie du Pont and Fish Lake Flood Protection Project, the East St. Louis and Vicinity Flood Protection Project, and the Wood River Flood Protection Project. The FPD Council has entered into Project Partnership Agreements with the U.S. Army Corps of Engineers and the non-federal sponsors for each levee system to create a partnership whereby the FPD Council can design and construct certain improvements necessary to restore the federally authorized level of protection. The FPD Council is constructing certain work packages, or "Bid Packages", as described below:

Bid Package 14A is composed of the construction of underseepage controls in the Metro-East Sanitary District Levee System, from station 821+00 to 863+00. This includes construction of a cut-off trench, placement of 2 riverside blankets/berms, construction of 2 piezometers, and placement of random fill in an existing ditch.

Bid Package 18 is composed of the construction of underseepage controls in the Metro-East Sanitary District Levee System, from station 1207+00 to 1352+00. This includes new relief well construction, pump station structural modifications, pump station forebay box culvert and fill, and amendments/additions to the relief well collector system.

1.2 Key Contacts / People

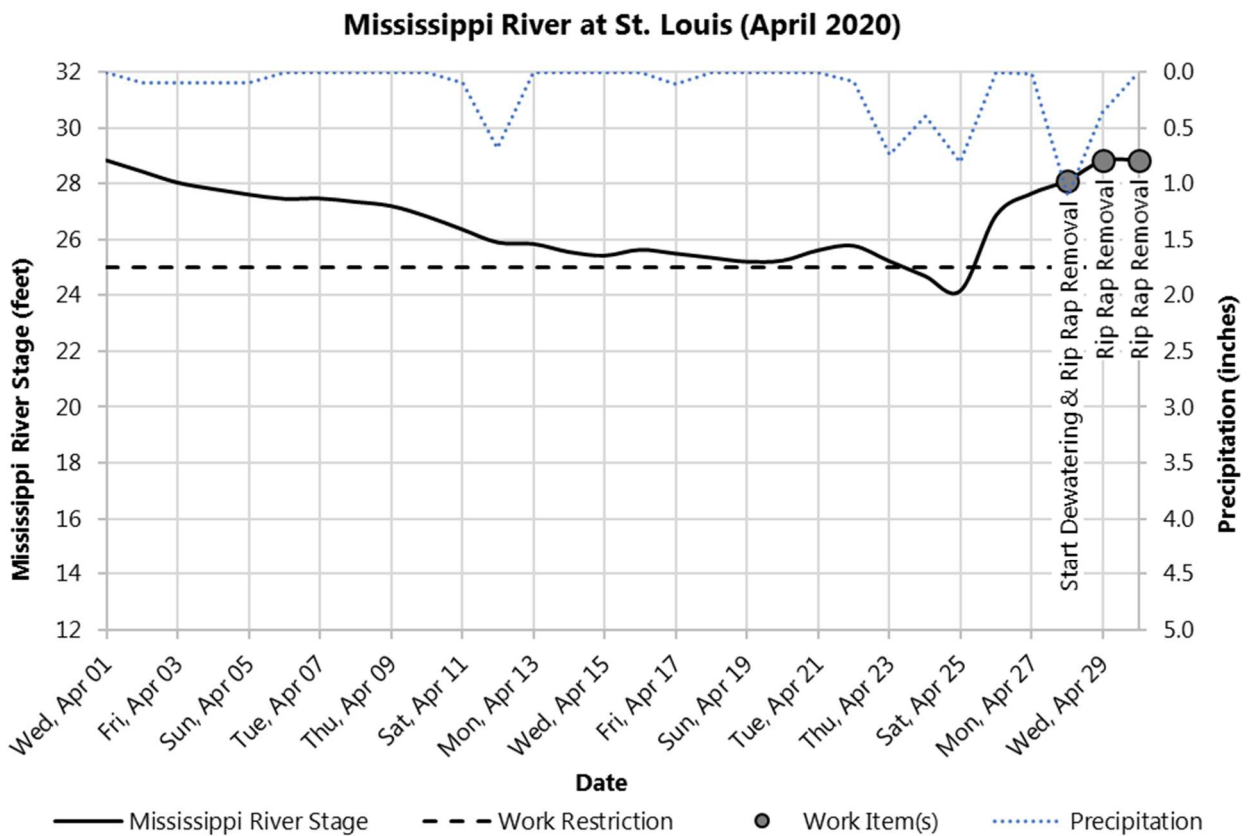
Program Manager	Jay Martin, PE, 615.333.0630 jay.martin@woodplc.com
Project Manager	Jon Omvig, AICP, 636.200.5118 jon.omvig@woodplc.com
Engineer of Record (Civil)	Randy Cook Jr., PE, 636.200.5125 randy.cook@woodplc.com
Engineer of Record (Geotechnical)	Mary Knopf, PE, 502.333.4391 mary.knopf@woodplc.com
Resident Project Representative	Trevor Coons, 314.496.3098 trevor.coons@woodplc.com
Construction Coordinator	Dalton Brookshire, 217.313.6194 dalton.brookshire@woodplc.com
Construction Inspector	Jeffery Johnson, 636.317.8212 jeffery.johnson@woodplc.com

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

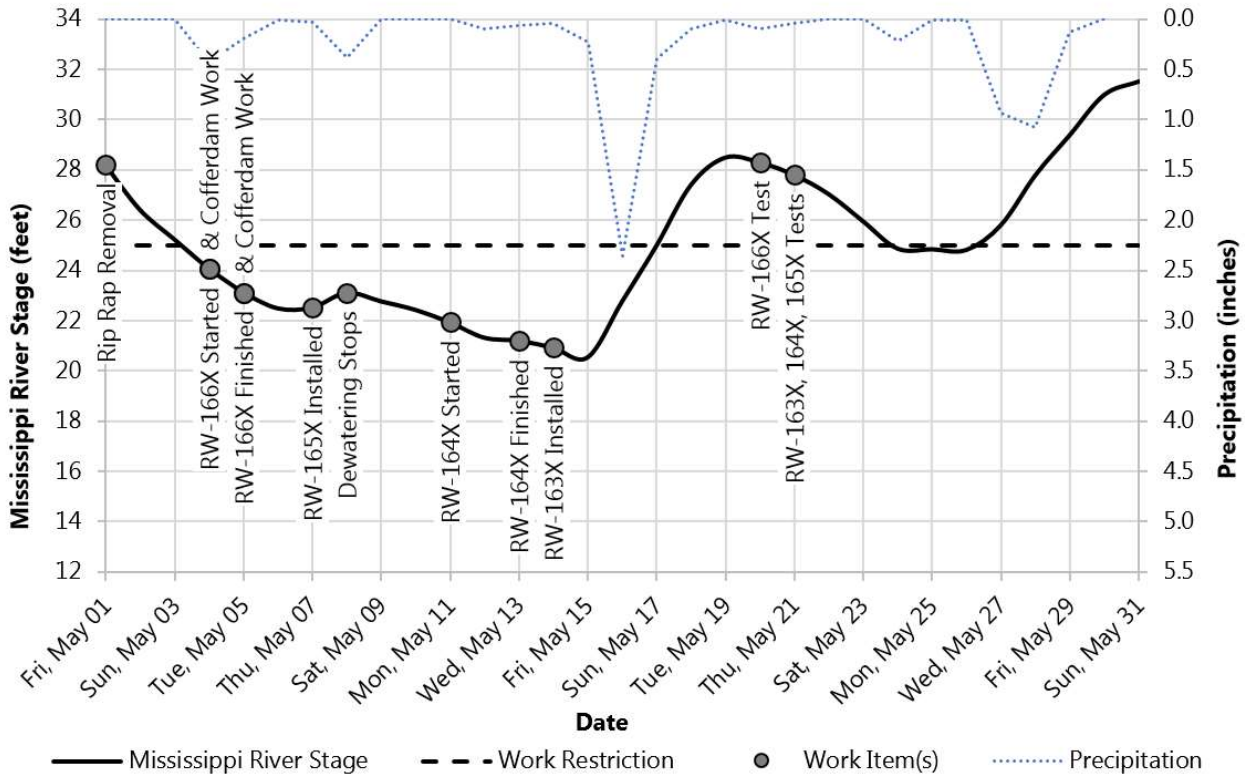
2.1 HSSE Reports

Health/Safety									
The Contractor(s) conduct weekly toolbox safety talks.									
Security									
We have had some issues with local vandals. We are working with local law enforcement to prevent further instances.									
Environment (SWPPP)									
Forms submitted as required									
River Stage Restrictions									
The project specifications dictate that excavations shall cease when the Mississippi River Stage is:									
<table border="1"> <thead> <tr> <th>Bid Package</th> <th>River Stage</th> <th>River Elevation</th> </tr> </thead> <tbody> <tr> <td>14A</td> <td>25</td> <td>404.58 (St. Louis)</td> </tr> <tr> <td>18</td> <td>25</td> <td>404.58 (St. Louis)</td> </tr> </tbody> </table>	Bid Package	River Stage	River Elevation	14A	25	404.58 (St. Louis)	18	25	404.58 (St. Louis)
Bid Package	River Stage	River Elevation							
14A	25	404.58 (St. Louis)							
18	25	404.58 (St. Louis)							

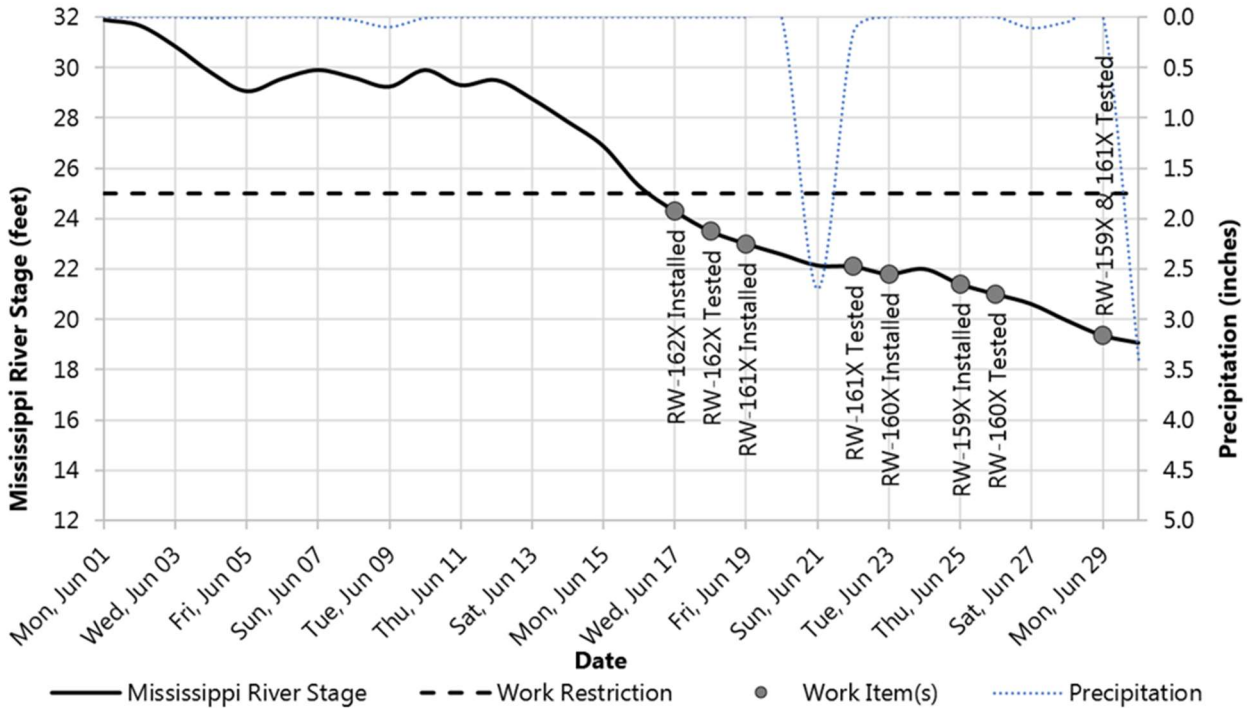
2.2 River Stage History



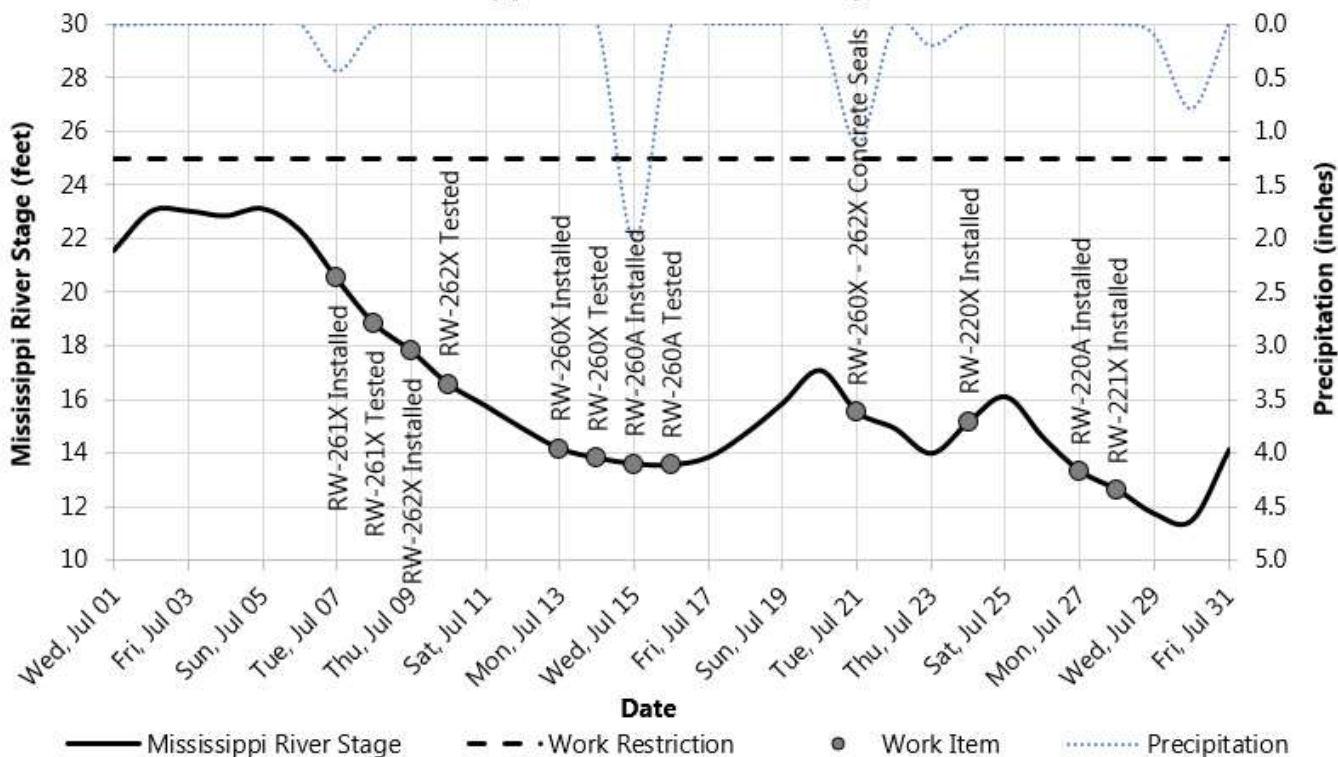
Mississippi River at St. Louis (May 2020)



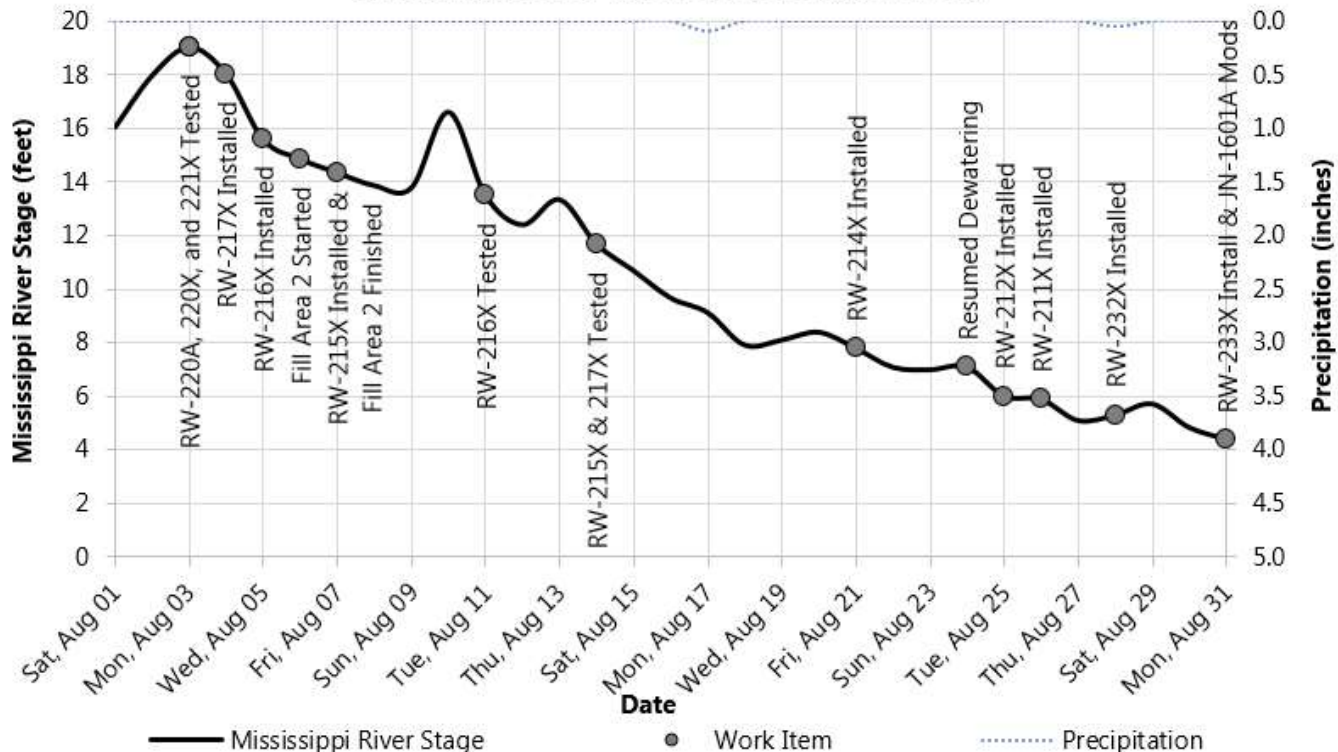
Mississippi River at St. Louis (June 2020)



Mississippi River at St. Louis (July 2020)



Mississippi River at St. Louis (August 2020)



3. PROJECT STATUS UPDATE

3.1 Bid Package 14A

3.1.1 Calendar

Bid Date:	January 6, 2019
Contract executed	February 18, 2020
Schedule received	Not yet received
Anticipated start of field activities	July 2020
Start of field activities	September 2, 2020
Contract completion date	<i>Final completion January 22, 2021.</i>
Final Walk Through	TBD
Final Acceptance	N/A

3.1.2 Progress

- Final close-out submittals are in the approval process.

3.1.3 Property Acquisition

- America's Central Port - Complete

3.1.4 Levee Board Considerations

- None at this time

3.1.5 Submittals

- Submittals are complete

3.1.6 Change Orders

- Change Order No. 1 to address the lost time and additional effort necessary to work around the unknown 10" gas line utility was approved on November 8, 2020.
- Change Order No. 2 for slag removal at the piezometer locations approved November 24, 2020.
- Change Order No. 3 for time extension was approved December 18, 2020.
- Change Order No. 4 for time extension in progress approved June 21, 2021.
- Change Order No. 5 for unit price and quantity adjustments approved June 21, 2021.
- See Change Order Log attached

3.1.7 QC/QA Activities

- Complete to date

3.1.8 Considerations

- None

3.1.9 Payment Progress

- See Contract Invoice Log attached

3.2 Bid Package 18

3.2.1 Calendar

Bid Date:	November 6, 2019
Contract executed	January 15, 2020
Schedule received	February 20, 2020
Anticipated start of field activities	March 2020
Start of field activities	March 20, 2020
Contract completion date	<i>Final completion September 30, 2021.</i>
Final Walk Through	TBD
Final Acceptance	N/A

3.2.2 Progress

- The contractor had requested and been granted a project timeline extension until the end of summer (September 30, 2021), to afford them the opportunity to complete the American Bottoms Sewer Extension and Levin Drive work. They have now recognized the need to implement a dewatering system to facilitate the dewatering process for the proposed excavation to remove the old American Bottoms Sewer Line and implement the new installation. They are currently awaiting delivery of the components for the Well Point Dewatering System, and plan to resume construction efforts by the end of August. They are estimating that the remaining tasks will take 2-3 weeks to complete once work is resumed.

3.2.3 Property Acquisition

- No acquisition was necessary for this bid package

3.2.4 Levee Board Considerations

- None

3.2.5 Submittals

- Substantially complete, routine testing submittals in progress

3.2.6 Change Orders

- Change Order No. 1 completed on April 21, 2020
- Change Order No. 2 approved by FPD Council Board on August 19, 2020
- Change Order No. 3 approved by FPD Council Board on November 9, 2020
- Change Order No. 4 approved by FPD Council Board on February 5, 2021.
- Change Order No. 5 completed on February 26, 2021. Awaiting contractor approval.
- Change Order No. 6 for project timeline extension in progress. Awaiting contractor approval.
- See Change Order Log attached

3.2.7 QC/QA Activities

- In progress

3.2.8 Considerations

- None

3.2.9 Payment Progress

- See Contract Invoice Log attached

CONTRACT INVOICE LOG

Contractor:	Keller Construction, Inc. 22 Illini Drive Glen Carbon, IL 62034
Project:	Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project
Bid Package Number:	14A
Bid Package Name:	Underseepage Controls from 821+00 to 863+00

Original Contract Amount:	\$ 905,000.00
Change Order #1:	\$ 56,869.66
Change Order #2:	\$ 4,872.00
Change Order #3:	-\$ 15,994.80
Total Change Order Amount:	\$ 45,746.86
Total Revised Contract Amount:	\$ 950,746.86

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Included Retainage (\$)
1	4/30/2020	4/30/2020	\$22,000.00	\$2,200.00	\$19,800.00	\$19,800.00	5/6/2020	\$885,200.00
2	10/28/2020	10/30/2020	\$505,075.51	\$50,507.56	\$454,567.95	\$434,767.95	10/30/2020	\$450,432.05
3	11/13/2020	11/13/2020	\$835,845.80	\$83,584.59	\$752,261.21	\$297,693.26	11/18/2020	\$152,738.79
4	12/11/2020	12/14/2020	\$893,483.22	\$89,348.33	\$804,134.89	\$51,873.68	12/15/2020	\$146,611.97
5	5/20/2021	5/24/2021	\$950,746.86	\$0.00	\$950,746.86	\$146,611.97	5/25/2021	\$0.00

Change Request Log

Contractor:	Keller Construction, Inc. 22 Illini Drive Glen Carbon, IL 62034
Project:	Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project
Bid Package No.:	14A
Big Package Name:	Underseepage Controls from 821+00 to 863+00

Original Contract Amount:	\$ 905,000.00
Change Orders Total:	\$ 45,746.86
Total Revised Contract Amount:	\$ 950,746.86

(Includes Pending Change Orders)
(Assumes Approval of Pending Change Orders)

Change Request No.	PCN No.	Description	Change Type (Field, Design, Spec, Other)	Cost	As-Bid Line Item	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	1	Ameren 10-inch Pipeline	Other	\$ 56,869.66	N/A	N/A	N/A	6.28%	11/8/2020	Approved	Address 10-inch unmarked Ameren pipeline.
2	2	Pizeometer Bollard Slag Removal	Field	\$ 4,872.00	14A.01 14A.09	\$44,000 \$22,000	6.3% 9.5%	0.54%	11/24/2020	Approved	Additional equipment and labor associated with addressing unforeseen slag encountered during installation of piezometer bollards. Time extension of 18 days.
3	3	Time Extension	Other	\$ -	N/A	\$ -	0.00%	0.00%	12/18/2020	Approved	Contract time extension due to unfavorable ground conditions and weather. Project completion is changed from 12/18/2020 to 1/22/2021.
4	4	Time Extension	Other	\$ -	N/A	\$ -	0.00%	0.00%	6/21/2021	Approved	Contract time extension due to unfavorable ground conditions and weather. Project completion is changed from 1/22/2021 to 5/21/2021.
5	5	Unit Price and Quantity Adjustments	Design, Field, and Other	(\$15,994.80)	14A.10 14A.11 14A.12 14A.13	\$ -	0.00%	-1.77%	6/21/2021	Approved	Contractor has requested quantity adjustments for various cuts/fills and a unit price adjustment for the south blanket.

CONTRACT INVOICE LOG

Contractor:	Keller Construction, Inc. 22 Illini Drive Glen Carbon, IL 62034
Project:	Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project
Bid Package Number:	18
Bid Package Name:	Underseepage Controls from 1207+00 to 1352+00

Original Contract Amount:	\$ 4,798,418.20
Change Order #1:	\$ 7,176.00 (2/1/2020)
Change Order #2:	\$ 170,529.06 (8/19/2020)
Change Order #3:	-\$ 97,883.84 (11/9/2020)
Change Order #5:	-\$ 122,109.05 (2/26/2021)
Total Change Order Amount:	-\$ 42,287.83
Total Revised Contract Amount:	\$ 4,756,130.37

Payment Request No.	Pay Request Date	Pay Request Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	3/31/2020	4/9/2020	\$109,038.87	\$10,903.89	\$98,134.98	\$98,134.98	4/10/2020	\$4,707,459.22
2	5/7/2020	5/14/2020	\$281,792.87	\$28,179.29	\$253,613.58	\$155,478.60	5/14/2020	\$4,551,980.62
3	6/7/2020	7/22/2020	\$597,279.99	\$59,728.00	\$537,551.99	\$283,938.41	7/23/2020	\$4,268,042.21
4	7/15/2020	7/23/2020	\$776,708.35	\$77,670.85	\$699,037.51	\$161,485.51	7/23/2020	\$4,106,556.70
5	8/7/2020	8/14/2020	\$1,039,513.04	\$103,951.32	\$935,561.72	\$236,524.22	8/17/2020	\$3,870,032.48
6	9/8/2020	9/8/2020	\$1,346,980.73	\$134,698.07	\$1,212,282.66	\$276,720.92	9/9/2020	\$3,763,840.62
7	10/16/2020	10/26/2020	\$2,509,094.48	\$250,909.45	\$2,258,185.03	\$1,045,902.37	10/28/2020	\$2,717,938.26
8	11/12/2020	11/13/2020	\$3,132,599.92	\$313,260.01	\$2,819,339.91	\$561,154.88	11/18/2020	\$2,058,899.54
9	12/10/2020	12/14/2020	\$3,800,863.21	\$380,086.34	\$3,420,776.87	\$601,436.96	12/15/2020	\$1,457,462.58
10	1/28/2021	2/1/2021	\$4,381,672.73	\$438,167.29	\$3,943,505.44	\$522,728.57	2/2/2021	\$934,734.01
11	4/12/2021	4/21/2021	\$4,588,606.96	\$229,430.37	\$4,359,176.59	\$415,671.16	4/22/2021	\$396,953.81
12	5/4/2021	5/24/2021	\$4,605,550.74	\$230,277.56	\$4,375,273.18	\$16,096.59	5/25/2021	\$380,857.22
13	6/9/2021	6/16/2021	\$4,613,643.52	\$230,682.20	\$4,382,961.32	\$7,688.14	6/16/2021	\$373,169.08
14	7/7/2021	7/9/2021	\$4,642,077.53	\$232,103.90	\$4,409,973.63	\$27,012.31	7/12/2021	\$346,156.77

Change Request Log

Contractor:	Keller Construction, Inc. 22 Illini Drive Glen Carbon, IL 62034
Project:	Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project
Bid Package No.:	18
Big Package Name:	Underseepage Controls from 1207+00 to 1352+00

Original Contract Amount:	\$ 4,798,418.20
Change Orders Total:	-\$ 42,287.83
Total Revised Contract Amount:	\$ 4,756,130.37

(Includes Pending Change Orders)
(Assumes Approval of Pending Change Orders)

Change Request No.	PCN No.	Description	Change Type (Field, Design, Spec, Other)	Cost	As-Bid Line Item	Original Cost of Associated Line Item	% of Original Line Item	% of Original Contract	Date	Status	Comments
1	13	Add 2 feet to 8 T-Type Relief Well Manholes.	Field	\$ 7,176.00	N/A	N/A	N/A	0.15%	2/1/2020	Approved	RW-159X, RW-160X, RW-161X, RW-162X, RW-163X, RW-164X, RW-165X, RW-166X.
2	3	New Piezometers, Duckbill Check Valve, and Contract Time Extension	Design, Field, & Other	\$ 170,529.06	N/A	N/A	N/A	3.55%	8/19/2020	Approved	Add 13 piezometers (design change), new check valve (field change), & time extension for high river stage (other change).
3	4	Interior & Exterior 10'x10' Box Culvert Joint Sealants, Removal of 9 Piezometers, and Contract Time Extension	Design, Field, & Other	\$ (97,883.84)	N/A	N/A	N/A	-2.04%	11/9/2020	Approved	Install interior & exterior joint sealants on 10'x10 box culvert joints and dewatering to facilitate installation thereof. Removal of 9 piezometers from change order no. 2. Schedule extension for check valve lead time.
4	11	Contract Time Extension	Other	\$ -	N/A	N/A	N/A	0.00%	2/5/2021	Approved	Time extension (90-days) for critical delays caused by weather (other change)
5	1, 2, 8, 10	Raising discharge of fill area 2 relief wells, Eliminate RW-227A, Descope 36 relief well abandonments, and relief well footage reconciliation	Design & Field	\$ (122,109.05)	N/A	N/A	N/A	-2.54%	2/26/2021	Pending	Adding a total of 20.1-LF of relief well footage for Fill Area 2 Wells (design/field change). Eliminate 75.7-LF of T-Type well for RW-227A (design change), Descope 36 relief well abandonments (design/field change), and relief well footage reconciliation for D/T-Type wells and obstructed drilling (field change).
6	17	Contract Time Extension	Other	\$ -	N/A	N/A	N/A	0.00%	5/6/2021	Pending	Time extension (147-days) for critical delays caused by weather and groundwater conditions (other change)



Memo to: Board of Directors
From: Chuck Ewert
Subject: Budget and Disbursement Reports for July 2021
Date: August 16, 2021

Current Budget Highlights

Attached are the financial statements for July 2021 prepared by our fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the month ending July 31, 2021, as compared to our fiscal year budget.

Accrued expenditures for the fiscal year beginning on October 1, 2020 thru July 31, 2021 were \$19,523,486 while revenues amounted to \$11,416,306 resulting in a deficit of \$8,107,180. A total of \$40,643,736 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 \$1,346,344 for May 2021 were up 39.49% from last year. Receipts for the year are up 35.77% from last year. This makes five consecutive months with the highest receipts ever for each county.

Monthly Disbursements

Attached is the list of bank transactions for July. Total disbursements for July were \$218,779.08, with the largest payment being to Wood and Keller Construction.

Recommendation: Accept the budget and disbursement reports for July 2021.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

TEN MONTHS ENDED JULY 31, 2021 AND 2020



CliftonLarsonAllen

CliftonLarsonAllen LLP
www.cliftonlarsonallen.com

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, 2021 and 2020, in accordance with accounting principles generally accepted in the United States of America. 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 financial statements 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 financial statements.

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

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

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

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

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

The accompanying original and final budget amounts presented on the General Fund Statement of Revenues and Expenditures – Budget and Actual presented for the year ending September 30, 2021 and 2020, 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 3, 2021

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)

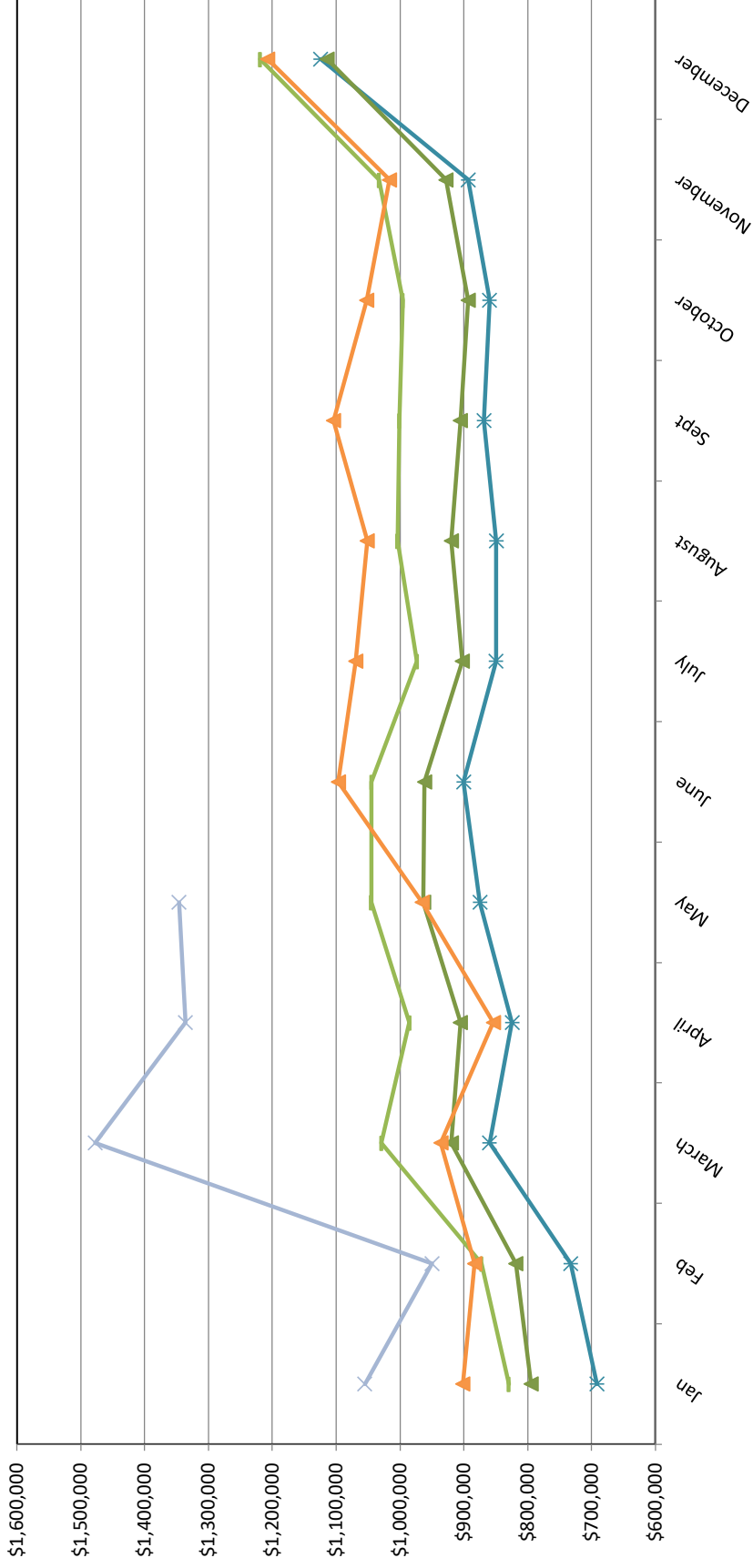
	BUDGET		ACTUAL	VARIANCE WITH
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 9,427,500	\$ 9,427,500	\$ 11,320,328	\$ (1,892,828)
Interest Income	350,000	350,000	95,978	254,022
Other Contributions	-	-	-	-
Total Revenues	<u>9,777,500</u>	<u>9,777,500</u>	<u>11,416,306</u>	<u>(1,638,806)</u>
EXPENDITURES				
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
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
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
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
TEN MONTHS ENDED JULY 31, 2020 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2020 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,455,000	\$ 12,455,000	\$ 9,951,233	\$ 2,503,767
Interest Income	350,000	350,000	744,603	(394,603)
Other Contributions	-	-	-	-
Total Revenues	<u>12,805,000</u>	<u>12,805,000</u>	<u>10,695,836</u>	<u>2,109,164</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	5,250,032	5,250,032	1,575,573	3,674,459
Construction	20,170,000	20,170,000	876,098	19,293,902
Construction and design by US ACE	<u>2,772,851</u>	<u>2,772,851</u>	<u>2,445,961</u>	<u>326,890</u>
Total Design and Construction	28,192,883	28,192,883	4,897,632	23,295,251
Professional Services				
Legal & Legislative Consulting	297,500	297,500	92,789	204,711
Financial Advisor	65,000	65,000	81,826	(16,826)
Debt Issuance Cost	-	-	-	-
Bond Underwriter/Conduit Issuer	<u>12,000</u>	<u>12,000</u>	<u>8,719</u>	<u>3,281</u>
Total Professional Services	374,500	374,500	183,334	191,166
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,005,800	1,005,800	1,082,327	(76,527)
Monroe County	95,700	95,700	103,126	(7,426)
St. Clair County	<u>898,500</u>	<u>898,500</u>	<u>976,096</u>	<u>(77,596)</u>
Total Refund of Surplus Funds to County	2,000,000	2,000,000	2,161,549	(161,549)
Debt Service				
Principal and Interest	10,949,970	10,949,970	9,956,798	993,172
Federal Interest Subsidy	<u>(853,711)</u>	<u>(853,711)</u>	<u>(259,311)</u>	<u>(594,400)</u>
Total Debt Service	10,096,259	10,096,259	9,697,487	398,772
Total Operating Expenses	40,663,642	40,663,642	16,940,002	23,723,640
General and Administrative Costs				
Salaries, Benefits	220,000	220,000	172,921	47,079
Bank Service Charges	1,000	1,000	726	274
Equipment and Software	2,000	2,000	697	1,303
Fiscal Agency Services	34,000	34,000	28,105	5,895
Audit Services	17,000	17,000	17,000	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	1,000	1,000	562	438
Printing/Photocopies	2,000	2,000	1,001	999
Professional Services	-	-	-	-
Publications/Dues	-	-	30	(30)
Supplies	3,000	3,000	257	2,743
Telecommunications/Internet	3,000	3,000	1,947	1,053
Travel	5,000	5,000	412	4,588
Insurance	<u>1,000</u>	<u>1,000</u>	<u>484</u>	<u>516</u>
Total General & Administrative Costs	290,000	290,000	224,142	65,858
Total Expenditures	40,953,642	40,953,642	17,164,144	23,789,498
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES				
	(28,148,642)	(28,148,642)	(6,468,308)	21,680,334
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	71,676,031	(71,676,031)
Debt Issuance Costs	-	-	(367,262)	367,262
OTHER FINANCING USES				
Payments to refunded bond escrow agent	-	-	(71,308,769)	71,308,769
NET CHANGE IN FUND BALANCE	<u>\$ (28,148,642)</u>	<u>\$ (28,148,642)</u>	<u>\$ (6,468,308)</u>	<u>\$ 20,945,810</u>

Flood Prevention District Sales Tax Trends 2009-2021

Monthly Receipts 2009-2013-2017-2020-2021



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
July 31, 2021**

Beginning Bank Balance as of July 1, 2021				\$ 1,218,925.15
Receipts				
Busey Bank	07/30/2021	Interest	230.25	
				\$ 230.25
Disbursements				
Wood Environmental	07/06/2021	Construction	134,998.91	
Sprague & Urban, Attorneys at Law	07/15/2021	Legal	1,425.00	
AT&T	07/13/2021	Telephone/Tablet	26.17	
Wood River Drainage	07/20/2021	Easement & Legal Acquisition	1,275.00	
Scheffel Boyle	07/15/2021	Audit	17,500.00	
Phillip L. Johnson	07/15/2021	Design & Construction	11,700.00	
CliftonLarsonAllen LLP	07/22/2021	Fiscal Agent	1,290.00	
UMB Bank	07/20/2021	Bonds	1,674.80	
East-West Gateway Council of Governments	07/23/2021	Supervisor Mgmt Services	18,996.85	
Keller Construction Inc.	07/12/2021	Construction	27,012.31	
Columbia Capital	07/27/2021	Financial Advisor	900.00	
Cost Less Copy Center	07/20/2021	Printing/Copying	196.80	
UMB Bank	07/15/2021	Bonds	1,754.30	
AT&T	07/13/2021	Telephone	5.19	
United States Postal Service	07/19/2021	Postage	7.70	
Busey Bank	07/31/2021	Bank Fee	16.05	
				\$ 218,779.08
				\$ 1,000,376.32



Memo to: Board of Directors
From: Chuck Ewert
Subject: Design and Construction Update
Date: August 16, 2021

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

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



Progress Report August 18, 2021

Southwestern Illinois Levee Systems

By Jay Martin

woodplc.com



Authorized Level (~500-Year) Design

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

- Bid Package 8
 - **USACE has bid the project**
 - **USACE bids are due today (Aug 18)**
 - **Construction anticipated to start late this year**
 - **Wood will be on-call for questions during construction**
- Bid Packages 9 & 10
 - Because cost share requirements will have been met, these packages are not anticipated to be designed/constructed by FPD Council at this time.



Authorized Level (~500-Year) Design

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

- Bid Packages 11
 - Currently being designed
 - **Submitted to USACE for ATR Review on June 28.**
 - **USACE is still resolving 95% DQC Comments on their end.**
 - **ATR will begin after DQC Comments are finished**
 - **Award shifts from Nov 2021 to (at least) Jan 2022.**
- Bid Package 12
 - Being Designed/Constructed by USACE
 - Land acquisition is underway

3

A presentation by Wood.



Authorized Level (~500-Year) Design

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

- Bid Package 14A
 - Construction is complete
 - Closeout documentation is underway
- Bid Package 14B
 - Filter Blanket Under I-70 Bridge
 - Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete
 - ROW Acquisition is underway

4

A presentation by Wood.



Authorized Level (~500-Year) Design

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

- Bid Package 18
 - Construction is nearly complete
 - All flood control features are installed and operational
 - Substantial Completion Meeting was held 7/13/21
 - **Dewatering to start soon to complete remaining work**
- Bid Package 18A
 - Pump Station Work in Cahokia, IL
 - Scope is being developed and will be coordinated with USACE.

5

A presentation by Wood.



Authorized Level (~500-Year) Design

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

- Still working with USACE to validate solutions.
- 100% FPD Council funded design and construction (No Federal match)
- Updating Bid Package Extents and schedules
- Environmental permitting coordination with USACE is underway.
- Drilling started on July 6th
- **Drilling completed on July 29th**
- **Lab Work is ongoing, estimated complete by Oct.**
- **Phase III Drilling Plan is being Prepared**

6

A presentation by Wood.



wood.

woodplc.com



Memo to: Board of Directors
From: Chuck Etwert
Subject: FY 2022 Annual Budget
Date: August 16, 2021

By law, the Council's budget must be adopted by August 31 of each year for the fiscal year beginning October 1. The budget must be submitted to the county boards for approval after which they have 30 days to act on it. A draft budget was presented to the Board of Directors at the July Meeting.

In FY 2021, letters of accreditation were received for the Wood River Upper, Wood River Lower, and the Wood River East/West Forks Levee Systems, joining the Prairie Du Pont/Fish Lake Levee Systems which received continued accreditation in FY 2020.

FEMA has been contacted regarding the East St. Louis/MESD Levee System, which FEMA accepted as structurally sound on April 29, 2019, to see what levee stakeholders and impacted communities need to do for a letter of accreditation to be issued. In April, the FPD Council offered to assist FEMA, by contacting and encouraging the involved entities to provide to FEMA the additional documentation needed to obtain a letter of accreditation. A meeting is being scheduled for late August.

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 March/July 2019) and have successfully performed as designed and protected the Metro East area.

The FY 2022 budget focuses on the continued design of Authorized Level projects and the construction of Bid Package #11.

The recommended FY 2022 budget is shown in Table 1, and is the same as presented in July

All key assumptions presented with the draft budget last month remain the same. The budget assumes a 10 % increase in receipts for FY 2022, based on the higher receipts received the last five months.

Key assumptions are:

1. FEMA will issue a letter of accreditation for the East St. Louis/MESD Levee System in FY 2022.
2. The level of Council staffing does not change in FY 2022, 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 10% over the amount collected the last twelve months. Interest income has been reduced based on lower fund balances as funds are utilized.
6. Funding for Corps of Engineers' for oversight on the Prairie Du Pont/Fish Lake design and construction 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 April 2023 and October 2023. There is currently \$40,643,736 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 2022 annual budget for the Council and authorize the Chief Supervisor to submit it to the Boards of Madison, Monroe, and t. Clair Counties as presented.

Table 1

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL

BUDGET

OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022

	ACTUAL EXPENDITURES OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	ADOPTED BUDGET OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	PROJECTED EXPENDITURES OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021	PROPOSED BUDGET OCTOBER 1, 2021 THRU SEPTEMBER 30, 2022
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,013,067	\$ 9,427,500	13,400,000	\$ 14,000,000
Interest Income	795,165	350,000	71,622	50,000
Other Contributions			-	-
Total Revenues	\$ 12,808,232	\$ 9,777,500	\$ 13,471,622	\$ 14,050,000
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	2,029,271	5,719,065	2,875,000	5,198,000
Construction	1,434,927	15,258,467	5,026,902	12,601,700
USACE Authorized Level Costs	2,445,961	500,000	-	500,000
Total Design and Construction	\$ 5,910,159	\$ 21,477,532	\$ 7,901,902	\$ 18,299,700
Professional Services				
Legal & Legislative Consulting	106,195	240,000	50,600	190,000
Financial Advisor	84,239	65,000	23,400	65,000
Bond Trustee Fee	12,179	12,000	12,000	12,000
Total Professional Services	\$ 202,613	\$ 317,000	\$ 86,000	\$ 267,000
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	\$ 2,161,549	\$ 1,000,000	\$ 3,559,997	\$ 1,000,000
Debt Service				
Principal and Interest	9,956,798	9,393,082	9,393,081	9,474,781
Federal Interest Subsidy	(259,311)	-	-	-
Total Debt Service	\$ 9,697,487	\$ 9,393,082	\$ 9,393,081	\$ 9,474,781
Total Design & Construction Expenses	\$ 17,971,808	\$ 32,187,614	\$ 20,940,980	\$ 29,041,481
General and Administrative Costs				
Salaries, Benefits	210,136	233,000	234,076	240,000
Bank Service Charges	818	1,000	683	1,000
Equipment and Software	968	2,000	1,232	2,000
Fiscal Agency Services	33,085	35,000	33,145	37,000
Audit Services	17,000	18,000	17,500	19,000
Meeting Expenses	127	1,000	276	1,000
Postage/Delivery	846	1,000	1,004	1,000
Printing/Photocopies	1,502	2,000	1,882	2,000
Professional Services	60	10,000	-	10,000
Supplies	402	3,000	922	3,000
Telecommunications/Internet	2,934	3,000	2,878	3,000
Travel	412	5,000	355	5,000
Insurance	484	1,000	516	1,000
Total General & Administrative Costs	268,774	315,000	294,469	325,000
Total Expenditures	18,240,582	32,502,614	21,235,449	29,366,481
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(5,432,350)	\$ (22,725,114)	\$ (7,763,827)	\$ (15,316,481)
OTHER FINANCING SOURCES				
Proceeds From Borrowing	(367,262)	-	-	-
NET CHANGE IN FUND BALANCE	\$ (5,799,612)	\$ (22,725,114)	\$ (7,763,827)	\$ (15,316,481)
PROJECTED FUND BALANCE SEPTEMBER 30, 2021				\$ 58,604,728
PROJECTED FUND BALANCE SEPTEMBER 30, 2022				\$ 43,288,247



Memo to: Board of Directors

From: Chuck Etwert

Subject: Annual Report

Date: August 16, 2021

Attached is the Annual Report for FY 2021. 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 2021 Annual Report to the county boards of St. Clair, Madison, and Monroe counties.

Southwestern Illinois Flood Prevention District Council

Annual Report 2020-2021



August 18, 2021

August 18, 2021

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

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

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

Chairmen Elmore, Kern, and Prenzler:

Transmitted herewith is the 2020-2021 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).

The Council has adopted two primary goals: to assure accreditation by the Federal Emergency Management Agency (FEMA) of area levee systems (limiting any economic damage to the region during the period during which accreditation is being sought) and achieving the Authorized Level of Protection to the extent possible with the funds available. The Council continued to make progress toward achieving both goals during the last year.

We will enter FY 2022 with FEMA accreditation being achieved for the Prairie Du Pont Levee and Drainage District & Fish Lake Drainage and Levee System, the Wood River East & West Fork Levee System, the Lower Wood River Levee System, and the Upper Wood River Levee System.

The Council is currently working with FEMA regarding accreditation of the East

Louis/MESD Levee System, which was deemed as structurally sound by FEMA on April 29, 2019, with the intent of achieving accreditation in FY 2022. All accreditations were achieved using only revenue from the dedicated FPD sales tax.

The intent is to work closely with FEMA to ensure the new maps reflect the 100-Year improvements. The Council now anticipates FEMA issuing new maps in 2022 or 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 future Work In-Kind Credit.

Amended Project Partnership Agreements for the Design Deficiency Corrections for East St. Louis, Illinois Flood Protection Project and the Wood River Levee Systems have been executed, allowing for the utilization of \$12,415,405.70 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 Work In-Kind Credit will be submitted as work is completed.

The Council's FY 2022 budget focuses on the continued design of Authorized Level projects, and the start of construction on Authorized Level Bid Package #11.

The March/July 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 two years. This follows three major flood events in the previous four years.

The projected twenty-five percent reduction in the Council's sales tax receipts due to COVID-19 did not occur. Receipts for FY 2021 appear to be on the positive side with an increase over FY 2020 receipts projected to be greater than ten percent. Future sales tax revenues will determine the ability to issue additional bonds generating more funds or the ability to utilize a pay-as-u-go approach to satisfy the current projected fund shortage of just over nine million dollars.

After all funds held by the Council (\$18,829,215) 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 April 2023 and October 2023. There is currently \$40,643,736 in the County sales tax funds.

In summary, I am pleased to report on behalf of our Board of Directors, 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. Etwert". The signature is fluid and cursive, with the first name "Charles" being the most prominent.

Charles M. Etwert
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 75 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 2020-2021 towards 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.

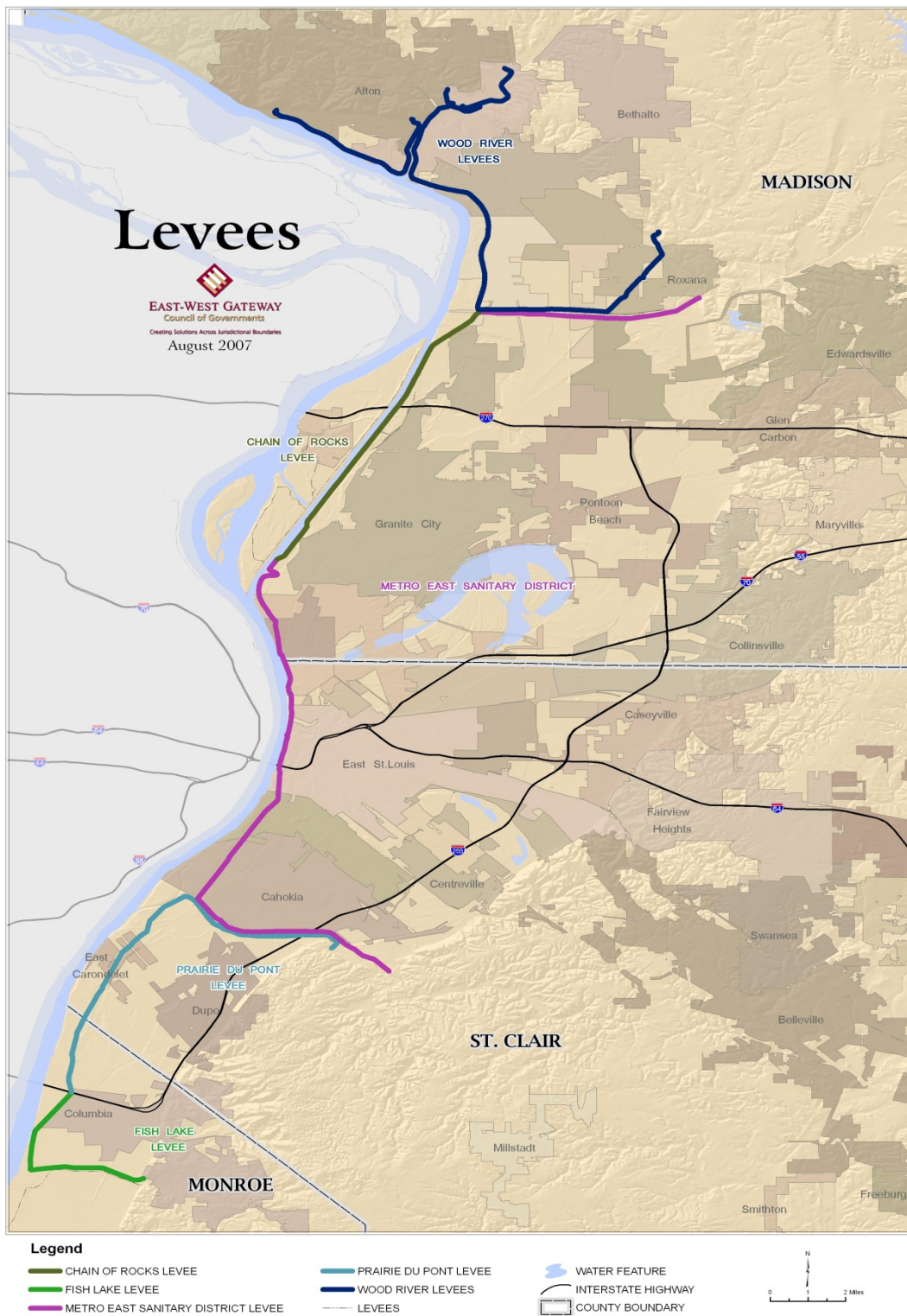
II. Background

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 76 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% 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 thirteen million dollars in 2021.

III. FPD Council Activities

The following describes the work of the Council over its twelve-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 acceptance of the MESD Levee System as structurally sound in April 2019.
- 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

The Council’s general goals have been to:

- assure compliance with FEMA accreditation standards with currently available revenue sources by late 2021 (originally projected at the end of 2015), but extended due to obtainment of easements, several high river stage events, construction alternatives & additions, construction delays, and lengthy reviews by multiple agencies); and
- build as many 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 agency’s continuing efforts to overturn that decision, every effort is being made to remove all doubt about 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 system. 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 Proposed 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.

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 Work In-Kind 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 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 effect 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, confirm the need for the work the Council completed for the 100-Year accreditation and will complete for the 500-Year Authorized Level.

Last year another significant event, COVID-19 Pandemic, occurred and changed the way the Council met. Fortunately, COVID didn't affect the sales tax revenues which funds the Council's projects. Instead of a projected twenty-five percent reduction, the Council revenues will increase by ten percent for 2021.

Current design and construction for FY 2022 includes 1) the Council implementing construction of MESD Bid Package #11, 2) Wood designing MESD Bid Packages #14B & #14C, and 3) Wood completing the design of a portion of the Prairie DuPont/Fish Lake Bid Packages #15/16/17.

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. The Council remains committed to achieving total accreditation in FY 2022. With the continued support of the area's leadership and cooperation from the Corps of Engineers and FEMA, the Council will be able to meet any remaining challenges to completion of the 100-Year Accreditation Project and make great strides towards achieving 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
- March/July – 100-Year Flood Event on Mississippi River, Second Highest Ever 46.02 FT., Lasting a Record 126 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

Total FEMA Accreditation Achieved FY 2022

- Authorized Level Projects Design Continues
- Authorized Level Projects Construction Continues

IV. Financing and Budget

Revenue from a dedicated sales tax is used to support the Council's ongoing design and construction activities. Sales tax revenue showed substantial growth 2009 thru 2011 coming out of the recession. Growth was slowed in 2012, declined in 2013, but reached new highs in 2014 thru 2018. In May 2019, the Illinois Department of Revenue's audit department approved a large claim for a credit to a taxpayer in Madison County for taxes paid in February. This resulted in taxes collected in 2019 being slightly lower than in 2018, falling from \$12,348,606 to \$12,266,878. (See Figure 3, which reflects monthly receipts for various years).

Based on the total amount of sales tax collected in 2018 and 2019, the average annual percent increase for 2018 and 2019 was approximately 1.52%, much lower than the annual increase of 4.16% in 2017. With the COVID-19 Pandemic, a twenty-five percent decrease in sales tax receipts was anticipated in 2020. Fortunately, the decrease was only slightly over one percent. Receipts are expected to increase by ten percent in 2021.

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, 2020, prepared by Scheffel Boyle.

Figure 3

Flood Prevention District Sales Tax Trends 2009-2020

Monthly Receipts 2009-2013-2017-2019-2020



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, 2020**

REVENUES:	
District Sales Tax	\$ 12,068,248
Less: Return of Excess Sales Tax to Districts	(3,527,145)
Reimbursement – East St. Louis	76,890
Interest Income	<u>782,444</u>
Total Revenues	\$ <u>9,400,437</u>
EXPENDITURES:	
Current:	
General and Administrative	\$ 271,003
Design and Construction	7,876,789
Professional Services	191,188
Debt Service:	
Principal	73,480,000
Interest	7,785,567
Bond Issuance Costa	367,262
Less: Federal Interest Subsidy	(259,311)
Total Expenditures	\$ <u>89,712,498</u>
DEFICIENCY OF REVENUES OVER EXPENDITURES	\$ (80,312,061)
OTHER FINANCING SOURCES (USES):	
Refunding Bond Issuance, Par Value	\$ 60,970,000
Refunding Bond Discount	(211,497)
Refunding Bond Premium	10,917,528
Total Other Financing Sources (Uses)	\$ <u>71,676,031</u>
NET CHANGE IN FUND BALANCE	\$ (8,636,030)
FUND BALANCE:	
Beginning of Year	\$ 49,150,261
End of Year	<u>\$ 40,514,231</u>

Table 2 provides project expenditures for design, construction management, and construction proposed in FY 2022.

Table 3 compares the Estimated Authorized Level Funding Needed for FY 2022 thru FY 2024 to the Estimated Available Authorized Level Funding FY 2022 thru FY 2024, indicating an anticipated funding shortage slightly over nine million dollars. Possible issuance of a third bond issue or pay-as-u-go funding could cover this shortage.

Table 2
Estimated Project Expenditures 10.1.2021 -9.30.2022

Design & Construction Management	FY 2022
Engineering Design	
<i>W. O. #1 Program Mgmt.</i>	\$150,000
<i>W. O. #3 Preconstruction Activities</i>	\$30,000
<i>W. O. #3 Flood Activities</i>	\$25,000
Authorized Level Work Orders	
<i>W.O. #13 Wood River Field & Design BP #8, BP #9, & BP #10</i>	\$200,000
<i>W.O. #14 MESD Field & Design</i>	\$500,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field & Design</i>	\$3,000,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>	\$200,000
<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
Construction Management.	
<i>W. O. #? Construction Management BP #14, BP #15/16/17 & BP#18</i>	\$900,000
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.	\$5,198,000
Construction	
<i>Bid Package #11 - MESD</i>	\$7,047,000
<i>Contingency (10% FPD Construction)</i>	\$704,700
<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
TOTAL CONSTRUCTION	\$13,101,700
TOTAL ENGINEERING DESIGN & CONSTRUCTION	\$18,299,700
REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS	\$1,000,000

Operations & Financing	
<i>General & Administrative</i>	\$325,000
<i>Debt Service</i>	\$9,474,781
<i>Professional Services</i>	
<i>Legal</i>	\$190,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
TOTAL OPERATIONS	\$10,066,781
TOTAL EXPENSES	\$29,366,481

Table 3

Estimated Authorized Level Funding Needed FY 2022 to FY2024

<i>Bid Package #11- MESD</i>	\$8,100,000
<i>Bid Package #14B- MESD</i>	\$3,000,000
<i>Bid Package #14C- MESD</i>	\$6,000,000
<i>Bid Package #18A- MESD</i>	\$4,000,000
<i>Bid Package #9 - WOOD RIVER</i>	\$2,000,000
<i>Bid Package #15 - PDP/FL</i>	\$17,115,000
<i>Bid Package #16 - PDP/FL</i>	\$7,140,000
<i>Bid Package #17 - PDP/FL</i>	\$9,828,000
<i>Engineering Design & Construction Management</i>	\$13,478,074
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$15,020,375
<i>General & Administrative and Professional Services</i>	\$1,881,000
CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED	\$87,562,449

Estimated Available Authorized Level Funding FY2022 to FY2024

<i>Cash & 2015 Bond Project Funds (9/30/2021)</i>	\$26,478,729
<i>County FPD Tax Funds (9/30/2021)</i>	\$40,643,736
<i>Additional Sales Tax Revenue After Debt Service</i>	\$15,157,946
<i>Interest</i>	\$98,000
Available Funding	\$82,378,411
Current Estimated Shortage FY2022-FY2024	\$5,184,038
FY2025 Costs	\$3,939,929
Estimated Total Shortage	\$9,123,967

V. FEMA Certification Construction Costs

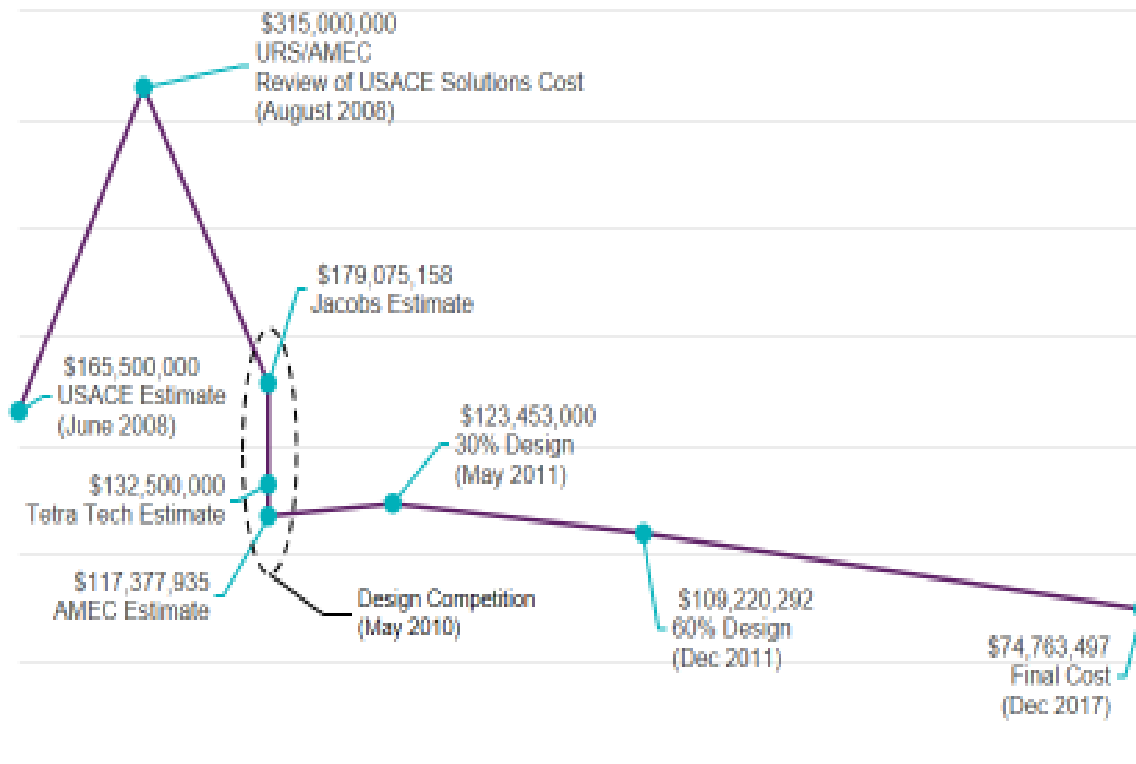
Southwestern Illinois Flood Prevention District Council FEMA Certification Levee Improvement Projects

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
		TOTAL	\$74,763,497.18

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

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 8: Includes the design and construction of a new 15,000-gpm pump station at Canal Road, approximately 22 relief wells, conveyance systems, and grading work. This package spans the Lower Wood River Levee from station 431+00 to 455+00. The Corps of Engineers has requested that the Corps build this bid package. Currently, Wood has completed the design. The Council has acquired all necessary real estate. The Corps advertised this project in July 2021.

Estimated Construction Cost \$ 6,000,000.

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. Bid package 9, if needed to satisfy the 35% non-federal sponsor local cost share, will be a relief well abandonment package.

Estimated Construction Cost \$2,000,000 (+/- as needed to satisfy cost share)

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 50 relief wells, abandonment of old wood stave 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 \$ 8,100,000

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 2021). Land acquisition from the Wiggins Ferry Company is underway.

Estimated Construction Cost \$ 3,000,000

Bid Package 14C: Spans the MESD Levee from station 41+00 to 244+00 and includes the design and construction of underseepage berms. This bid package will be completed contingent on remaining funds within the MESD project. It is anticipated to be advertised for bid after Bid Packages 11 and 18A.

Estimated Construction Cost \$ 6,000,000

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 2022.

Estimated Construction Cost \$ 4,000,000

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. Subsurface investigations for this project are underway and design has recently begun. The project is estimated to be awarded in late 2022.

Estimated Construction Cost \$ 17,115,000.

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. This package is currently on hold pending necessary subsurface investigations scheduled for Winter 2021/2022.

Estimated Construction Cost \$ 7,140,000

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. This package is currently on hold pending necessary subsurface investigations scheduled for Winter 2021/2022.

Estimated Construction Cost \$ 9,828,000

VII. Authorized Level Construction

Southwestern Illinois Flood Prevention District Council Authorized Level Under Construction or 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	\$4,756,130.37*

		TOTAL	\$5,706,877.23
--	--	--------------	-----------------------

- 92% Complete as of 6/30/2021

VIII. FEMA Certification and Mapping

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 is currently awarding a contract for Reach 1 Relief Wells and will award a contract for Reach 2 Relief Wells in June 2022. 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

MESD Levee System

Corps of Engineers submitted to FEMA on August 31, 2018

FEMA accepts MESD Levee System as structurally sound on April 29, 2019.

Council is currently working with the FEMA regarding the additional documentation needed to obtain a letter of accreditation.

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 levee improvements. It is currently anticipated that FEMA will be issuing new maps in 2022 or 2023.

IX. Work In-Kind Credit

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 future Work In-Kind Credit.

This is an elaborate and multi tasked process, taking up to two years before a project is guaranteed to be eligible for Work In-Kind 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 for Work In-Kind Credit prior to the execution of an amended Project Partnership Agreement. The credit is only good towards the non-Federal contribution of funds for a project, and it 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 \$12,415,405 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.

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 will be completed in 2021.

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

Much progress has been made in the twelve 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 conceiving 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:

- Achieve total FEMA certification in FY 2022
- 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
- Secure the additional funding to complete the Authorized Level of Protection Projects

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.

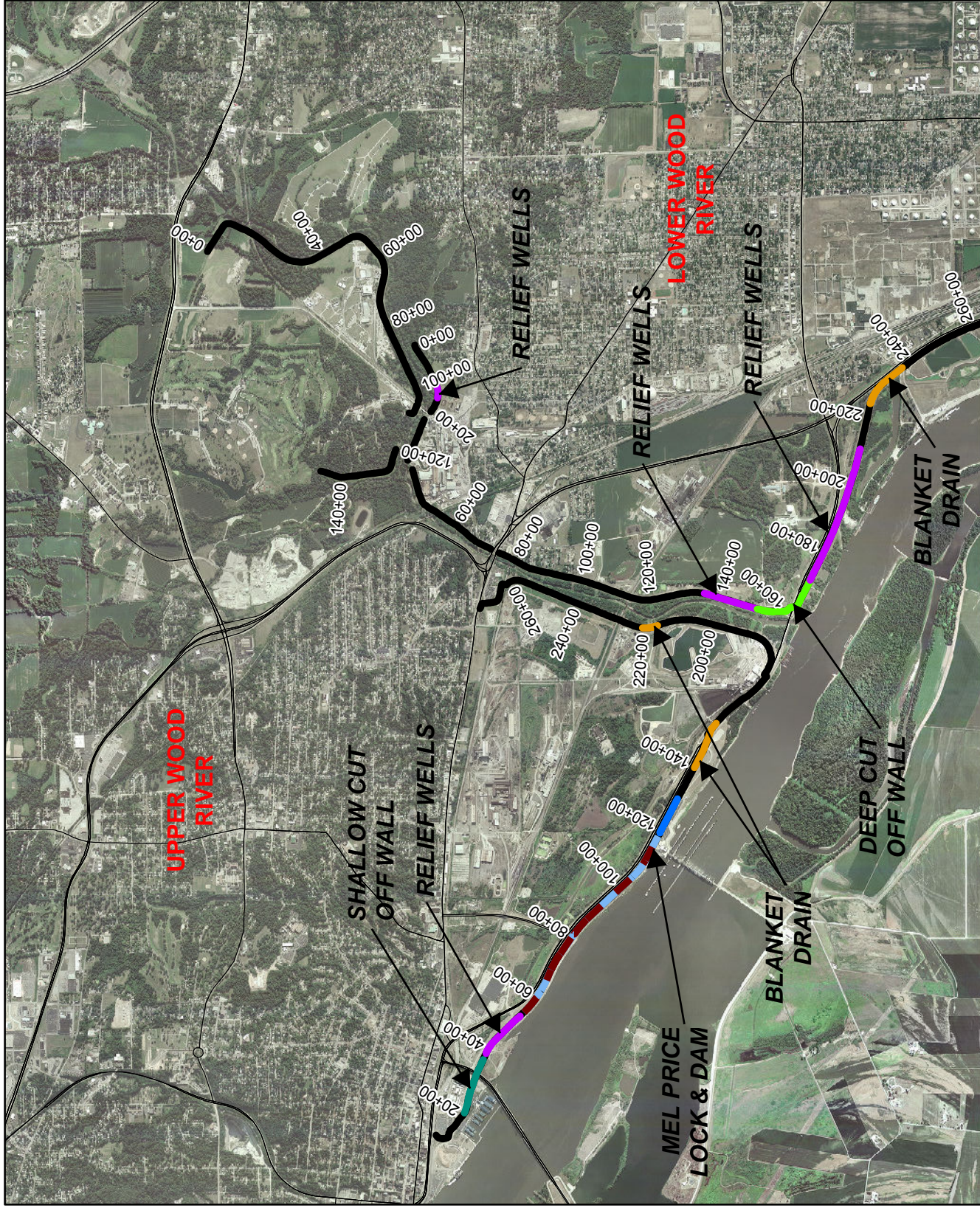
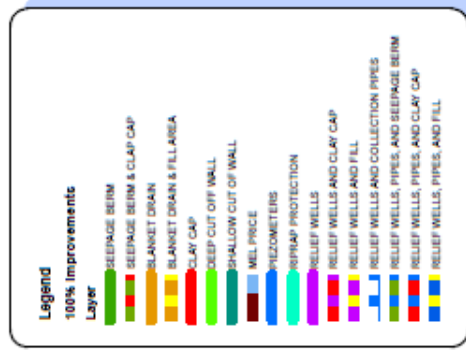
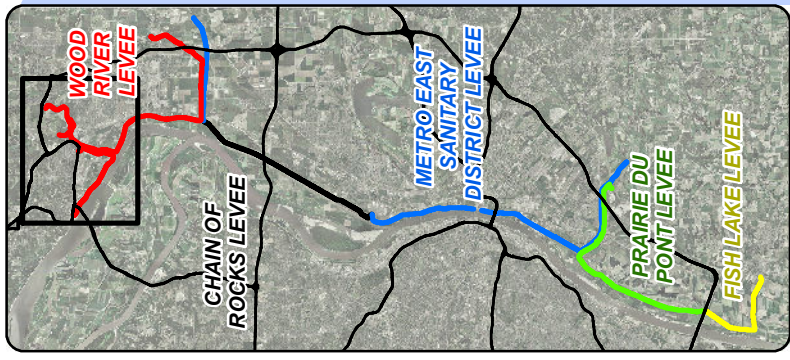
The March/July 100-Year flood event (the second highest event on record at 46.02 ft., and the longest flood event on record at 126 days), tested the seventy-five million dollars of flood protection improvements the Council has built. However, all improvements performed as designed and the Metro East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

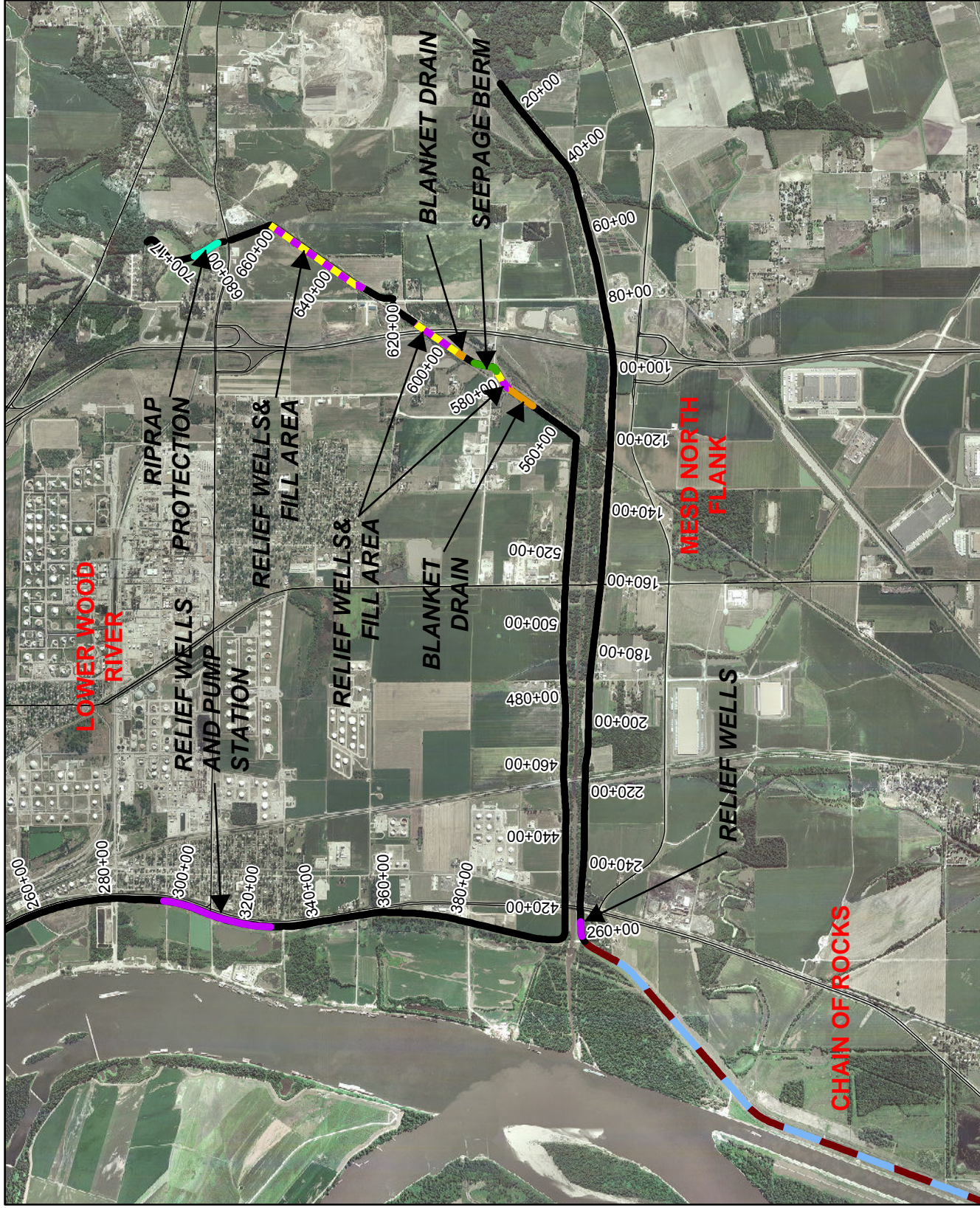
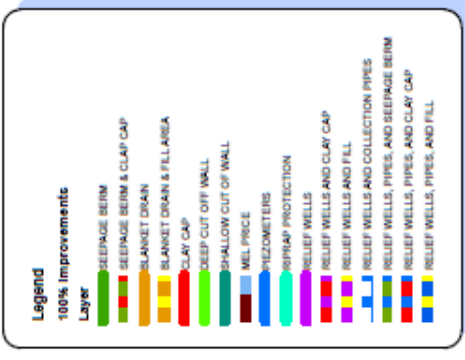
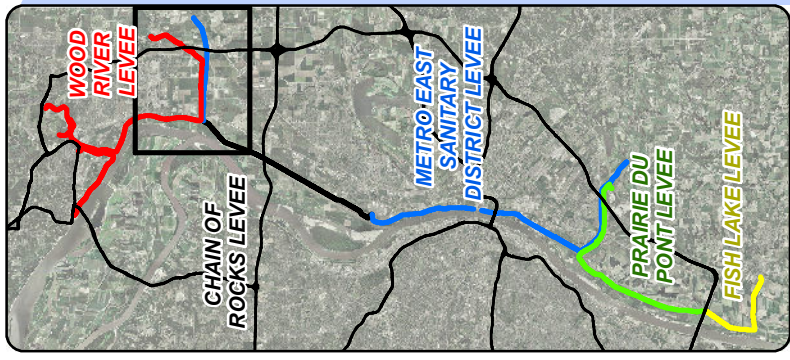
Three record flood events, in the last six years, confirm the need for the work the Council completed for the 100-Year accreditation and will ultimately complete for the 500-Year Authorized Level of Protection.

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

Appendix I

FEMA Certification Levee System Improvements



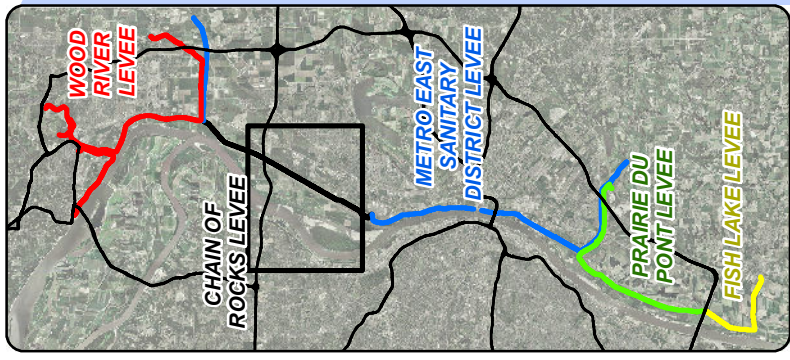
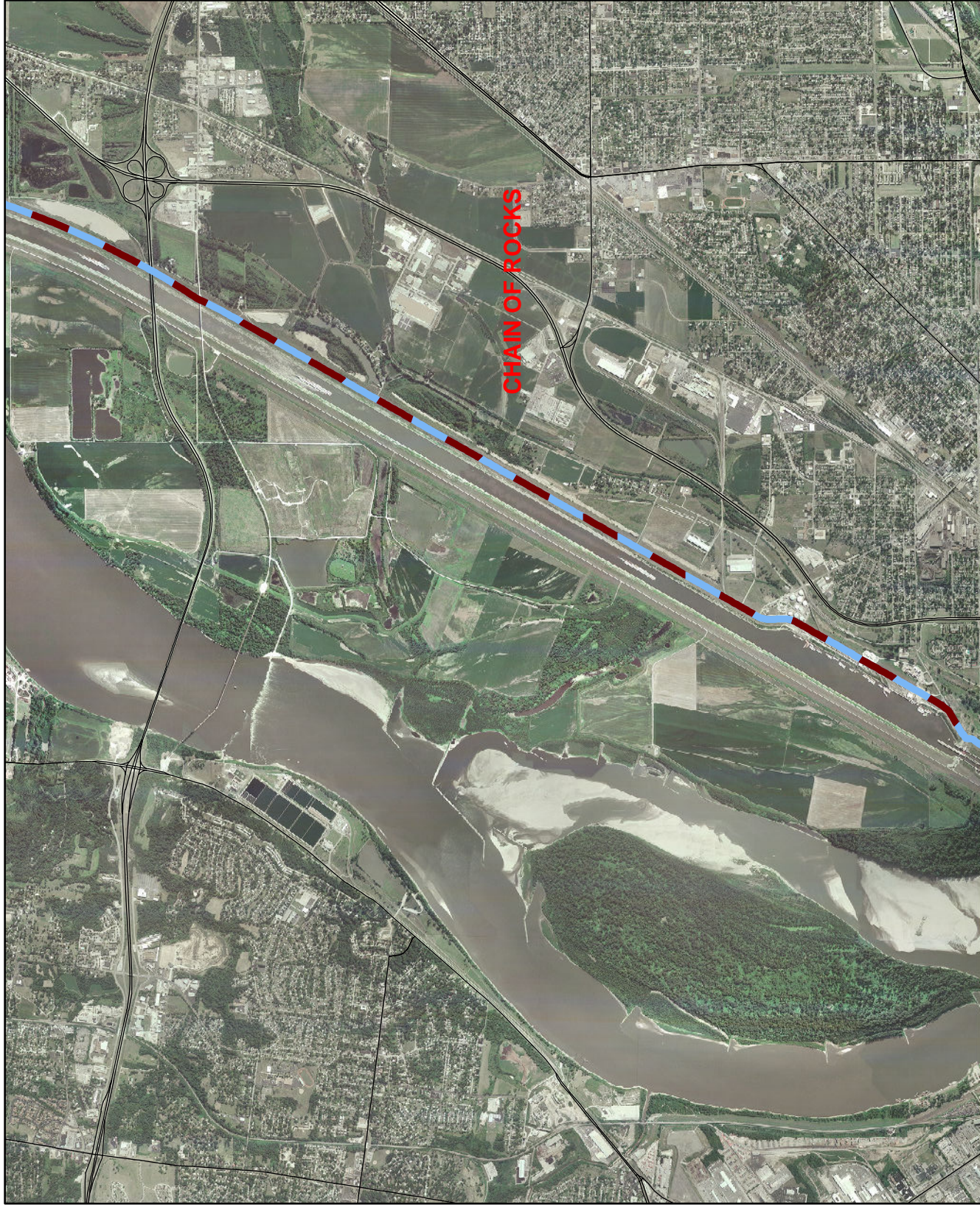


15933 CLAYTON ROAD, SUITE 215
BALLWIN, MO 63011

FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

WOOD RIVER (WR) & METRO EAST SANITARY DISTRICT (MESSD) LEVEES

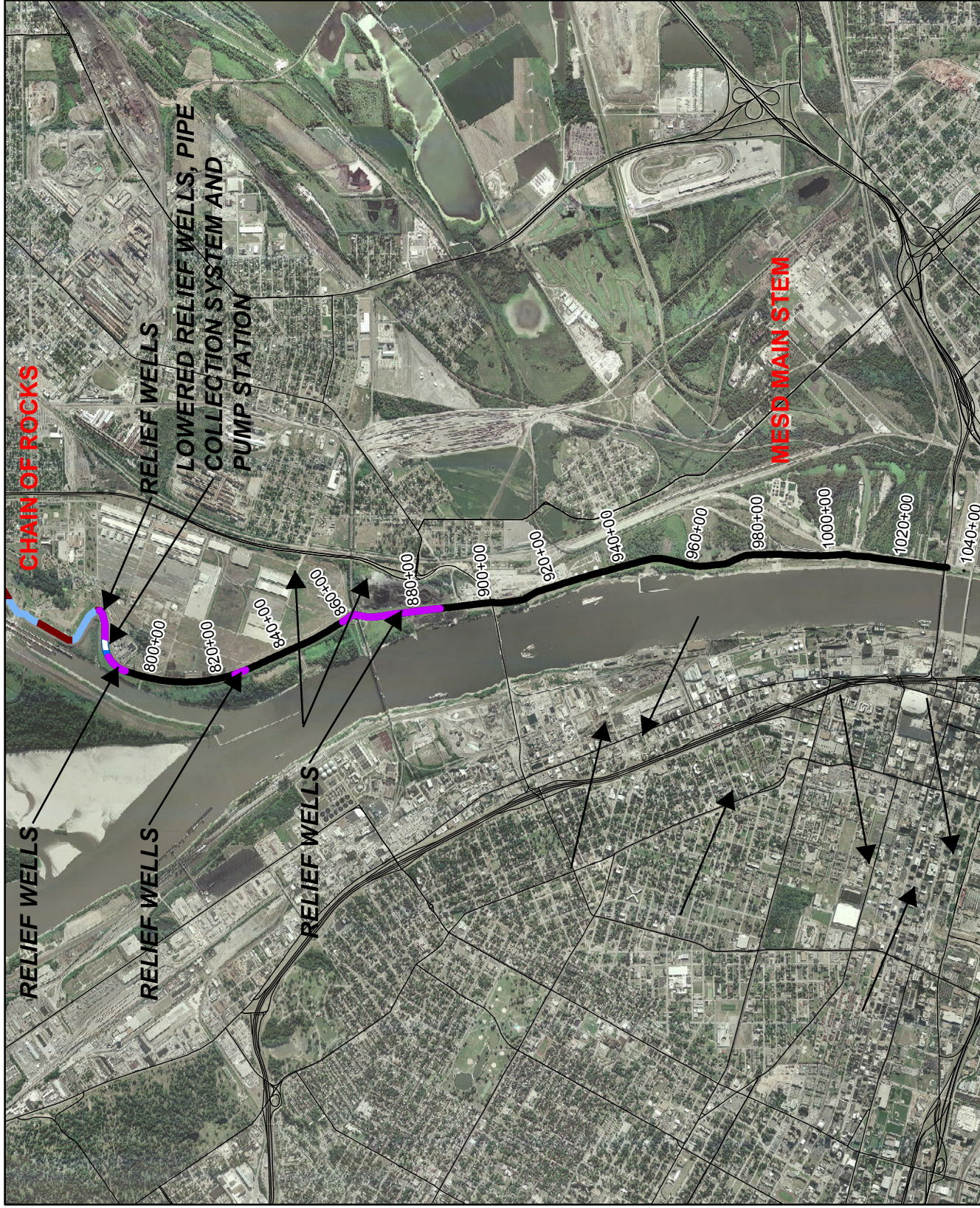
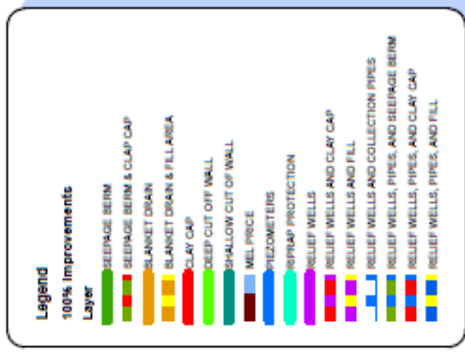
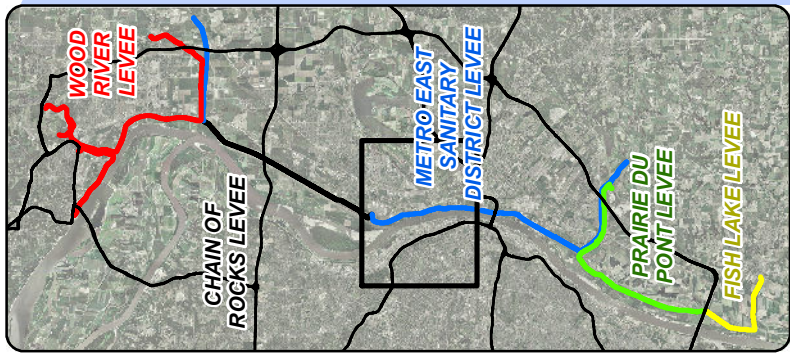


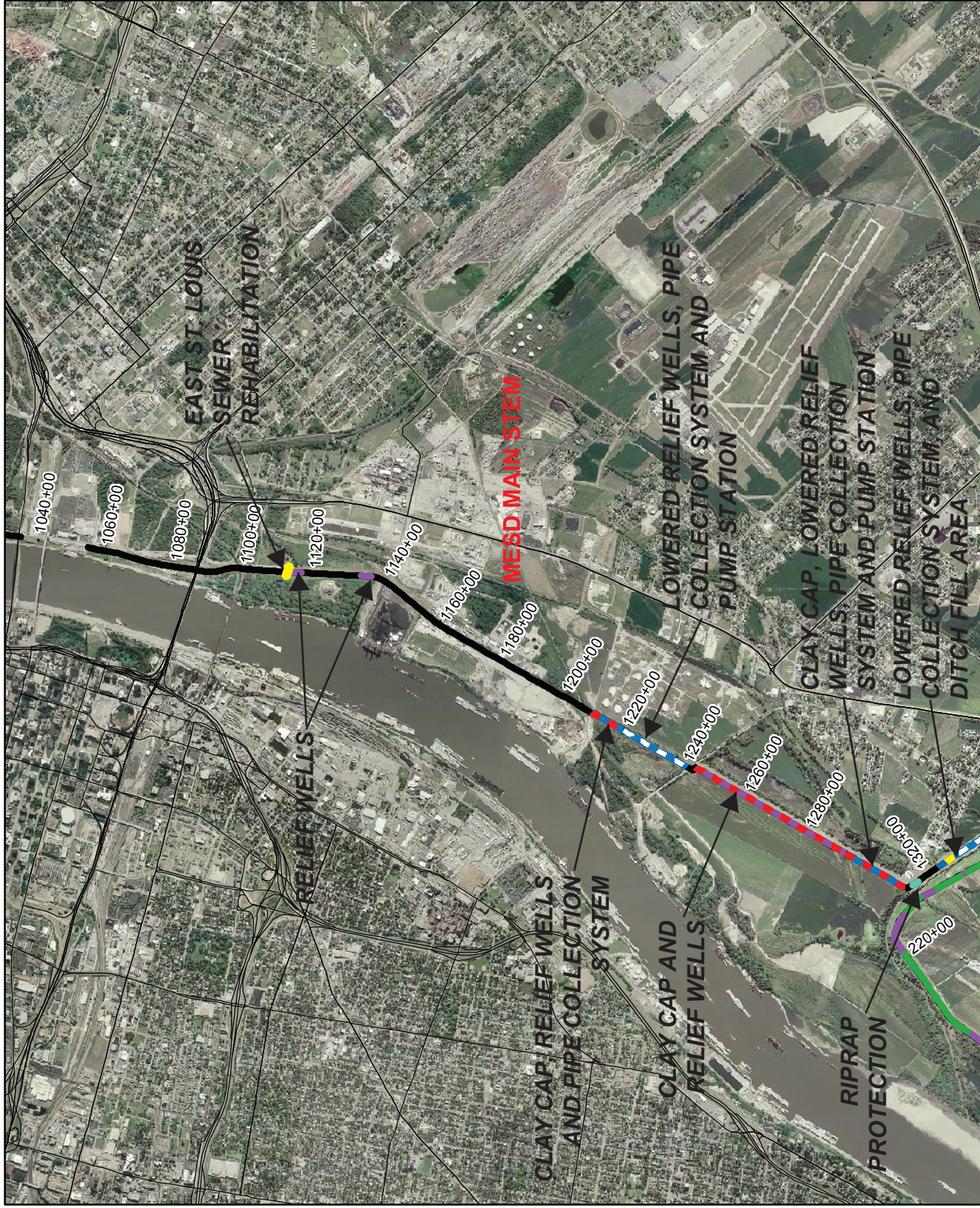
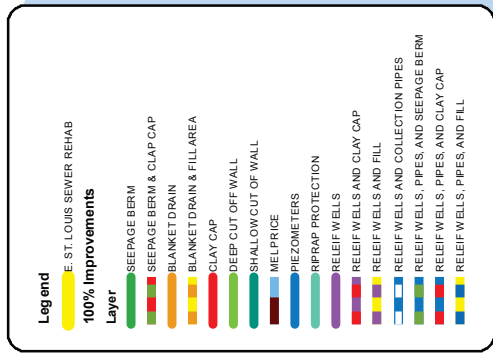
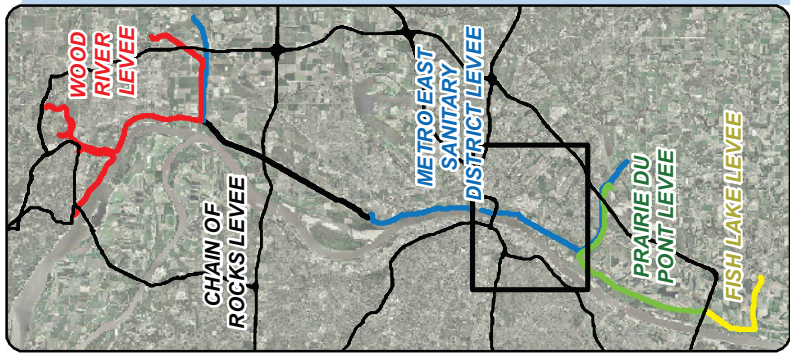


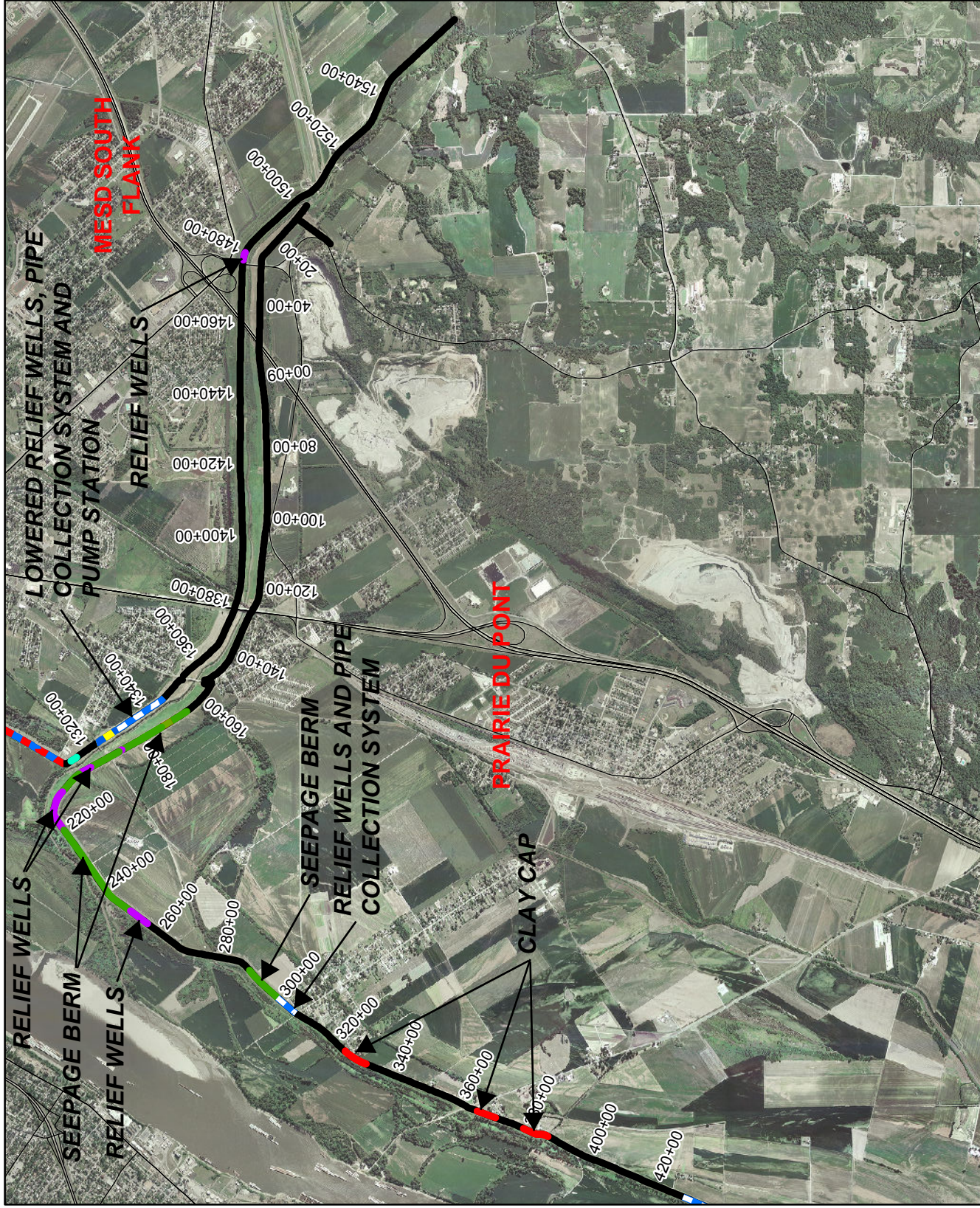
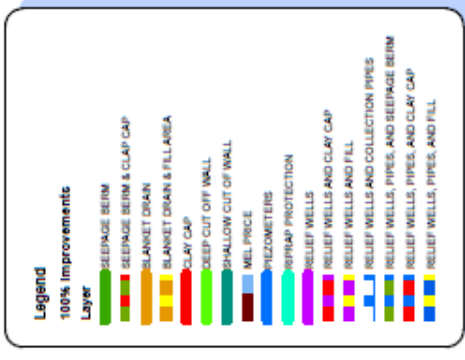
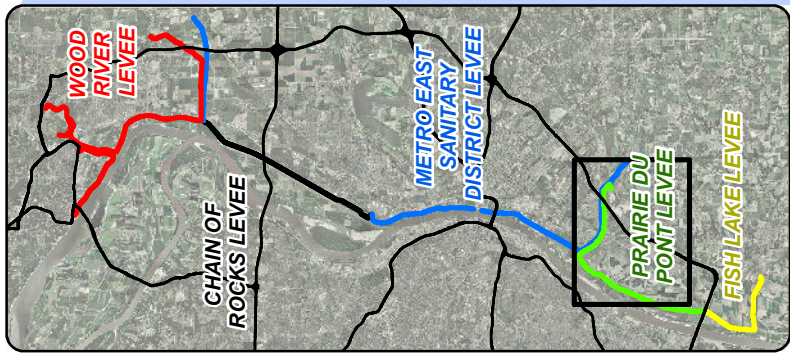
Legend

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
Dark Green	WEL PRICE
Light Purple	PIEZOMETERS
Light Cyan	SEEPAGE PROTECTION
Light Yellow	RELIEF WELLS
Light Blue	RELIEF WELLS AND CLAY CAP
Light Green	RELIEF WELLS AND FILL
Light Yellow	RELIEF WELLS AND COLLECTION PIPES
Light Blue	RELIEF WELLS, PIPES, AND SEEPAGE BEHM
Light Green	RELIEF WELLS, PIPES, AND CLAY CAP
Light Yellow	RELIEF WELLS, PIPES, AND FILL

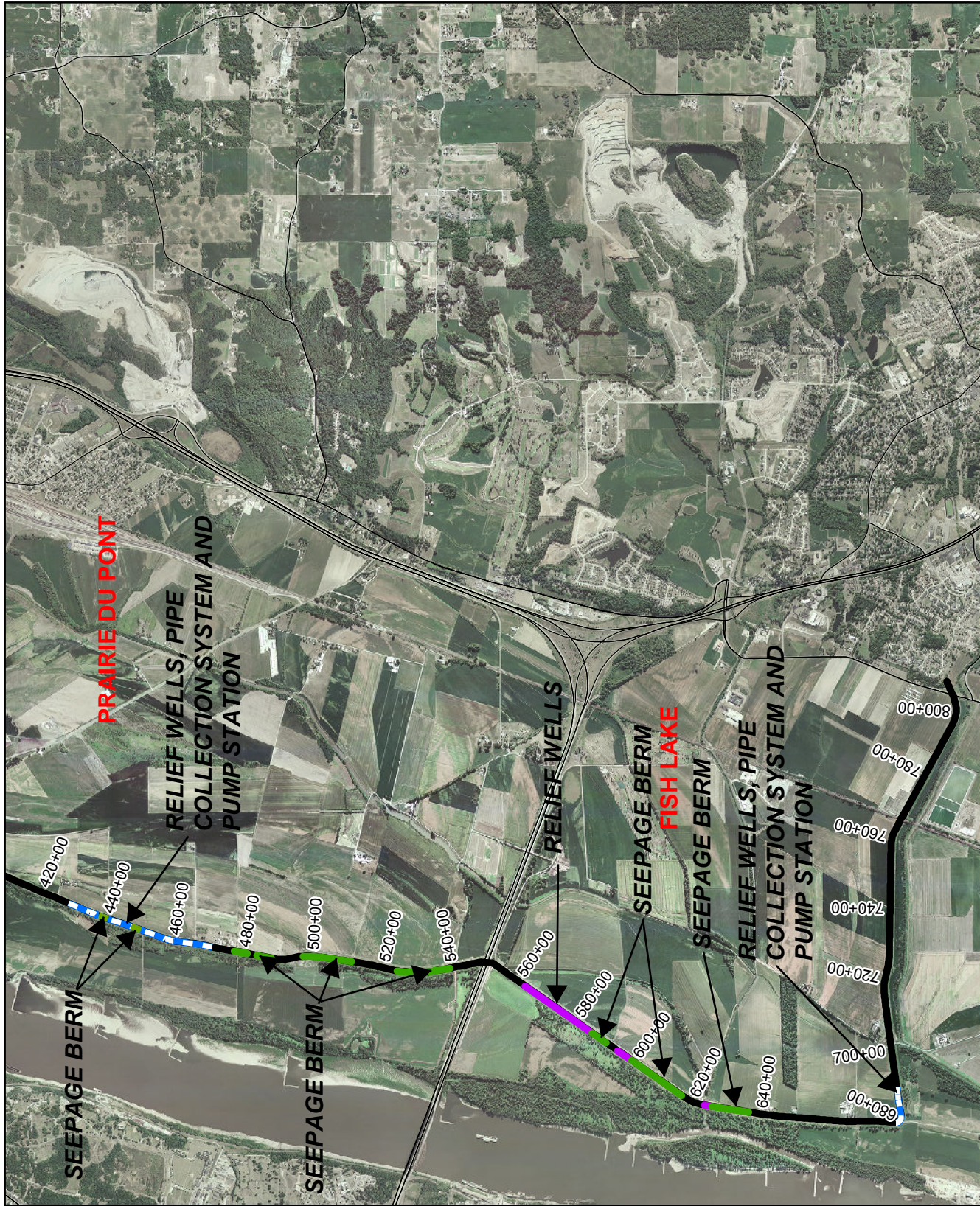
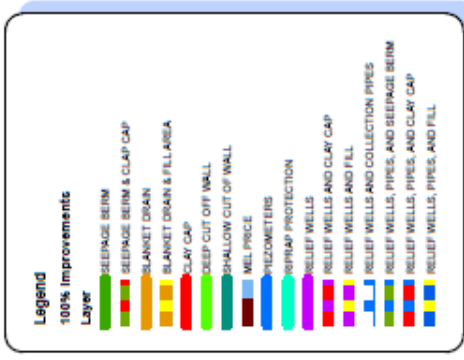
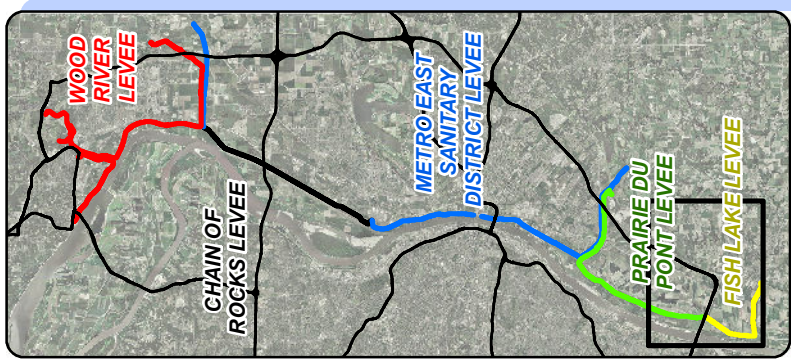






FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

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



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. 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

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



FEMA

April 29, 2019

Mr. 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: East St. Louis and Vicinity Flood Protection Project
Mississippi River, East St. Louis, Illinois
Quantitative Risk Assessment

Dear Mr. Busse:

On March 18, 2019, St. Louis District U.S. Army Corps of Engineers (USACE) submitted materials in support of a Quantitative Risk Analysis for the East St. Louis and Vicinity Flood Protection Project to U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA). The submitted materials recommend accreditation of the East St. Louis and Vicinity Flood Protection Project with respect to the National Flood Insurance Program (NFIP) regulations (per Code of Federal Regulations (CFR), Title 44, Chapter 1, Section 65.10 (44 CFR Section 65.10), Subsection (e).


FEMA acknowledges receipt of the Quantitative Risk Assessment and as-built plans from USACE submitted under 44 CFR Subsection 65.10 (e) in lieu of the structural requirements of 44 CFR Section 65.10 Subsection (b). The submitted documentation and data have been reviewed for completeness, and based on receipt of this information, the minimum criteria outlined in the structural requirements of 44 CFR Section 65.10(b)(1) – (b)(5), have been met for the East St. Louis and Vicinity Flood Protection Project.

FEMA also acknowledges receipt of the Interior Drainage Analysis Certification (prepared by Wood Environment & Infrastructure Solutions, Inc.), Operations and Maintenance Manuals, and an Emergency Action Plan from USACE. The submitted documentation and data have been reviewed for completeness, and based on receipt of this information, additional coordination is required with levee stakeholders and impacted communities to obtain documentation to address 44 CFR Section 65.10(b)(6) *Interior drainage*, 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. FEMA will coordinate with USACE regarding this future outreach.

FEMA recognizes the dedication of USACE and other levee stakeholders to address, understand, and communicate the risks associated with living and working landward of East St. Louis and Vicinity Flood Protection Project and we look forward to our continued partnership. Please be advised that if the risk associated with this levee system changes in the future, FEMA should be notified and may update the flood hazards associated with this levee system, as appropriate.

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. 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: Ms. Rachel Lopez, USACE, St. Louis District Levee Safety Program Manager
Mr. Stephen Adler, Metro East Sanitary District, Executive Director
Mr. Charles Brinza, Metro East Sanitary District, President
Mr. Charles Etwert, Southwestern Illinois Flood Prevention District Council, Chief Supervisor
Mr. Steve Brendel, Madison County, NFIP Coordinator
Ms. Anne Markezich, St. Clair County, NFIP Coordinator
Mr. Paul Osman, Illinois, IDNR, NFIP State Coordinator
Ms. Suzanne Vermeer, FEMA Headquarters, Civil Engineer
Mr. Dan Shulman, FEMA Region V, External Affairs
Mr. Duane Castaldi, FEMA Region V, Acting Branch Chief, Risk Analysis Branch
Mr. Ken Hinterlong, FEMA Region V, Senior Engineer, Risk Analysis Branch
Mr. Roger Denick, FEMA Region V Regional Service Center, Lead

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

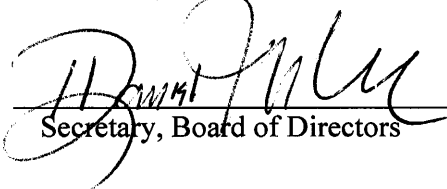
5. *Corps of Engineers Participation.* Notify the Corps of Engineers of the FPD's strategy and request that the Corps expedite projects that are 100% federally funded, such as the emergency design deficiency correction at the Melvin Price Locks and Dam, a project-that was identified as an emergency need 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

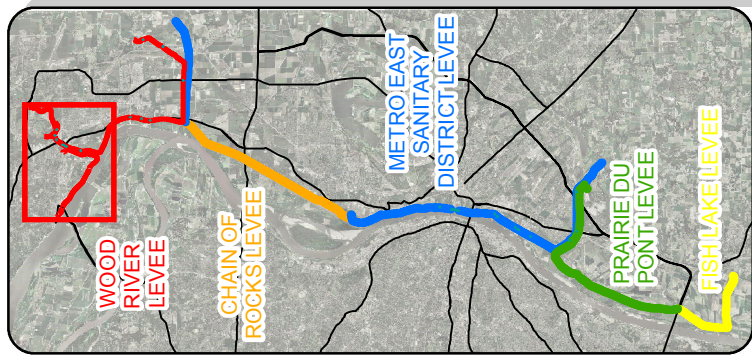
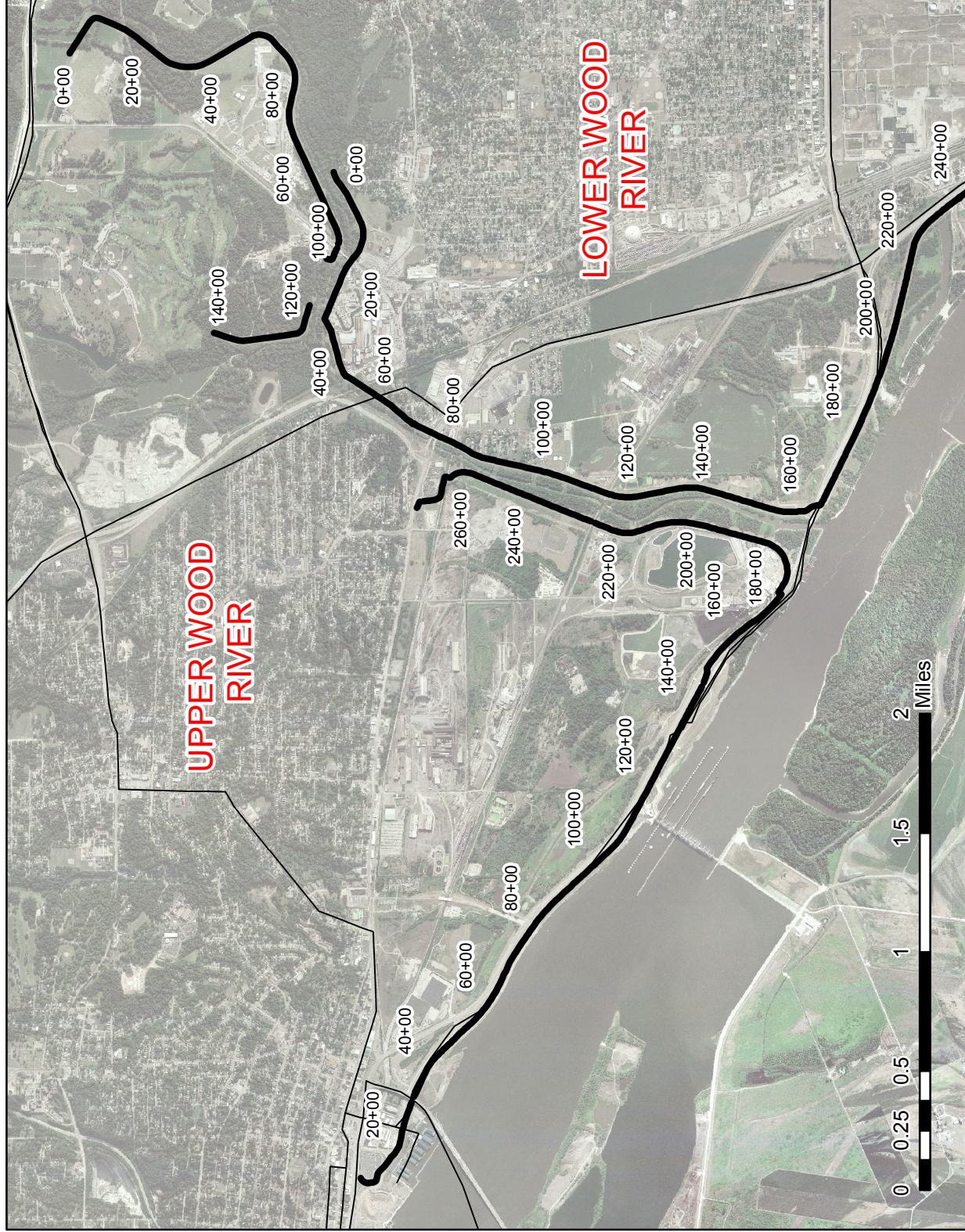
Appendix IV

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

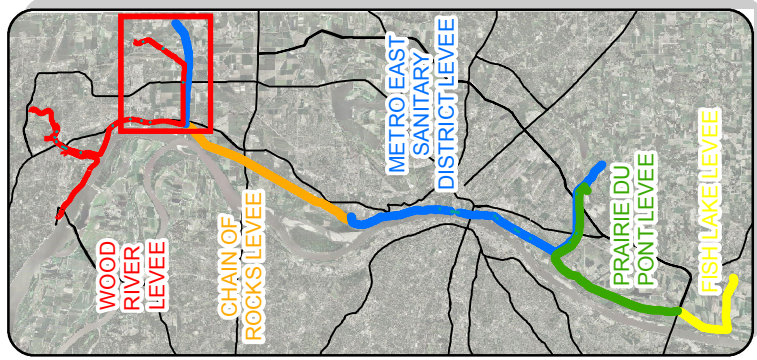
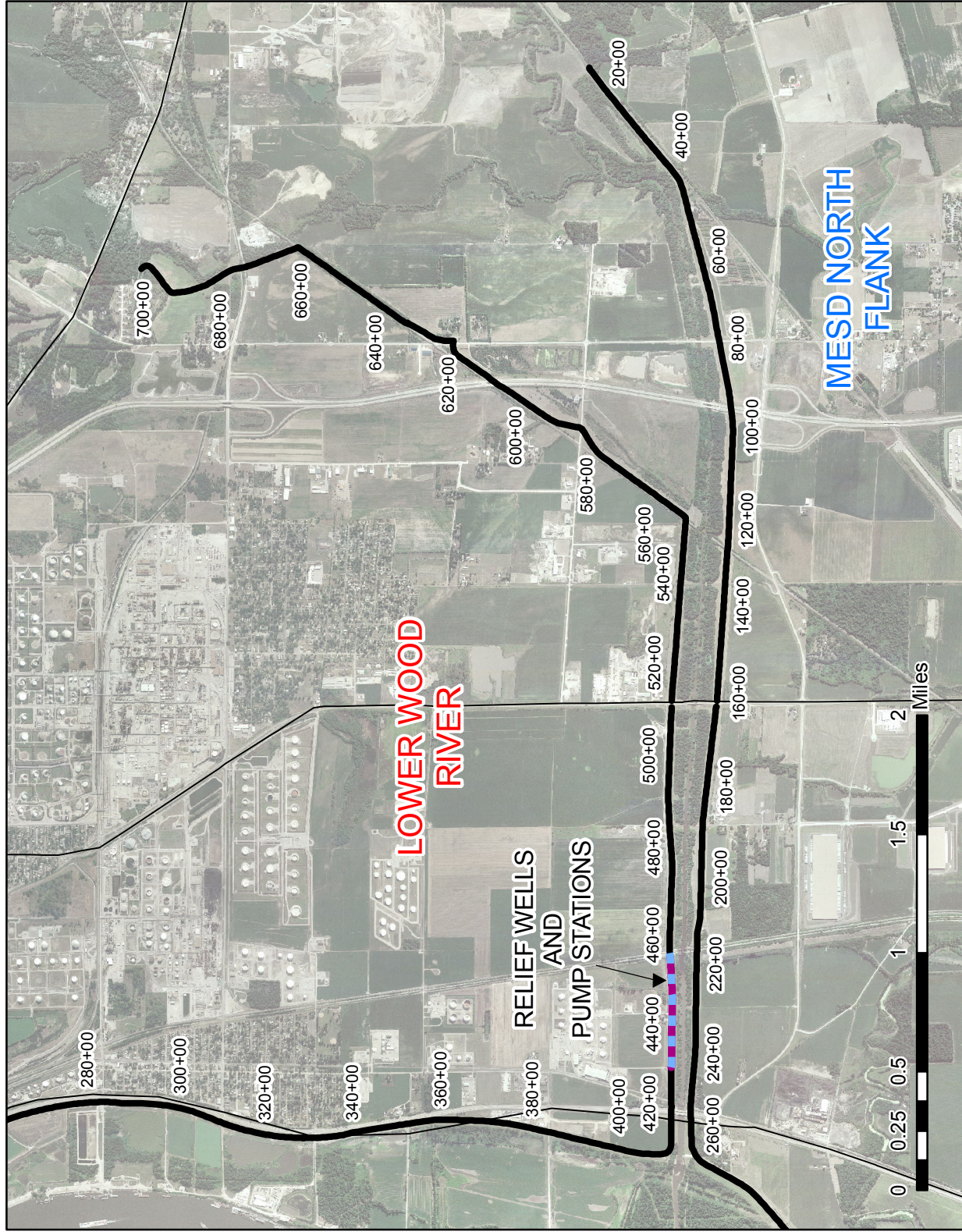


02 AUG 2021

AUTHORIZED LEVEL DESIGN

WOOD RIVER LEVEE





02 AUG 2021

AUTHORIZED LEVEL DESIGN
WOOD RIVER LEVEE



AUTHORIZED LEVEL DESIGN
METRO EAST SANITARY DISTRICT LEVEE

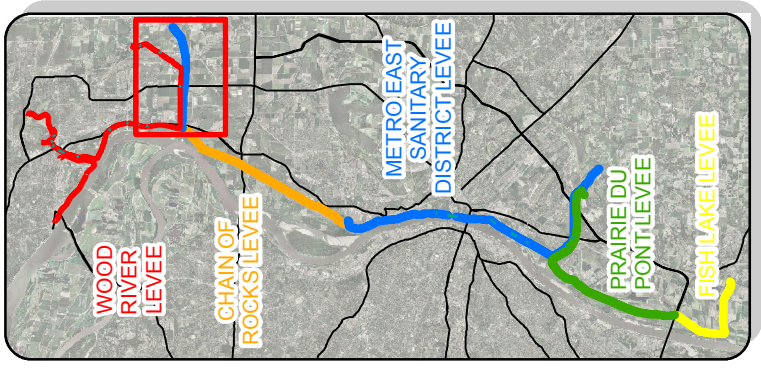
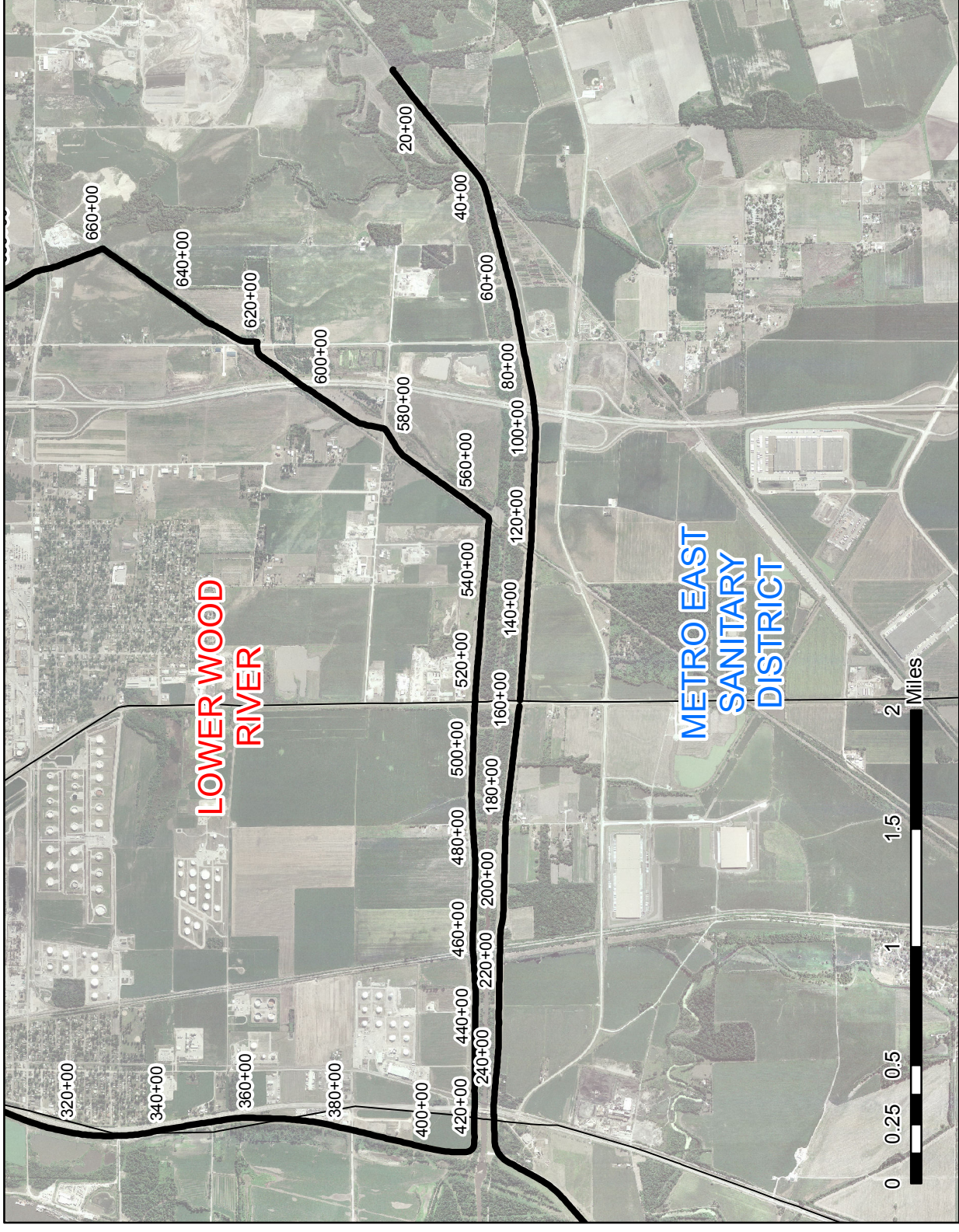
02 AUG 2021

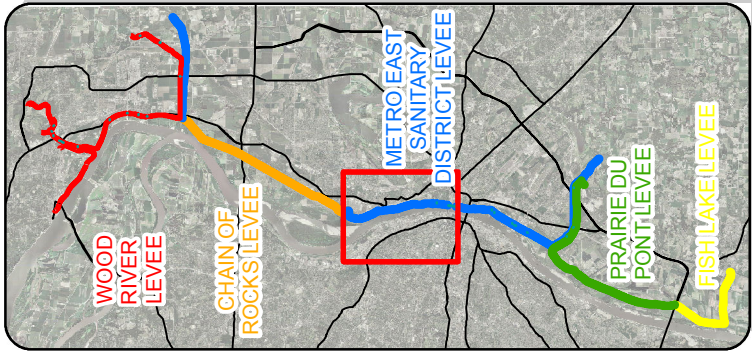
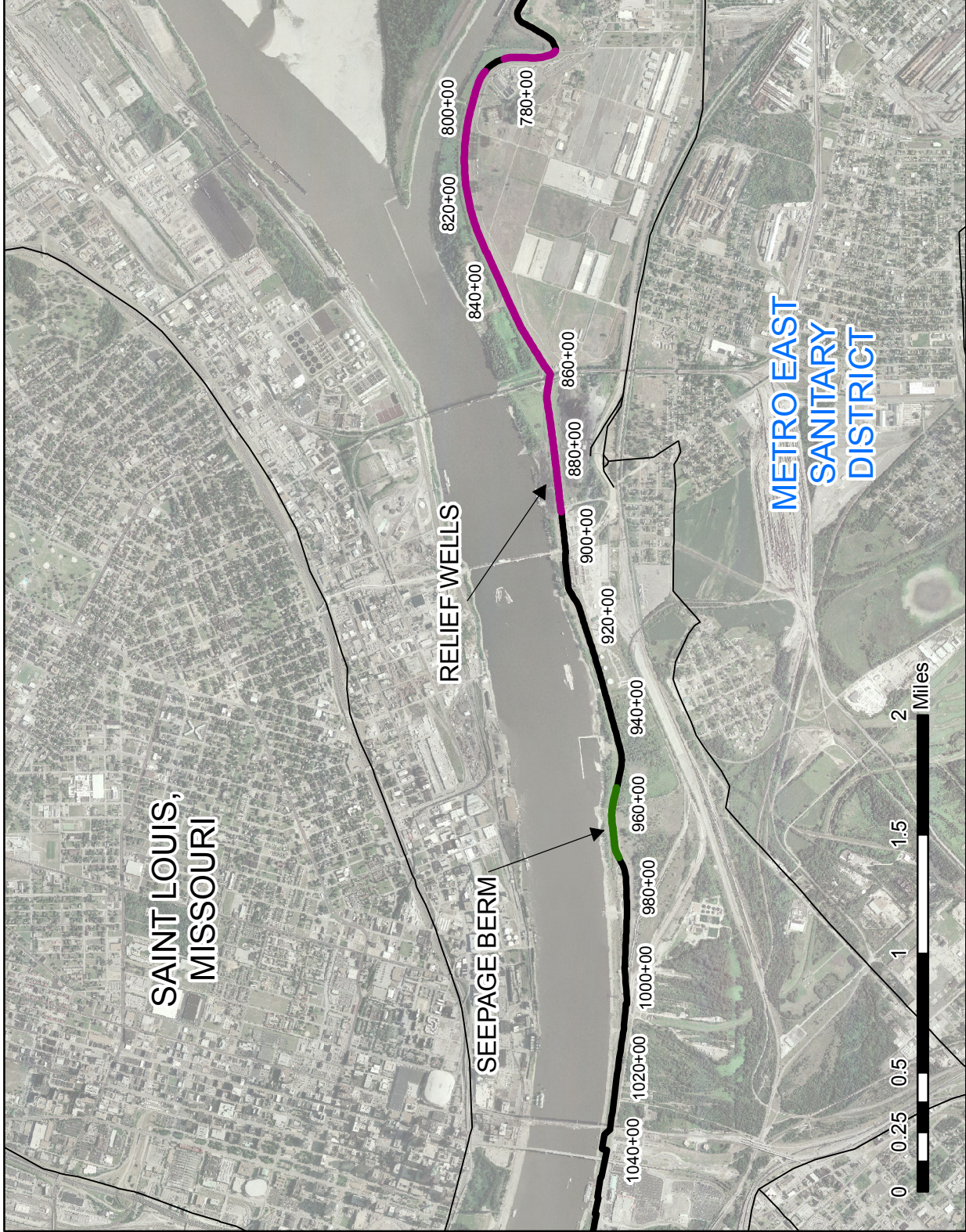


Legend

Layer

- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE





Legend

Layer

- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



02 AUG 2021

AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE

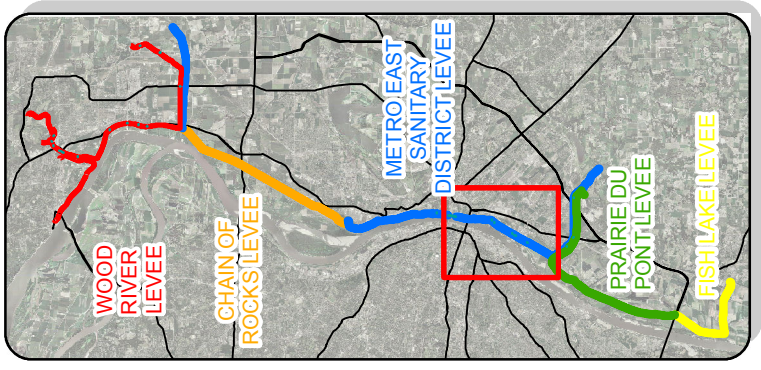
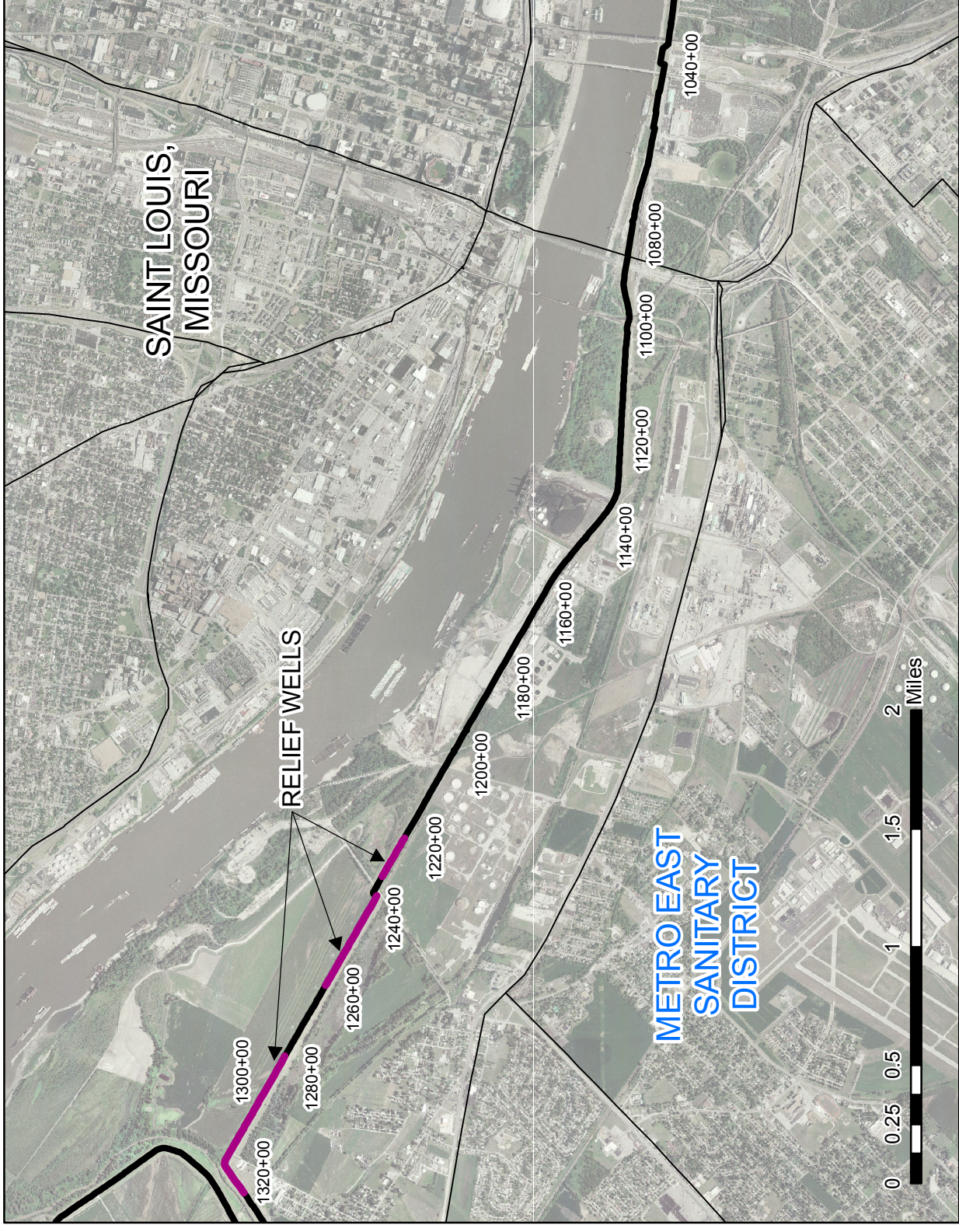
02 AUG 2021



Legend

Layer

- █ RELIEF WELLS
- █ SEEPAGE BERM
- █ LEVEE CENTERLINE



AUTHORIZED LEVEL DESIGN

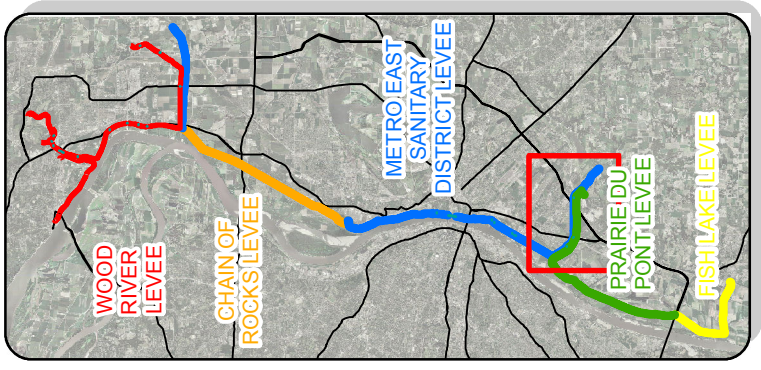
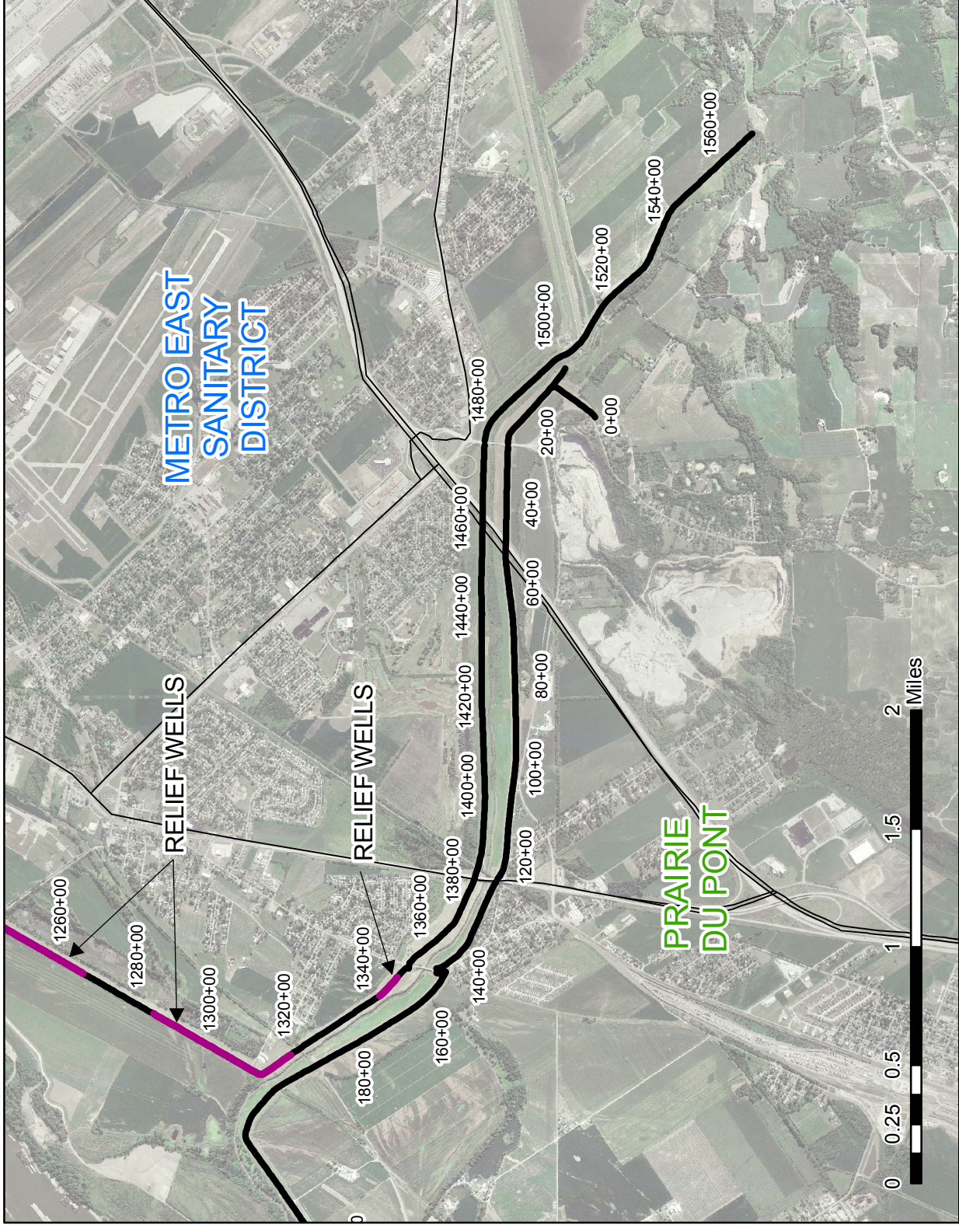
METRO EAST SANITARY DISTRICT LEVEE

02 AUG 2021



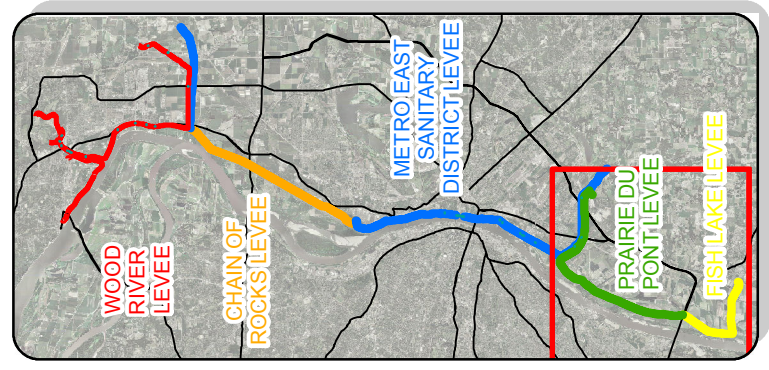
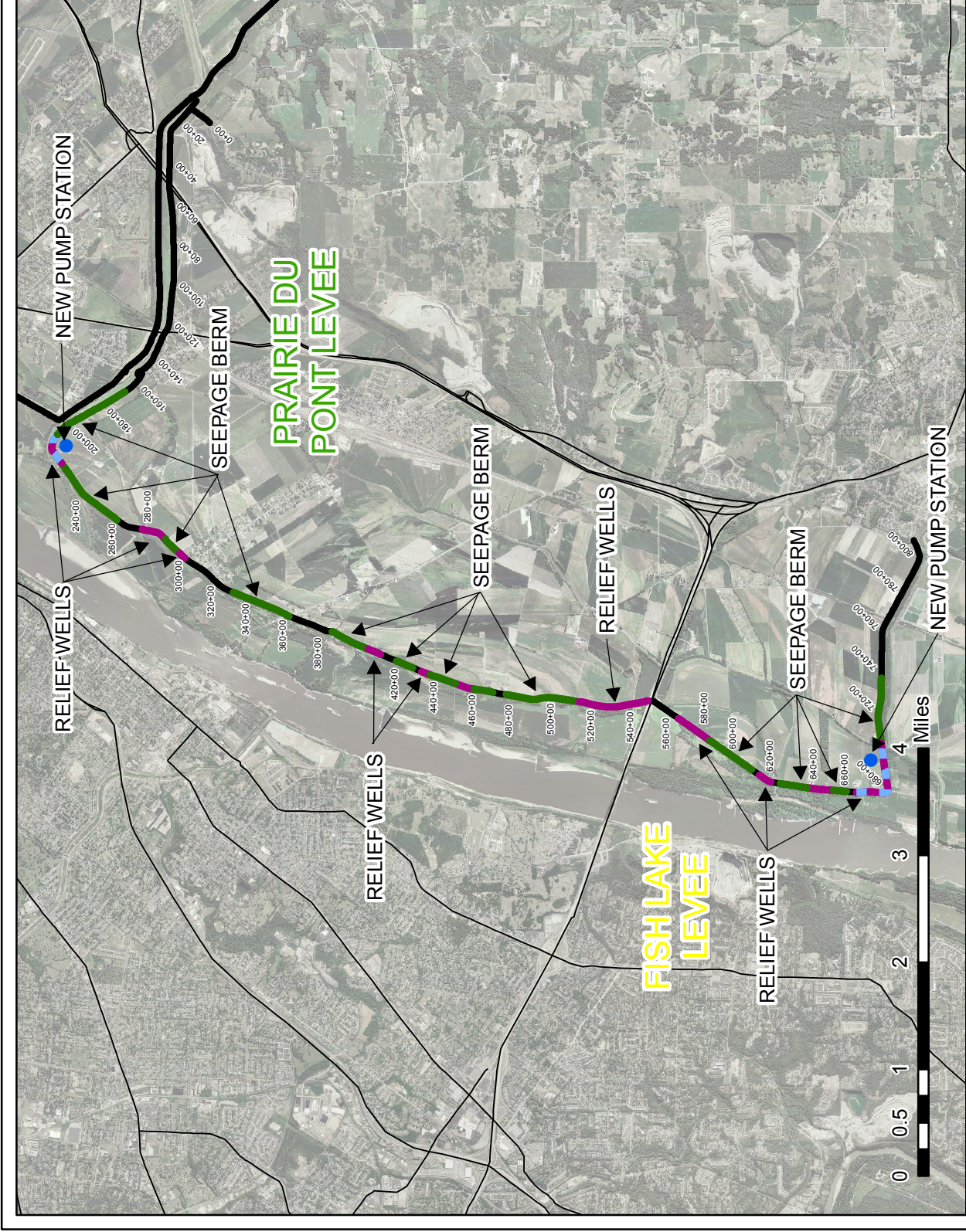
Legend

Layer	Description
—	RELIEF WELLS
—	SEEPAGE BERM
—	LEVEE CENTERLINE



AUTHORIZED LEVEL DESIGN PRAIRIE DU PONT/FISH LAKE LEVEE

02 AUG 2021



Legend

Layer	Symbol
RELIEF WELLS	Blue circle
RELIEF WELLS AND PUMP STATIONS	Purple circle
SEEPAGE BERM	Green line
SEEPAGE BERM AND FILL	Yellow line
LEVEE CENTERLINE	Black line





Memo to: Board of Directors
From: Chuck Etwert
Subject: Fiscal Agent FY 2022 & FY 2023
Date: August 16, 2021

CliftonLarsonAllen has served as the fiscal agent for the Council since being selected from competitive proposals and has done an excellent job, providing the following services:

- Maintain general ledger, fixed assets ledger, accounts receivable, general journal, and accounts payable.
- Review invoices for services provided to the Council prior to payment to determine compliance with the Council's contracts, agreements and policies.
- Prepare invoices and funding requests to bond Trustee, county treasurers, or other agencies or entities, as authorized by the Council, to pay expenses.
- Receive payments from the bond Trustee, counties or other agencies or entities on Council's behalf and prepare payments of invoices for execution by Council staff or Board members.
- Prepare regular statements of financial activity, including monthly statements showing accrued expenditures, budget comparisons, and disbursements, for Council Board meetings.
- Provide the Council and auditors with information and financial statements required for annual audits.
- Assist in developing annual Council budget.

In response, to a request for an additional two year proposal, CliftonLarsonAllen has proposed a monthly fee of \$2,709 a month with a fee of \$2,877 for assistance with the audit for a total fee of \$35,385 for FY 2022 and a monthly fee of \$2,793 a month with a fee of \$2,877 for assistance with the audit for a total fee of \$36,393 for FY 2023. The fee for the FY 2020 was \$33,460.

Their fees now includes a five percent technology fee for upgrades to keep their systems safe from cyber-attacks. They implemented the fee for all clients in January of 2020, however, the Council didn't have to pay due to our two year agreement signed in September of 2019.

With their knowledge and experience of performing as our fiscal agent and working with our auditor and bond trustee, I recommend extending our engagement with CliftonLarsonAllen to act as our fiscal agent for the next two years.

Recommendation: Authorize the Chief Supervisor to engage CliftonLarsonAllen to act as the Council's fiscal agent for the next two years at a cost not to exceed \$35,385 for FY 2022 and \$36,393 for FY 2023.

Memo to: Board of Directors
From: Chuck Etwert
Subject: Financial Advisor Services
Date: August 16, 2021

Columbia Capital Management, LLC has served as the financial advisor for the Council since being selected by a qualification-based procurement, to provide financial consulting and debt issuance services in 2014, and is currently completing a two year agreement for calendar years 2020 and 2021.

Columbia Capital provided an outstanding effort during the long (and at times difficult) process of getting the Series 2015AB Bonds to market & issued, and the refunding of the 2010 Bonds which saved over \$13.2 million in debt service costs.

At my request, Columbia Capital has submitted a proposal to continue as the Council's Financial Advisor for the next two years.

The proposed extension uses the same format as with all previous contracts and consists of the scope of services including, review of the Council's outstanding bonds, preparing a refunding analysis, preparing a refunding plan, a potential bond transaction, maintenance and support of the Council's debt program, a 2022/23 update of the Council's financial plan, investment advisory services, post-issuance compliance services, and a contingent amount for work outside the scope of the proposal for a total two year cost not to exceed \$266,781. The increase over the current 2020/2021 contract is for Investment Advisory Services, if there was a new money issue. With the recent increase in sales tax receipts, this is very unlikely at this time.

Columbia Capital's project team and hourly rates for the next two years remain the same as when they were selected in 2014.

Utilization of fees for the previous contract periods are as follows:

2014/2015 – Fee Proposal - \$176,500 – Utilized \$131,619*
2016/2017 – Fee Proposal - \$164,411 – Utilized \$39,697.50
2018/2019 – Fee Proposal - \$183,396 – Utilized \$68,215.00**
2020/2021 – Fee Proposal - \$247,985 – Utilized \$56,912.50** to date

* Contract period included the issuance of the 2015 Bonds

** Both contract periods included the refunding of the 2010 Bonds

The contract has contingencies for the unexpected requests, which may arise, and work outside the scope of the proposal, however, based on past performance, it is doubtful all funds authorized will be utilized.

Recommendation: Authorize the Chief Supervisor to enter into contract with Columbia Capital Management, LLC to provide financial consulting, investment advisory services and post-issuance compliance services for the next two years in accordance with the attached scope of work for a total amount not to exceed \$266,781.



231 South Bemiston
Suite 800
St. Louis, Missouri 63105

Jeff White, Managing Member
888.648.8500
jwhite@columbiacapital.com

August 11, 2021

Chuck Etwert
Chief Supervisor
Southwestern Illinois Flood Prevention District Council

VIA ELECTRONIC MAIL

Dear Chuck:

The purpose of this letter is to request an extension of our financial advisory services engagement with the Council for a two-year period ending December 31, 2023. The extension will permit us to continue to provide the Council with municipal advisory services, post-issuance compliance services and advisory services with respect to the investment of bond proceeds.

I have attached a proposed fee grid, using the same format as with our current contract, anticipating our level of effort over the next two years. Our efforts will be focused on maintaining support for the Council's debt program and providing investment advisory services. Our proposal includes the prospect of issuing additional bonds to finance potential funding shortfalls, and providing occasional updates of the Council's overall financial plan.

We propose to continue with the same project team: I will serve as lead with active involvement by Khaleen Dwyer, with respect to financial advisory and consulting work, Adam Pope, with respect to investment advisory work, and Stacey Walter with respect to post-issuance compliance services. In addition, Deric Marr (Analyst) will provide additional financial advisory support. The full resources of the firm remain available to the Council as needed.

With respect to proposed fees, we will continue to honor the hourly rates included in our original RFP response to the Council. We have proposed continuing our work with respect to investment of the Series 2015AB Bond proceeds and Series 2020 Bond proceeds.

We very much appreciate the opportunity to continue our working relationship with the Council and hope that you will find this proposal to be acceptable. Thank you for your consideration.

Respectfully submitted,
COLUMBIA CAPITAL MANAGEMENT, LLC

A handwritten signature in black ink, appearing to read 'Jeff White', is written over the typed name and title.

Jeff White
Managing Member

Southwestern Illinois Flood Prevention District Council

Fee Proposal (2022-2023 Contract Extension)

Identified Scope of Services				
	Personnel	Hours	Hourly Rate	Total Fee
Review the Council's outstanding bonds, prepare refunding analysis, develop refunding plan. Potential planning for a new money issue.	Managing Member	35	275.00	9,625.00
	Senior Vice President	30	225.00	6,750.00
	Analyst	8	180.00	1,440.00
As necessary, work with the Council staff to recommend structure, specific terms and conditions of debt issues. Assist in the sale of the bonds by developing documents for and assisting in the competitive solicitation and selection of underwriters and other ancillary services.	Managing Member	140	275.00	38,500.00
	Senior Vice President	120	225.00	27,000.00
	Analyst	40	180.00	7,200.00
Update the financial plan for the Council upon request.	Managing Member	20	275.00	5,500.00
	Senior Vice President	20	225.00	4,500.00
Review policy issues and direction(s) related to effective administration of the capital program.	Managing Member	15	275.00	4,125.00
	Senior Vice President	15	225.00	3,375.00
Advise the Council on areas of industry specific knowledge that affects the financing and marketing of the project's debt.	Managing Member	15	275.00	4,125.00
	Senior Vice President	15	225.00	3,375.00
Assist and advise in the development of debt limits, debt service coverage ratios, debt capacity, call feature, structure, reserve funds or other debt policies	Managing Member	15	275.00	4,125.00
	Senior Vice President	15	225.00	3,375.00
Work with the Council staff, attorneys and bond counsel to maintain an effective and legally compliant debt program.	Managing Member	20	275.00	5,500.00
	Senior Vice President	15	225.00	3,375.00
Provide technical advice as requested by the Council, orally or in written form, concerning miscellaneous issues and questions.	Managing Member	25	275.00	6,875.00
	Senior Vice President	25	225.00	5,625.00
Review of sales tax collections.	Managing Member	10	275.00	2,750.00
	Senior Vice President	10	225.00	2,250.00
	Analyst	5	180.00	900.00
Total Hours				613.00
Average Hourly Fee				245.17
Adjustments				
Proposed Blended Fee for 200 Hour Maximum				245.00
Fee for initial 200 hours at \$245.00				49,000.00
Remaining 413 hours at \$245.17				101,255.21
Total fee for Identified Financial Advisory Scope of Services				150,255.21

Investment Advisory Services		Months		
Monthly Fee for Investment Advisory Services (2015AB Bonds)	\$900 x 24 months	24	900.00	21,600.00
Monthly Fee for Investment Advisory Services (2020 Bonds)	\$900 x 24 months	24	900.00	21,600.00
Monthly Fee for Investment Advisory Services (Hypothetical New Money Issue)	\$900 x 24 months	24	900.00	21,600.00

Post-Issuance Compliance Services		
Initial munivault® setup fee for potential refunding and new money bonds	\$2,500 x 1 bond series	2,500.00
Annual fee for three series of bonds	\$650 x 5 series x 2 years	3,900.00

Reimbursable Expenses	
Travel (estimate)	2,000.00
Lodging (estimate)	800.00
Meals (estimate)	250.00
Total reimbursable expenses (estimate)	3,050.00

Fee and Cost Proposal Summary

Hourly / Upfront Fees	
Financial Advisory Scope of Services	150,255.21
Post-Issuance Compliance (munivault®)	2,500.00
Total	152,755.21
Not to Exceed	168,030.73

Annual Fees	
Investment Advisory	64,800.00
Post-Issuance Compliance (munivault®)	3,900.00
Total	68,700.00
Not to Exceed	68,700.00

Reimbursable Expenses (Estimate)	3,050.00
Not to Exceed	3,050.00

Other Consulting Work

For work outside the scope of this proposal:	\$270 / hour
Not to Exceed	27,000.00



Memo to: Board of Directors
From: Chuck Ewert
Subject: Corps of Engineers Update
Date: August 16, 2021

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**
 - Jet Grout work continues
 - ILAW tunnels have been located
 - Shallow cutoff wall at the MESD triple box culvert will be complete this week
 - Jet grout operations will begin mid-September at both locations and continue as a 24 hour operation

- **Relief Well package 12 Phase 1**
 - 6 Bids Received 09 Aug 21
 - Apparent Low – Davinroy Mechanical \$5,917,567
 - Contract Award End of Aug 21

- **Bid Package 12 Phase 2 and Phase 3**
 - 3D analysis indicates reduction in relief wells
 - AE continues with shoring and rail relocation analysis/TRRA coordination
 - Contract Award 3Q 2023

- **Bid Package 14 Phase 2 – Berms (Dependent on funding)** FY 23



Project Status

Metro East Projects, IL

Wood River

- **Canal Road Pump No. 1** [*BP-8"; 1PS and 22 RWs*]
 - ROW certification received 09Jul21
 - Solicitation 19Jul21
 - Site Visit (estimated) 29Jul21
 - Contract award (estimated) 04Nov21

- **Relief Well package #1 – 24 wells**
 - ROW certification 16Jul21
 - Solicitation 05Aug21
 - Contract award (estimated) 26Nov21

- **Canal Road Pump No. 2, 3, and 4** [*designed by MVS A/E*]
 - ROW certification received for PS 2 and PS 3 16Jul21
 - USACE anticipates moving forward with PS 2 and 3 contract
 - Design package will be split - PS 2 and PS3 will be awarded together
 - Easement impasse with the Village of Roxana
 - Per Sponsor's request, USACE is exploring the feasibility of a berm solution vs PS/RWs



Metro East Projects, IL

Project Status

Wood River

Additional federal funds required for:

- **Pump Station Modifications** (add pump to WR; replace pump at Hawthorne)
 - Anticipated to be awarded after BP-8, RW#1, and PS
- **Relief Well package #2 and #3 – 56 and 37 RWs**
 - Design complete in FY22
 - ROW certification pending
 - Contract award delayed to FY23 due to available funds (will re-assess after award of first 3 contracts)
- **Relief Well #2 Ditch work**
 - Design Ongoing – exploring options to address the area in Reach 2 north of Olin and Koch

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

File Name



Metro East Projects, IL

Project Status

Mel Price Segment of Upper Wood River

- | | |
|--|---------|
| ▪ Reach 1 Relief Wells contract award | 03Jun21 |
| ▪ Reach 2 Relief Wells BCOES certification | 30Sep21 |
| ▪ Reach 2 Relief Wells ROW certification | 18Feb22 |
| ▪ Reach 2 Relief Wells contract award | 13Jun22 |
| ▪ 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) | |

File Name



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 ®





Memo to: Board of Directors
From: Chuck Etwert
Subject: Election of Officers for 2021-2022
Date: August 16, 2021

Under the Council's bylaws, Board officers (President, Vice-President, and Secretary-Treasurer) serve one year terms, must each be from a different County Flood Prevention District and are elected at the Council's Annual Meeting held in August.

It has been the past practice of the Council to have the Chairs of the three county flood prevention districts serve as officers, with the positions rotated on an annual basis. All Board members are eligible to serve as officers.

The election of officers takes place at the end of the Council's August Board meeting.

