



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
August 19, 2020 7:30 am

The Southwestern Illinois Flood Prevention District Council Meeting
will be conducted via teleconference due to COVID-19.

1. Call to Order
Debra Moore, President
2. Approval of Minutes of July 15, 2020
3. Public Comment on Pending Agenda Items
4. Program Status Report
Chuck Etwert, Chief Supervisor
5. Budget Update and Approval of Disbursements
Chuck Etwert, Chief Supervisor
6. Design and Construction Update
Jay Martin, Wood Environment & Infrastructure Solutions, Inc.
7. FY 2021 Flood Prevention District Council Budget
Chuck Etwert, Chief Supervisor
8. Flood Prevention District Council Annual Report
Chuck Etwert, Chief Supervisor
9. Audit Services
Chuck Etwert, Chief Supervisor
10. Change Order – BP #18
Randy Cook, Wood Environment & Infrastructure Solutions, Inc.
Chuck Etwert, Chief Supervisor

AGENDA

11. Update from Corps of Engineers
Tracey Kelsey, U.S. Army Corps of Engineers

12. Election of Officers for 2020-2021
Chuck Etwert, Chief Supervisor

13. Public Comment

Executive Session - Litigation

14. Other Business

15. Adjournment

Next Meeting: September 16, 2020

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING July 15, 2020

The meeting of the Board of Directors conducted via teleconference due to the COVID-19 Pandemic was held at 7:30 a.m. on Wednesday July 15, 2020.

Members in Attendance

Debra Moore, President (Chair, St. Clair County Flood Prevention District)
John Conrad, Vice-President (Chair, Monroe County Flood Prevention District)
Jeremy Plank, Secretary/Treasurer (Chair, Madison 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

Isabelle Crockett, St. Clair County Flood Prevention District
Max Merz III, Madison County Flood Prevention District

Others in Attendance

Robert Elmore, Monroe County Board Chair
Kurt Prenzler, Madison County Board Chair
Chuck Etwert, SW Illinois FPD Council
Randy Cook, Wood Environment & Infrastructure Solutions, Inc.
Tim Eagleton, FM Global
David Human, Husch Blackwell LLP
Tracey Kelsey, U.S. Army Corps of Engineers
Jon Omvig, Wood Environment & Infrastructure Solutions, Inc.
Thomas Schooley, MESD Attorney
Bryan Werner, Metro East Park & Recreation District
Kevin Williams, Wood River Drainage & Levee District

Call to order

President Debra Moore noted the presence of a quorum and called the meeting to order at 7:31 a.m.

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

Mr. Brinkman - Present
Mr. Conrad - Present
Mr. Metzger - Present
Dr. Moore – Present
Mr. Parks - Present
Mr. Plank - Present
Mr. Schwind - Present

A quorum was present.

Approval of Minutes of June 17, 2020

Dr. Moore asked for a motion to approve the minutes of the Board meeting held on June 17, 2020. A motion was made by Mr. Schwind, seconded by Mr. Conrad, to approve the minutes of the Board meeting held on June 17, 2020. Mr. Plank called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Public Comment on Pending Agenda Items

Dr. Moore asked if there were any comments from the public on any agenda item on today's agenda. There were no comments.

Program Status Report

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

He briefly highlighted the few changes to the status of the 100-Year Certification Packages and the Authorized Level Projects since the June meeting.

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

100-Year Certification Packages Status

Wood reached out to IDNR in late June for an update on their submittal of April 24, 2020, but hasn't received a response to date. The responses to submittals to the state have previously taken as long as five months, hopefully, this latest submittal won't take as long.

He then discussed the 500-Year Authorized Level Status.

500-Year Authorized Level Status

MESD Levee System

The Cahokia Relief Well Project, Bid Package #18 – Underseepage Controls from 1207+00 to 1352+00 is under construction, and the good news is the river has receded allowing construction the last two weeks. The long term forecast is for the river to continuing receding allowing construction to continue without further delay.

Bid Package #14A – Underseepage Controls from 861+00 to 863+00, which requires a very low river, should start construction around July 21st when the river is projected to fall below 13 feet at the St. Louis river gage. It is projected the river will fall to least 8 feet during the following two weeks.

Dr. Moore asked for a motion to accept the Program Status Report for July 2020. A motion was made by Mr. Parks to accept the Program Status Report for July 2020. Mr. Brinkman seconded the motion. The motion was approved unanimously by voice vote.

Budget Update and Approval of Disbursements

Dr. Moore asked Mr. Etwert to provide a report.

Mr. Etwert noted the financial statements for June 2020 prepared by fiscal agent, CliftonLarsonAllen, were included in the materials sent for the meeting. The reports include an accounting of revenues and expenditures for each month, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2019 thru June 30, 2020 are \$16,554,068 while revenues amounted to \$9,854,742 resulting in a deficit of \$6,699,326. A total of \$36,255,936 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$853,705 for April 2020 were down 20.15 % from last year. March receipts were down 12.78%. Receipts for the year are down 3.79% from last year.

He indicated based on March and April receipts and the possible second or third wave of COVID-19, the projection of a 25% reduction in receipts for FY 2021 is realistic. He added Moody's predicted a 40% reduction when it lowered the Council's bond rating.

Next he discussed, Khaleen Dwyer's updated PAYGO Models. He indicated, a return to previous sales tax receipt levels would be needed for either additional bonding capacity or pay-as-you-go approaches. Based on current construction schedules a decision on either approach is probably two years away. There will be sufficient COVID-19 tax receipt data available by then. With a 25% reduction, the Council is still able to cover all debt service costs.

He also provided for the Board's review and anyone else who was interested, the bank transactions for June 2020. Total disbursements for June were \$240,805.56

Copies of all disbursements are available at the Council's office for the Board's review and anyone else who is interested.

Mr. Etwert recommended that the Board accept the budget report and disbursements for June 2020.

Dr. Moore asked for a motion to accept Mr. Etwert's budget report and disbursements for June 2020. A motion was made by Mr. Conrad, seconded by Mr. Brinkman to accept the budget report and approve the disbursements for June 2020. Mr. Plank called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Design and Construction Update

Dr. Moore called on Jon Omvig, Wood Environment & Infrastructure Solutions, Inc., to provide an update report.

He discussed the normal PowerPoint® presentation, which was included in the agenda package, to illustrate his remarks. His presentation focused on FEMA Certification Update and Authorized Level (500-Year) Design and Construction as follows:

FEMA Certification Update

A FEMA Submittal Summary was presented.

	Upper Wood River	E/W Forks Wood River	Lower Wood River	MESD	PDP/FL
County	Madison	Madison	Madison	Madison & St. Clair	St. Clair & Monroe
Initial Submittal	Mar. 10, 2017	Dec. 5, 2016	Oct. 17, 2018	Aug. 31, 2018	Jul. 6, 2017
FEMA Comments	Sep. 5, 2017	Jan. 26, 2018	Apr. 20, 2018	Mar. 2019	Jan. 26, 2018
2 nd Submittal	Jun. 18, 2018	Jun. 29, 2018	Jul. 13, 2018	Mar. 18, 2019	Jun. 29, 2018
FEMA Comments	Sep. 25, 2018	Sep. 24, 2018	Sep. 24, 2018	N/A	Sep. 24, 2018
Submit to ISWS	N/A	Oct. 24, 2018	Oct. 24, 2018	N/A	Oct. 24, 2018
ISWS Comments	N/A	Feb. 18, 2019	Feb. 19, 2019	N/A	Feb. 19, 2019
Resubmit to ISWS	N/A	Jul. 31, 2019	Jul. 31, 2019	N/A	N/A
ISWS / IDNR Comments	N/A	Aug. 7, 2019	Aug. 7, 2019	N/A	N/A
Resubmit to ISWS	N/A	Nov. 19, 2019	Nov. 19, 2019	N/A	N/A
IDNR Comments	N/A	Apr 14, 2020	Apr 14, 2020	N/A	N/A
Resubmit to IDNR	N/A	Apr 24, 2020	Apr 24, 2020	N/A	N/A
3 rd Submittal	Pending	Pending	Pending	N/A	Apr. 16, 2019
FEMA Comments				Apr. 29, 2019	Jul. 15, 2019
4 th Submittal					Jul. 24, 2019
FEMA Approval					Nov. 14, 2019

Next, Mr. Omvig discussed the status of the Authorized Level (500-Year) Design.

Authorized Level (~500-Year) Design

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

- Bid Package 8

BCOES review is complete

Design currently addressing USACE's final geotechnical comments

USACE plans to bid this project in USACE FY2020

- 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

60% Design Submittal to USACE this month

- Bid Packages 12

Being Designed/Constructed by USACE

- Bid Package 14A

In Construction

- Bid Package 14B

Filter Blanket under I-70 Bridge

Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete (~2 + years)

ROW Acquisition from Terminal Railroad Association (TRRA) is underway

- Bid Package 18

In Construction

- 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)

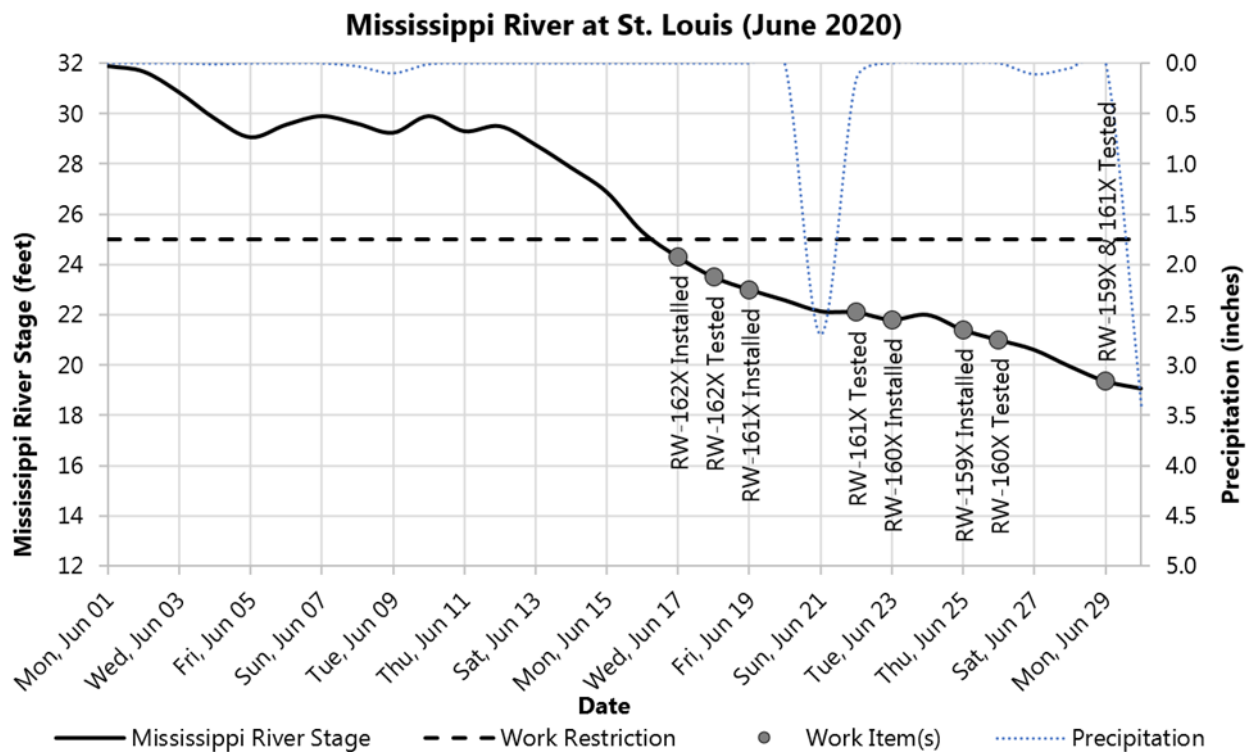
- Still working with USACE to validate solutions
- 100% FPD Council funded design and construction (No Federal match)
- USACE Risk Review is complete
- Working on Drilling Plans to begin drilling when river/weather/harvest allows.

Construction Update

- Bid Package 14A
 - Submittal review is underway
 - Awaiting favorable river elevation (<13 feet)
- Bid Package 18
 - Submittal reviews complete
 - Construction has begun
 - 8 relief wells are complete
 - If weather holds, construction should be complete by the end of the year

Lastly, he presented a slide on the river levels for the month of June.

Mississippi River History (June 2020)



Dr. Moore asked for a motion to accept Mr. Omvig's Design and Construction Update report. A motion was made by Mr. Parks with a second by Mr. Schwind, to accept the Wood Environment & Infrastructure Solutions, Inc. Design and Construction Update report. The motion was approved unanimously by voice vote. . Mr. Plank called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Draft FY 2021 Annual Budget

Dr. Moore asked Mr. Etwert to explain this item.

Mr. Etwert explained it was the Board's custom to first review the draft budget for the coming fiscal year at the July Board meeting, with final adoption at the August meeting. By law, the Council's budget must be adopted by August 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.

The FEMA certification process will probably continue into FY 2021. Who would have thought, after completing the construction of all of the 100-Year FEMA Certification Levee System Improvements in February 2018, it would take more than two years to obtain all of the certifications. Unfortunately it has. However, on the bright side, 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 event) and have successfully performed as designed and protected the Metro East area.

On April 29, 2019, FEMA accepted the MESD Levee System as structurally sound. A letter of continued accreditation for the Prairie Du Pont/Fish Lakes Levee Systems was issued by FEMA on November 14, 2019. Additional flow modeling was requested and submitted for the Cahokia Creek Diversion Channel, Indian Creek, Wood River and the East/West Forks of Wood River. With FEMA requiring reviews and approvals by both the Illinois State Water Survey and the Illinois Department of Natural Resources, letters of continued accreditation for the Wood River areas submitted by Wood, aren't expected until sometime in FY 2021. The Corps of Engineers is also waiting for FEMA's approval of the Upper Wood River Package originally submitted in March 2017.

The FY 2021 budget focuses on the continued design of Authorized Level projects and the construction of four Authorized Level bid packages.

Authorized Level construction anticipated in FY 2021 includes the completion of Bid Packages #18 & #14A, and the commencement of construction of Bid Packages #11 and #18A. 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 2021 budget is shown in Table 1.

Key assumptions are:

1. FEMA certification of all of the levee systems will be completed in FY 2021.
2. The level of Council staffing does not change in FY 2021, and general and administrative costs continue to remain a very small portion of the project expenditures (less than 1%). 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 decrease by 25% over previous estimates for FY 2021. 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. The Council is currently working with the Wood River and Prairie du Pont Levee Districts regarding potential funding alternatives.
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 November 2021 and September 2022. There is currently \$36,255,936 in the County FPD sales tax funds.
9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers' utilization of the Risk Informed Process and Risk Assessment. The Council will continue to work with the Corps of Engineers regarding project priorities and design & construction responsibilities between the Corps and Wood. This has worked very well the last few years.

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 2021 thru FY 2023 to the Estimated Available Authorized Level Funding FY 2021 thru FY 2023, indicating an anticipated funding shortage slightly under \$26 million dollars. This shortage could be covered by possible issuance of a third bond issue or a pay-as-you-go scenario, if sales tax receipts would recover by 2024 and generate sufficient revenues.

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. With the Covid-19, projected sales tax revenues are really a guestimate at this time. Based on the latest receipts for March and April, estimated sales tax receipts for FY 2021 and FY 2022 have been reduced by 25%. Estimated receipts for FY 2023 have been reduced by 12.5%. A better estimate will not be able to be determined until late this year, when additional data is available. It all depends on the economic recovery process and if there is a second or third wave of the virus. 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. A decision will probably not be needed until early 2023.

Easements, high river stages, construction delays, and additional reviews have push accreditation back, but all accreditations should completed in FY 2021.

After considering any comments or suggestions over the next month, a final FY 2021 budget will be presented at the August Board meeting for adoption and forwarding to the county boards for their approval.

Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BUDGET
OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021**

	ACTUAL EXPENDITURES OCTOBER 1, 2018 THRU SEPTEMBER 30, 2019	ADOPTED BUDGET OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	PROJECTED EXPENDITURES OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	PROPOSED BUDGET OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,219,935	\$ 12,455,000	11,673,713	\$ 9,427,500
Interest Income	1,234,725	350,000	834,210	350,000
Other Contributions			-	-
Total Revenues	\$ 13,454,660	\$ 12,805,000	\$ 12,507,923	\$ 9,777,500
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	2,966,840	5,250,032	2,203,140	5,719,065
Construction	401,131	20,170,000	4,474,695	15,258,467
USACE Authorized Level Costs	2,100,000	2,772,851	2,522,851	500,000
Total Design and Construction	\$ 5,467,971	28,192,883	9,200,686	21,477,532
Professional Services				
Legal & Legislative Consulting	69,764	297,500	96,726	240,000
Financial Advisor	23,299	65,000	92,454	65,000
Bond Trustee Fee	9,959	12,000	8,113	12,000
Total Professional Services	\$ 103,022	\$ 374,500	\$ 197,293	\$ 317,000
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	\$ 1,836,261	\$ 2,000,000	\$ 2,161,549	\$ 1,000,000
Debt Service				
Principal and Interest	10,876,570	10,949,970	9,956,798	9,393,082
Federal Interest Subsidy	(853,711)	(853,711)	(259,311)	-
Total Debt Service	\$ 10,022,859	\$ 10,096,259	\$ 9,697,487	\$ 9,393,082
Total Design & Construction Expenses	\$ 17,430,113	\$ 40,663,642	\$ 21,257,015	\$ 32,187,614
General and Administrative Costs				
Salaries, Benefits	222,975	220,000	223,455	233,000
Bank Service Charges	833	1,000	949	1,000
Equipment and Software	1,410	2,000	1,046	2,000
Fiscal Agency Services	31,120	34,000	33,085	35,000
Audit Services	16,500	17,000	17,000	18,000
Meeting Expenses	-	1,000	100	1,000
Postage/Delivery	501	1,000	989	1,000
Printing/Photocopies	1,438	2,000	1,358	2,000
Professional Services	-	10,000	3,661	10,000
Supplies	143	3,000	626	3,000
Telecommunications/Internet	2,934	3,000	1,975	3,000
Travel	403	5,000	618	5,000
Insurance	484	1,000	484	1,000
Total General & Administrative Costs	278,741	\$ 300,000	\$ 285,346	315,000
Total Expenditures	17,708,854	\$ 40,963,642	\$ 21,542,361	32,502,614
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(4,254,194)	\$ (28,158,642)	\$ (9,034,438)	\$ (22,725,114)
OTHER FINANCING SOURCES				
Proceeds From Borrowing		-	\$ -	\$ -
NET CHANGE IN FUND BALANCE	\$ (4,254,194)	\$ (28,158,642)	\$ (9,034,438)	\$ (22,725,114)

Table 2
Estimated Project Expenditures 10.1.2020 -9.30.2021

Design & Construction Management		FY 2021
Engineering Design		
<i>W. O. #1 Program Mgmt.</i>		\$150,000
<i>W. O. #3 Preconstruction Activities</i>		\$50,000
<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>		\$250,000
<i>W.O. #14 MESD Field & Design</i>		\$700,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field & Design</i>		\$2,500,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>		\$385,054
<i>W.O. #19 Wood River LERRD's</i>		\$156,011
<i>Illinois DNR Fees</i>		\$3,000
Construction Management.		
<i>W. O. #? Construction Management BP #14, BP #15/16/17 & BP#18</i>		\$1,500,000
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.		\$5,719,065
Construction		
<i>Bid Package #11 - MESD</i>		\$4,747,000
<i>Bid Package #14A - MESD</i>		\$198,404
<i>Bid Package #18 - MESD</i>		\$1,871,384
<i>Bid Package #18A - MESD</i>		\$1,600,000
<i>Contingency (10% FPD Construction)</i>		\$841,679
<i>Utilities</i>		\$600,000
<i>Property Acquisition Authorized Level - Wood River</i>		\$500,000
<i>Property Acquisition Authorized Level - East St. Louis</i>		\$2,000,000
<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>		\$300,000
<i>Corps of Engineers Authorized Level Costs</i>		\$500,000
TOTAL CONSTRUCTION		\$15,758,467
TOTAL ENGINEERING DESIGN & CONSTRUCTION		\$21,477,532
REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS		\$1,000,000

Operations & Financing	
<i>General & Administrative</i>	\$315,000
<i>Debt Service</i>	\$9,393,082
<i>Professional Services</i>	
<i>Legal</i>	\$240,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
TOTAL OPERATIONS	\$10,025,082
TOTAL EXPENSES	\$32,502,614

Table 3

Estimated Authorized Level Funding Needed FY 2021 to FY2023

<i>Bid Package #18- MESD</i>	\$1,871,384
<i>Bid Package #14A- MESD</i>	\$198,404
<i>Bid Package #14B- MESD</i>	\$2,900,000
<i>Bid Package #14C- MESD</i>	\$6,100,000
<i>Bid Package #18A- MESD</i>	\$2,300,000
<i>Bid Package #9 - WOOD RIVER</i>	\$2,000,000
<i>Bid Package #11- MESD</i>	\$10,100,000
<i>Bid Package #15 - PDP/FL</i>	\$16,300,000
<i>Bid Package #16 - PDP/FL</i>	\$6,800,000
<i>Bid Package #17 - PDP/FL</i>	\$8,143,200
<i>Engineering Design & Construction Management</i>	\$14,970,050
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$16,452,379
<i>General & Administrative and Professional Services</i>	\$2,011,000
CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED	\$90,146,417

Estimated Available Authorized Level Funding FY2021 to FY2023

<i>Cash & 2015 Bond Project Funds (9/30/2020)</i>	\$29,155,047
<i>County FPD Tax Funds (9/30/2020)</i>	\$36,255,936
<i>Additional Sales Tax Revenue After Debt Service</i>	\$1,472,340
<i>Interest</i>	\$615,000
Available Funding	\$67,498,323
Current Estimated Shortage FY2021-FY2023	\$22,648,094
FY2024 Costs	\$3,170,500
Estimated Total Shortage	\$25,818,594

He offered to answer any questions that anyone had.

He confirmed the \$300,000 for Legal under the Construction section was for land acquisition and included \$260,000 for Husch Blackwell, \$20,000 for the Law Offices of Thomas Schooley and \$20,000 for the Craney Law Group. There are a tremendous number of temporary and permanent easements needed for the Authorized Level projects, and this is our best estimate for FY 2021.

Dr. Moore asked for a motion to accept Mr. Etwert's report on the Draft FY 2021 Flood Prevention District Council Budget. A motion was made by Mr. Parks, with a second by Mr. Brinkman to accept Mr. Etwert's report on the Draft FY 2021 Flood Prevention District Council Budget. Mr. Plank called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Corps of Engineers Update

Dr. Moore asked Ms. Kelsey to provide the report from the Corps.

Ms. Kelsey discussed her normal 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

- July 23rd site visit for COL Golinghorst, CG Holland, and various other District Engineers, Deputy District Engineers and Division personnel. Plan to stop at Wood River batch plant site, Cpl Belchik Expy, ESTL Deep Cutoff Wall and WIK BP18.

- COL Golvinghorst assumes MVS command on July 24.

- **East St. Louis**
 - Deep Cutoff Wall
 - Test section is complete
 - Test Section boring verification report under review
 - Construction of guide wall and work platform continue
 - WIK efforts for BP 11, BP 14, BP 18 continue
 - Next USACE contract awards are scheduled for 2021. MVS continues design efforts on relief wells and toe drain including design coordination with the railroad
 - Continued coordination for additional real estate acquisition required
 - Entry to Veolia site for borings provided on July 6. Boring contractor to start July 13.

- **Wood River**
 - Construction contract award on hold due to real estate acquisition
 - Received Right of Entry needed to perform remaining pilot hole drilling – waiting for water to recede to initiate drilling
 - Contract awards are anticipated in FY21

Lastly, she again emphasized the need to stay on track and obtain the necessary ROWs needed to build the required projects and the impact if needed real estate isn't achieved.

Metro East Projects - Real Estate Critical Path

	Project	Preliminary ROW Provided	ROW NTP Issued	ROW Acquisition Deadline	Contract Award	Consequence
Wood River	BP8 22 RW/PS		17-Jun-19	15-Jul-20	FY21	Delayed execution of existing funds and potential impact on request for funds to complete. Plan is to bid these packages together.
	3 PS		2-Dec-19	17-Jul-20	FY21	
	RW #1		9-May-19	15-Jul-20	FY21	> 6 month delay requires a new BCOES Review
MESD	BP 12 PH 1	26-Dec-19	3-Apr-20	16-Nov-20	26-Feb-21	Delayed project execution and potential increased construction costs
	Toe Drain/RW	31-Jul-19	13-Sep-19	14-Apr-21	18-Sep-21	
	BP12 PH 2 RW/PS	14-Feb-21	1-Jun-21	1-Apr-22	29-Aug-22	
	BP 12 PH 3 RW	5-Apr-21	1-Jun-21	1-Apr-22	29-Aug-22	
	BP 14 PH 2 Berms	30-Mar-21	1-Jul-21	13-May-22	6-Sep-22	

RW - Relief Wells PS - Pump Station

Dr. Moore thanked Ms. Kelsey and asked for a motion to accept the Corps of Engineers Update Report. A motion was made by Mr. Schwind, with a second by Mr. Conrad on the motion. The motion was approved unanimously by voice vote.

Public Comment

Dr. Moore asked if there was any public comment. There was none.

Other Business

Dr. Moore asked if there was any other business. There was none.

Dr. Moore requested Ms. Kelsey to provide a summary of the discussion points from the meetings with the incoming leadership and the levee districts.

Mr. Etwert indicated the August Board meeting would be another “Zoom” meeting and would include the approval of the FY 2021 Budget, approval of the 2019-2020 Annual Report, and the Election of Officers for 2020-2021,

Adjournment

Dr. Moore 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.

Respectfully submitted,

Jeremy Plank,
Secretary/Treasurer, Board of Directors



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for August 2020
Date: August 13, 2020

100-Year Certification Packages Status

On April 29, 2019 FEMA accepted the MESD Levee System as structurally sound.

On November 14, 2019, FEMA issued their letter of continued accreditation for the Prairie Du Pont/Fish Lake Levee System.

Wood continues to wait for approval from Illinois State Water Survey (ISWS), pending approval from Illinois Department of Natural Resources, Office of Water Resources (IDNR-OWR). On April 14, 2020, Wood received comments from IDNR-OWR on the submittal of November 19, 2020. On April 24, 2020, Wood responded to IDNR-OWR comments with an updated submittal. Wood reached out to IDNR in late June for an update and on July 17, received another round of comments. Wood will have responses to the new IDNR-OWR comments submitted within the next week. Once IDNR-OWR approval is received, a final submittal will be made to FEMA including all up-to-date documentation.

FEMA's issuance of continued accreditation letters for the Wood River East & West Forks, and Lower Wood River Systems is dependent on ISWS and IDNR-OWR approvals.

The Corps of Engineers continues to wait on FEMA regarding their Upper Wood River resubmittal.

500-Year Authorized Level Status

Wood River Levee System

Wood has completed the design of Bid Package #8. USACE plans to bid the project in FY 2021. Land acquisition for Bid Package #8 and other USACE specific packages continues.

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 – Relief well construction is well underway, still waiting for lower river stages to complete pump station modifications and forebay work.

Bid Package #14A – Underseepage Controls from 861+00 to 863+00 is still in the construction submittal review phase, with construction tentatively planned for late August 2020, if the river cooperates (Bid Package #14A requires a very low river (<13 feet) to safely construct).

Bid Package #11 – Design was submitted for 60% review to USACE on July 23rd. USACE is currently reviewing the documents. Design is anticipated to be completed in the fall with a bid before the end of the year or early next year. The preliminary estimated construction cost is \$10,100,000 dollars.

Bid Package #18A – A report summarizing the results and scope recommendations is currently being prepared and is expected to be issued in the near future.

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

Wood is developing a Section 408 review schedule to work through with the USACE. Wood is currently evaluating the number of borings that can be completed in short order, with land rights currently being reviewed with the intent of limiting the number of disruptions to property owners in the District's boundary. Drilling is tentatively scheduled for fall 2020 and would continue into the winter.

Once all discussions are complete, designs, bid schedules, and revised cost estimates for Bid Packages #15, #16, and #17 will be developed.

On July 23, 2020, I met with representatives of the USACE, Major General Diana Holland, Commander of the Mississippi Valley Division and Colonel Kevin Golinghorst St. Louis District Commander at Bid Package #18 construction site. Both have recently assumed these commands.

Major General Holland indicated, she had heard many good things about the work the Council is doing. During the site meeting, I requested Major General Holland assistance in obtaining funding (other than Benefit/Cost Ratio method) for the Prairie Du Pont/Fish Lake Levee Systems.

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
August 2020**

Wood Project No. 563170001
Period Ending Date: August 10, 2020

Date of Issue: August 10, 2020

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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 cutoff 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

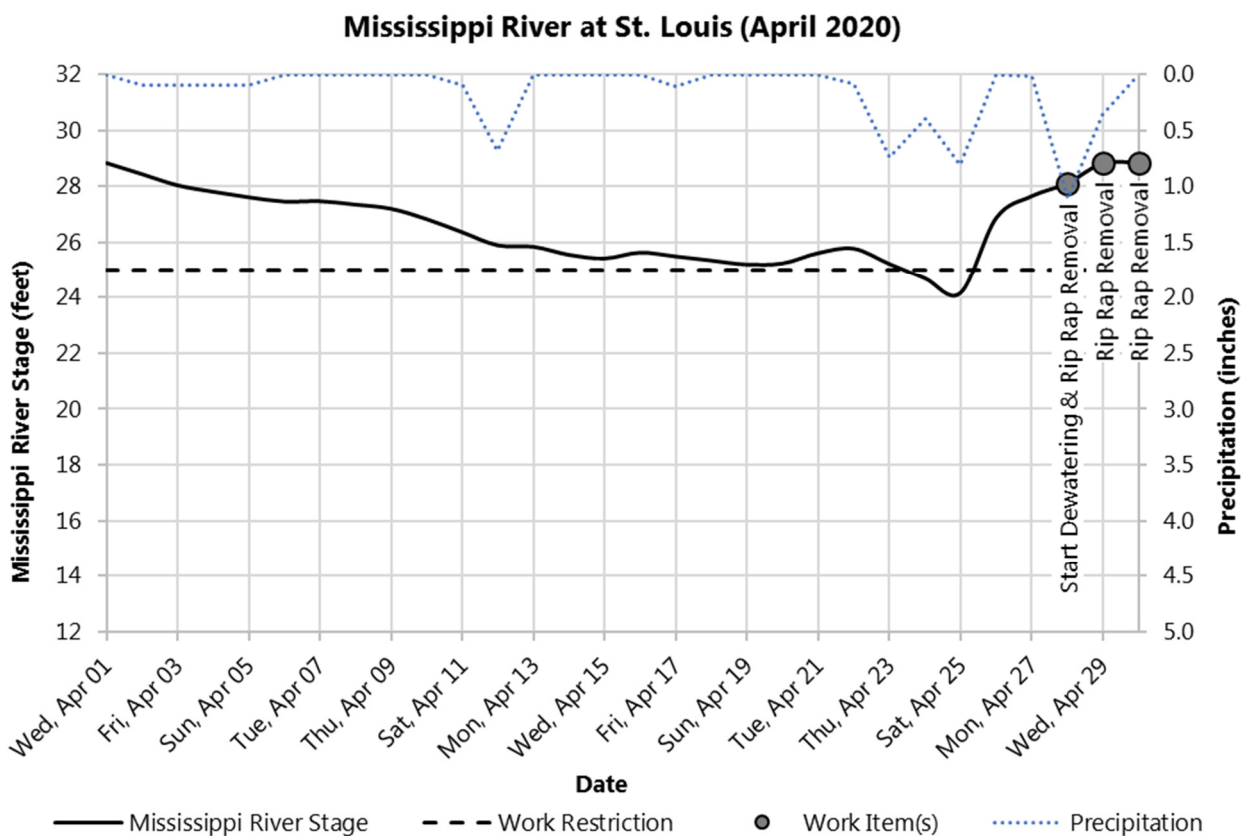
Program Manager	Jay Martin, PE, 615.333.0630 jay.martin@woodplc.com
Project Manager	Jon Omvig, AICP, 636.200.5118 jon.omvig@woodplc.com
Engineer of Record (Civil)	Randy Cook Jr., PE, 636.200.5125 randy.cook@woodplc.com
Engineer of Record (Geotechnical)	Mary Knopf, PE, 502.333.4391 mary.knopf@woodplc.com
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

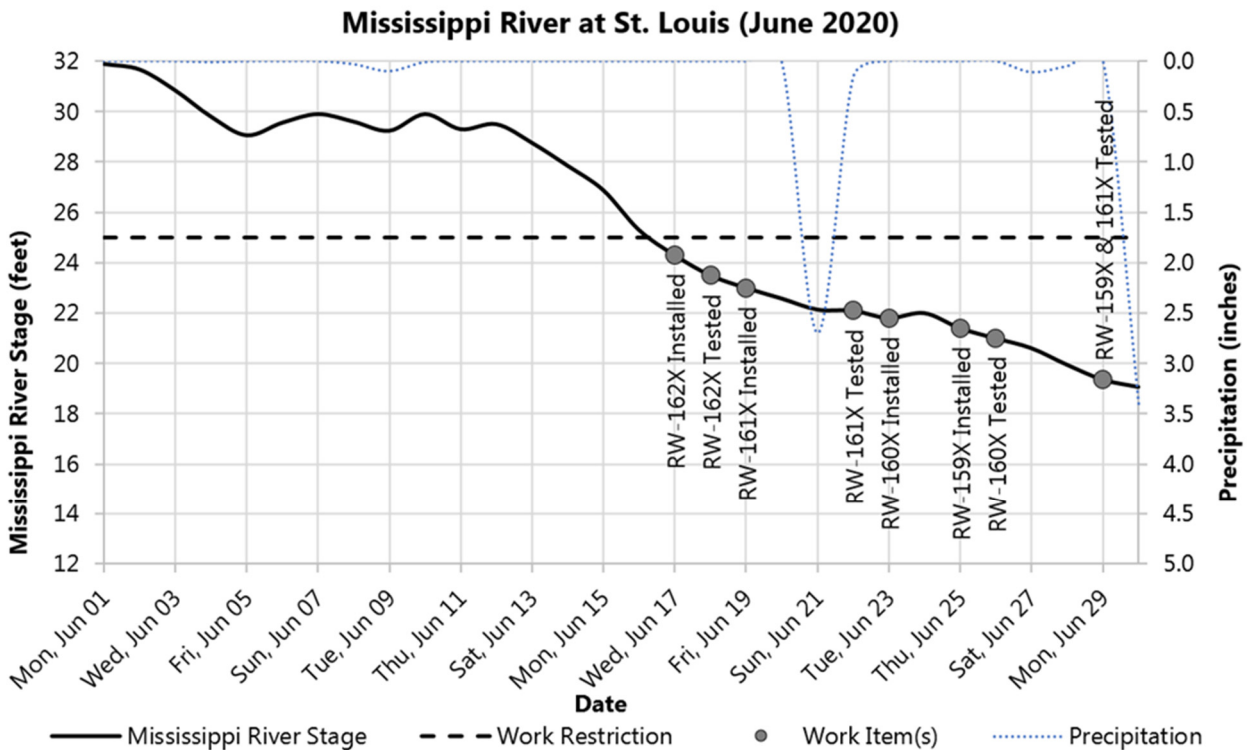
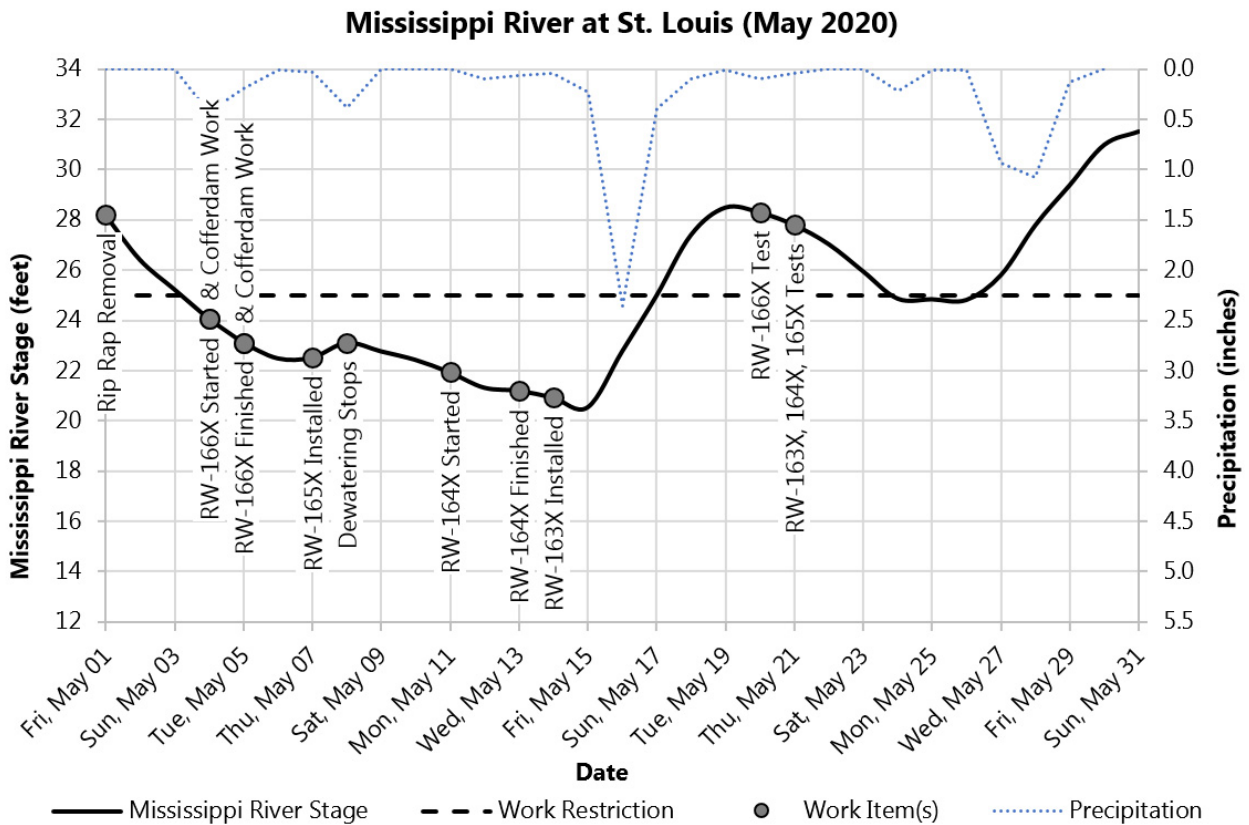
2. HEALTH, SAFETY, SECURITY, ENVIRONMENT (HSSE)

2.1 HSSE Reports

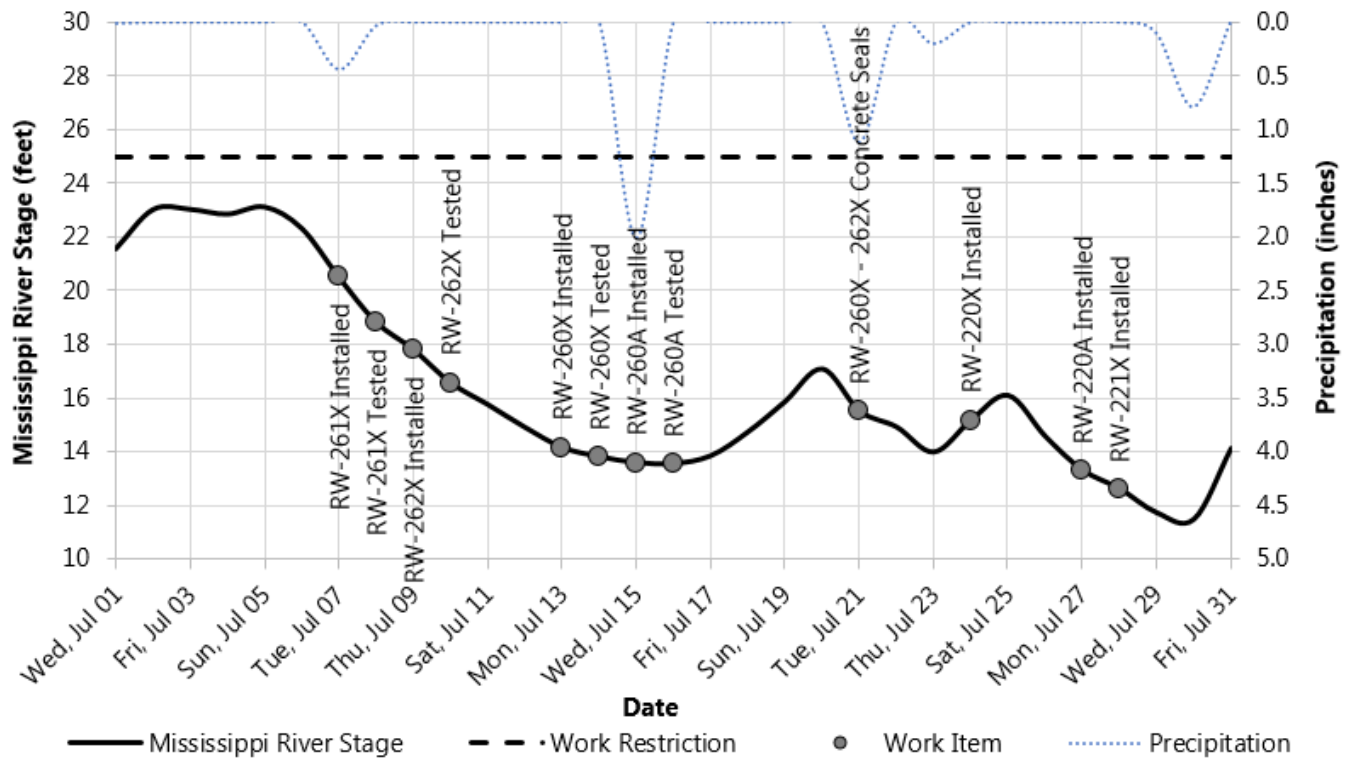
Health/Safety									
The Contractor(s) conduct weekly toolbox safety talks.									
Security									
We have had some issues with local vandals. We are working with local law enforcement to prevent further instances.									
Environment (SWPPP)									
Forms submitted as required									
River Stage Restrictions									
The project specifications dictate that excavations shall cease when the Mississippi River Stage is:									
<table><tr><td>Bid Package</td><td>River Stage</td><td>River Elevation</td></tr><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></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 (July 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	TBD
Contract completion date	<i>Final completion November 30, 2020.</i>
Final Walk Through	TBD
Final Acceptance	N/A

3.1.2 Progress

- Currently in submittal review phase
- Realistically the Mississippi River stage will need to be below 13 feet before field work on this project can begin

3.1.3 Property Acquisition

- America's Central Port - Complete

3.1.4 Levee Board Considerations

- None

3.1.5 Submittals

- Submittals are in progress

3.1.6 Change Orders

- N/A

3.1.7 QC/QA Activities

- Complete to date

3.1.8 Considerations

- None at this time

3.1.9 Payment Progress

- No Work since the last period; therefore, no construction invoice since the June 5, 2020 Monthly Construction Progress Report.
- See Contract Invoice Log attached

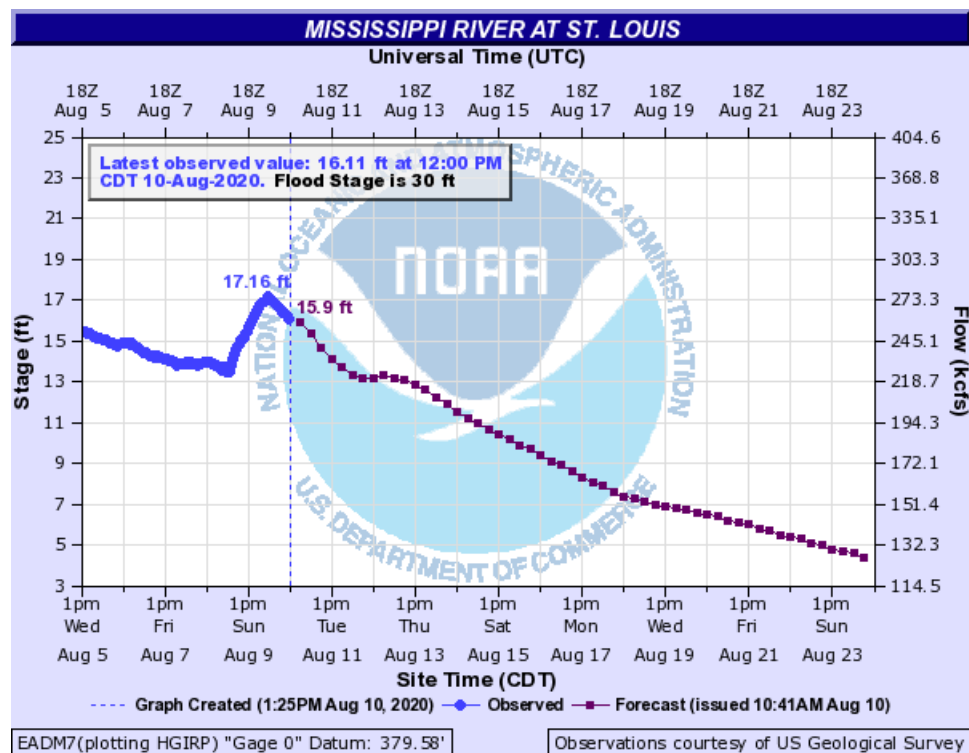
3.2 Bid Package 18

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, 2020.</i>
Final Walk Through	TBD
Final Acceptance	N/A

3.2.2 Progress

- Fifteen (15) of the fifty (50) relief wells have been installed. Twelve (12) of these wells were developed and pump tested 5/18/2020 – 7/16/2020. Eight (8) of those wells have had bentonite seals placed on top of filter pack, while four (4) others have had concrete seals placed on top of filter pack. Relief well drilling is ongoing as weather and water elevations permit. The current river projection is below:



- The contractor began work in Fill Area 2. They stripped vegetation and topsoil, and stockpiled it adjacent to the fill for future use. They surveyed the area before and after stripping to create a baseline topo.

- The contractor is getting prepared to pour additional concrete seals at the previously installed wells along the Conoco Phillips reach.

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 scheduled for FPD Council Board Approval on August 19, 2020
- 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:	\$ 0.00
Total Change Order Amount:	\$ 0.00
Total Revised Contract Amount:	\$ 905,000.00

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

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 (Added 2 feet to the riser length on 8 of the Type "T" relief well manholes)
Total Change Order Amount:	\$ 7,176.00
Total Revised Contract Amount:	\$ 4,805,594.20

Payment Request No.	Pay Request Date	Pay Request Recommended Approval Date	Total Completed to Date (\$)	Amount Retained (10% to 50%) then (5% to 95%)	Total Earned Less Retained (\$)	Amount Invoiced (\$)	Date Paid by FPD	Estimate to Complete Including Retainage (\$)
1	3/31/2020	4/9/2020	\$109,038.87	\$10,903.89	\$98,134.98	\$98,134.98	4/10/2020	\$4,700,283.22
2	5/7/2020	5/14/2020	\$281,792.87	\$28,179.29	\$253,613.58	\$155,478.60	5/14/2020	\$4,544,804.62
3	6/7/2020	7/22/2020	\$597,279.99	\$59,728.00	\$537,551.99	\$283,938.41	7/23/2020	\$4,260,866.21
4	7/15/2020	7/23/2020	\$776,708.35	\$77,670.85	\$699,037.51	\$161,485.51	7/23/2020	\$4,099,380.70
5	8/7/2020	Pending	Pending	Pending	Pending	Pending		

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
Bid Package Name:	Underseepage Controls from 1207+00 to 1352+00

Original Contract Amount:	\$ 4,798,418.20
Change Orders Total:	\$ 177,705.06
Total Revised Contract Amount:	\$ 4,976,123.26

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

Original Contract Value: \$4,798,418.20

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		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	Add 2 feet to 8 T-Type Relief Well Manholes.	Design, Field, & Other	\$ 170,529.06	N/A	N/A	N/A	3.55%	8/19/2020	Pending	Add 13 piezometers (design change), new check valve (field change), & time extension for high river stage (other change).



Memo to: Board of Directors
From: Chuck Etwert
Subject: Budget and Disbursement Report for July 2020
Date: August 13, 2020

Current Budget Highlights

Attached is the financial statement for July 2020 prepared by our fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the month ending July 31, 2020, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2019 thru July 31, 2020 are \$17,164,144 while revenues amounted to \$10,695,836 resulting in a deficit of \$6,468,308. A total of \$36,255,936 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$965,224 for May 2020 were down 12.58% from last year. This was much better than April receipts which were down 20.15%. Receipts for the year are down 5.80% from last year.

Even with the May receipts being better than the April receipts, with the unknown future of the COVID-19 situation, I believe our budget projection of a 25% reduction in receipts for FY 2021 is a good conservative estimate.

Monthly Disbursements

Attached is the list of bank transactions for July 2020. Total disbursements for July were \$669,474.83. Largest payments were to Keller Construction and Wood.

Recommendation: Accept the budget and disbursement report for July 2020.

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

**GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES – BUDGET AND ACTUAL
TEN MONTHS ENDED JULY 31, 2020 AND 2019**

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, 2020 and 2019, 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, 2020 and 2019, 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 6, 2020

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			VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL	ACTUAL	
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	12,805,000	12,805,000	10,695,836	2,109,164
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction	5,250,032	5,250,032	1,575,573	3,674,459
Management				
Construction	20,170,000	20,170,000	876,098	19,293,902
Construction and design by US ACE	2,772,851	2,772,851	2,445,961	326,890
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)
Bond Underwriter/Conduit Issuer	12,000	12,000	8,719	3,281
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	898,500	898,500	976,096	(77,596)
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	(853,711)	(853,711)	(259,311)	(594,400)
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
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	1,000	1,000	484	516
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>

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
TEN MONTHS ENDED JULY 31, 2019 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2019 (Budget)**

	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
	ORIGINAL	FINAL		
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,475,000	\$ 12,475,000	\$ 10,045,105	\$ 2,429,895
Interest Income	280,000	280,000	915,918	(635,918)
Other Contributions	-	-	-	-
Total Revenues	12,755,000	12,755,000	10,961,023	1,793,977
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	7,869,377	7,869,377	2,474,623	5,394,754
Construction	20,527,970	20,527,970	80,838	20,447,132
Construction and design by US ACE	3,500,000	3,500,000	1,550,000	1,950,000
Total Design and Construction	31,897,347	31,897,347	4,105,461	27,791,886
Professional Services				
Legal & Legislative Consulting	322,500	322,500	44,443	278,057
Financial Advisor	65,000	65,000	20,947	44,053
Bond Underwriter/Conduit Issuer	12,000	12,000	9,959	2,041
Total Professional Services	399,500	399,500	75,349	324,151
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,243,675	1,243,675	907,890	335,785
Monroe County	118,750	118,750	87,137	31,613
St. Clair County	1,137,575	1,137,575	841,234	296,341
Total Refund of Surplus Funds to County	2,500,000	2,500,000	1,836,261	663,739
Debt Service				
Principal and Interest	10,876,570	10,876,570	10,876,570	-
Federal Interest Subsidy	(850,070)	(850,070)	(426,856)	(423,214)
Total Debt Service	10,026,500	10,026,500	10,449,714	(423,214)
Total Operating Expenses	44,823,347	44,823,347	16,466,785	28,356,562
General and Administrative Costs				
Salaries, Benefits	213,000	213,000	167,367	45,633
Bank Service Charges	1,200	1,200	669	531
Equipment and Software	2,000	2,000	1,022	978
Fiscal Agency Services	32,000	32,000	26,300	5,700
Audit Services	16,500	16,500	16,500	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	1,000	1,000	447	553
Printing/Photocopies	2,500	2,500	970	1,530
Professional Services	10,000	10,000	-	10,000
Supplies	3,000	3,000	143	2,857
Telecommunications/Internet	3,000	3,000	1,834	1,166
Travel	5,000	5,000	184	4,816
Insurance	1,000	1,000	484	516
Total General & Administrative Costs	291,200	291,200	215,920	75,280
Total Expenditures	45,114,547	45,114,547	16,682,705	28,431,842
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(32,359,547)	(32,359,547)	(5,721,682)	26,637,865
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (32,359,547)</u>	<u>\$ (32,359,547)</u>	<u>\$ (5,721,682)</u>	<u>\$ 26,637,865</u>

Flood Prevention District Sales Tax Trends 2009-2020

	2009												County Share	
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December		Total
Total Month	\$691,588	\$732,364	\$859,811	\$824,537	\$874,802	\$900,479	\$849,401	\$849,169	\$868,594	\$859,754	\$893,068	\$1,124,290	\$10,327,857	
Total Month	\$757,374	\$808,220	\$960,768	\$946,214	\$924,312	\$953,709	\$895,275	\$898,581	\$886,633	\$902,537	\$946,242	\$1,167,140	\$11,047,005	
Total Month	\$782,320	\$813,966	\$956,883	\$937,357	\$945,180	\$999,204	\$914,984	\$950,403	\$931,850	\$899,687	\$949,484	\$1,183,395	\$11,264,713	
Total Month	\$780,668	\$860,871	\$987,625	\$949,415	\$997,002	\$996,492	\$896,548	\$921,748	\$912,018	\$899,040	\$929,472	\$1,163,485	\$11,294,384	
Total Month	\$794,931	\$818,376	\$919,593	\$905,383	\$963,366	\$961,791	\$902,250	\$919,787	\$905,288	\$893,572	\$927,728	\$1,114,251	\$11,026,316	
Total Month	\$770,978	\$819,459	\$964,694	\$941,905	\$995,682	\$1,011,479	\$929,249	\$935,226	\$938,283	\$929,126	\$947,722	\$1,165,623	\$11,349,426	
Total Month	\$822,161	\$813,702	\$954,534	\$937,146	\$987,590	\$1,018,166	\$933,276	\$955,803	\$955,617	\$952,766	\$948,234	\$1,199,694	\$11,478,688	
	2016													
Madison	\$395,852	\$411,203	\$475,278	\$456,249	\$478,524	\$494,024	\$452,132	\$458,210	\$470,096	\$475,402	\$484,213	\$567,037	\$5,618,218	48.639%
St. Clair	\$372,259	\$406,919	\$474,256	\$423,758	\$448,782	\$480,827	\$436,971	\$434,488	\$445,274	\$426,875	\$453,732	\$581,743	\$5,385,884	46.628%
Monroe	\$40,343	\$38,630	\$45,925	\$48,147	\$46,862	\$46,530	\$44,151	\$43,946	\$44,775	\$47,195	\$43,931	\$56,287	\$546,721	4.733%
Total Month	\$808,455	\$856,751	\$995,459	\$928,154	\$974,167	\$1,021,380	\$933,254	\$936,644	\$960,144	\$949,471	\$981,877	\$1,205,068	\$11,550,824	
Cumulative Total	\$808,455	\$1,665,206	\$2,660,665	\$3,588,818	\$4,562,986	\$5,584,366	\$6,517,619	\$7,454,264	\$8,414,408	\$9,363,879	\$10,345,756	\$11,550,824		
% change/month	-1.67%	5.29%	4.29%	-0.96%	-1.36%	0.32%	0.00%	-2.00%	0.47%	-0.35%	3.55%	0.45%		
% change/total	-1.67%	1.79%	2.71%	1.74%	1.06%	0.92%	0.79%	0.43%	0.43%	0.35%	0.65%	0.63%	0.63%	

Flood Prevention District Sales Tax Trends 2009-2020

2017

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$415,258	\$430,036	\$504,211	\$491,654	\$526,342	\$520,314	\$491,546	\$503,604	\$498,967	\$498,088	\$515,011	\$590,042	\$5,985,073
St. Clair	\$372,274	\$401,535	\$478,561	\$447,083	\$470,278	\$475,488	\$434,801	\$452,641	\$452,607	\$448,381	\$469,634	\$571,184	\$5,474,466
Monroe	\$41,692	\$40,595	\$46,453	\$46,375	\$48,562	\$48,715	\$46,928	\$47,831	\$49,327	\$49,432	\$48,091	\$57,529	\$571,530
Total Month	\$829,224	\$872,167	\$1,029,226	\$985,112	\$1,045,182	\$1,044,517	\$973,275	\$1,004,076	\$1,000,900	\$995,901	\$1,032,735	\$1,218,755	\$12,031,070
Cumulative Total	\$829,224	\$1,701,391	\$2,730,617	\$3,715,729	\$4,760,911	\$5,805,428	\$6,778,703	\$7,782,779	\$8,783,679	\$9,779,580	\$10,812,315	\$12,031,070	
% change/month	2.57%	1.80%	3.39%	6.14%	7.29%	2.27%	4.29%	7.20%	4.24%	4.89%	5.18%	1.14%	
% change/total	2.57%	2.17%	2.63%	3.54%	4.34%	3.96%	4.01%	4.41%	4.39%	4.44%	4.51%	4.16%	4.16%

2018

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$443,850	\$446,844	\$534,938	\$504,589	\$559,962	\$545,446	\$513,918	\$523,807	\$504,297	\$520,584	\$529,285	\$582,616	\$6,210,136
St. Clair	\$396,750	\$397,343	\$483,255	\$441,038	\$487,559	\$491,515	\$446,749	\$464,302	\$454,152	\$453,626	\$478,027	\$553,293	\$5,547,610
Monroe	\$43,425	\$40,823	\$48,929	\$47,933	\$54,616	\$50,298	\$49,686	\$48,134	\$49,971	\$53,079	\$48,778	\$55,188	\$590,860
Total Month	\$884,025	\$885,009	\$1,067,122	\$993,560	\$1,102,138	\$1,087,259	\$1,010,353	\$1,036,244	\$1,008,420	\$1,027,289	\$1,056,091	\$1,191,097	\$12,348,606
Cumulative Total	\$884,025	\$1,769,033	\$2,836,155	\$3,829,715	\$4,931,852	\$6,019,112	\$7,029,465	\$8,065,709	\$9,074,129	\$10,101,418	\$11,157,509	\$12,348,606	
% change/month	6.61%	1.47%	3.68%	0.86%	5.45%	4.09%	3.81%	3.20%	0.75%	3.15%	2.26%	-2.27%	
% change/total	6.61%	3.98%	3.87%	3.07%	3.59%	3.68%	3.70%	3.64%	3.31%	3.29%	3.19%	2.64%	2.64%

2019

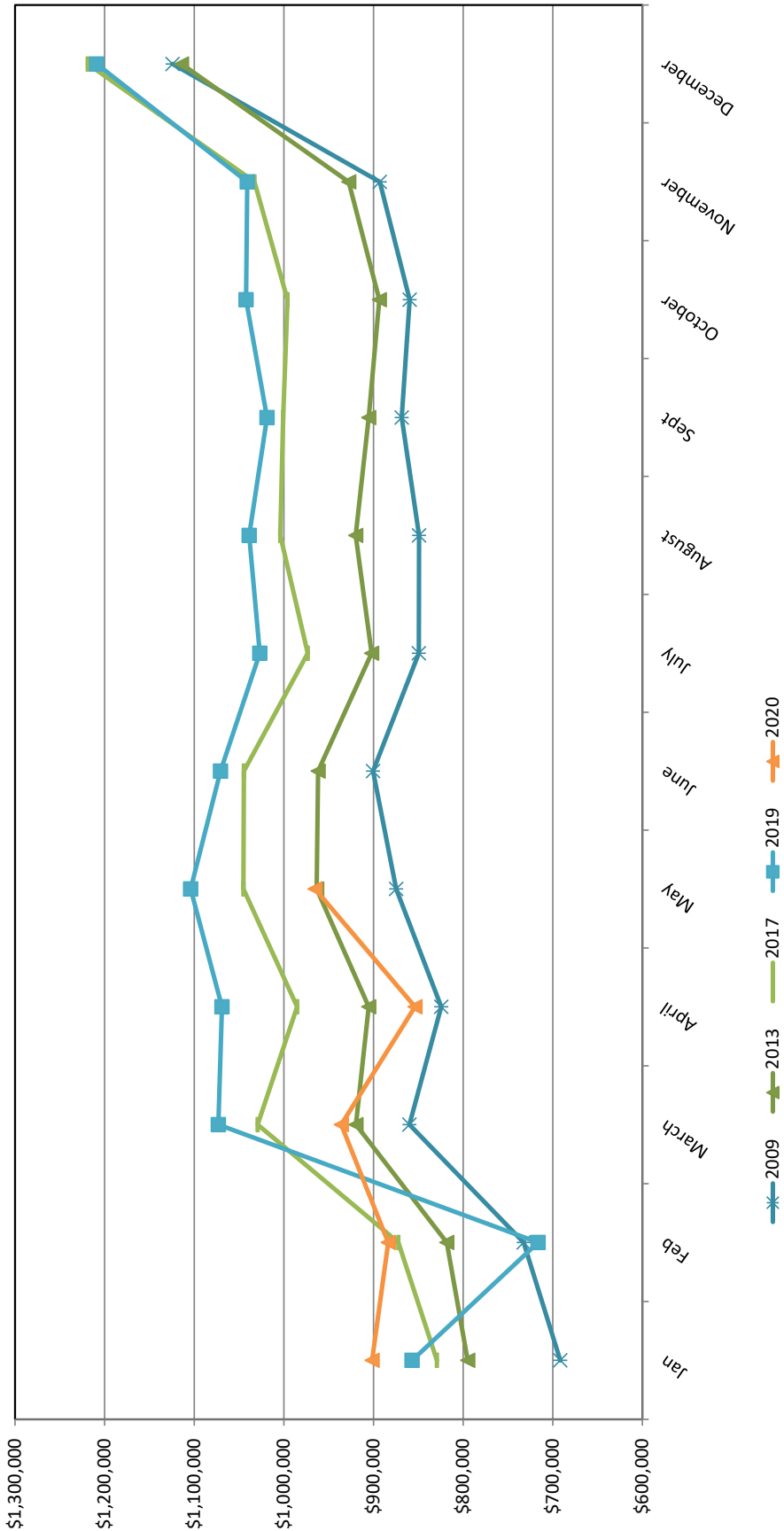
	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$440,766	\$292,073	\$541,776	\$564,760	\$566,362	\$544,462	\$527,639	\$526,931	\$511,146	\$535,370	\$522,630	\$600,778	\$6,174,691
St. Clair	\$372,163	\$384,592	\$481,112	\$452,586	\$483,774	\$478,864	\$449,788	\$464,817	\$460,785	\$458,317	\$468,266	\$551,365	\$5,506,430
Monroe	\$43,983	\$39,680	\$50,326	\$51,795	\$53,953	\$47,416	\$49,435	\$46,984	\$46,829	\$48,537	\$49,992	\$56,827	\$585,757
Total Month	\$856,912	\$716,345	\$1,073,214	\$1,069,141	\$1,104,088	\$1,070,741	\$1,026,862	\$1,038,732	\$1,018,760	\$1,042,225	\$1,040,888	\$1,208,970	\$12,266,878
Cumulative Total	\$856,912	\$1,573,257	\$2,646,470	\$3,715,611	\$4,819,699	\$5,890,441	\$6,917,303	\$7,956,035	\$8,974,795	\$10,017,020	\$11,057,908	\$12,266,878	
% change/month	-3.07%	-19.06%	0.57%	7.61%	0.18%	-1.52%	1.63%	0.24%	1.03%	1.45%	-1.44%	1.50%	
% change/total	-3.07%	-11.07%	-6.69%	-2.98%	-2.27%	-2.14%	-1.60%	-1.36%	-1.09%	-0.84%	-0.89%	-0.66%	-0.66%

2020

	Jan	Feb	March	April	May	June	July	August	Sept	October	November	December	Total
Madison	\$472,182	\$466,118	\$493,289	\$467,218	\$530,655								\$2,429,460
St. Clair	\$385,272	\$377,521	\$396,834	\$341,150	\$386,103								\$1,886,880
Monroe	\$44,081	\$39,874	\$45,921	\$45,337	\$48,466								\$223,678
Total Month	\$901,535	\$883,512	\$936,044	\$853,705	\$965,224								\$4,540,019
Cumulative Total	\$901,535	\$1,785,047	\$2,721,090	\$3,574,795	\$4,540,019								
% change/month	5.21%	23.34%	-12.78%	-20.15%	-12.58%								
% change/total	5.21%	13.46%	2.82%	-3.79%	-5.80%								

Flood Prevention District Sales Tax Trends 2009-2020

Monthly Receipts 2009-2013-2017-2019-2020



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
July 31, 2020**

Beginning Bank Balance as of July 1, 2020 **\$ 861,936.09**

Receipts

Busey Bank	07/08/2020	Deposit	76,890.00
UMB Bank	07/15/2020	Admin Transfer	1,843.95
UMB Bank	07/15/2020	Admin Transfer	39,225.68
UMB Bank	07/15/2020	Construction Transfer	243,770.98
UMB Bank	07/15/2020	Construction Transfer	660,450.71
Busey Bank	07/31/2020	Interest	421.55

\$ 1,022,602.87

Disbursements

Wood River Drainage and Levee District	07/02/2020	Construction	4,162.00
Busey Bank	07/02/2020	Wire Fee	15.00
Busey Bank	07/02/2020	Wire Fee	15.00
Zoom Video Conferencing	07/06/2020	Publications/Dues	14.99
Wood Environmental	07/07/2020	Construction	178,045.09
Office Depot	07/07/2020	Supplies	36.28
UMB Bank	07/07/2020	Bond Trustee Fee	1,256.10
Walmart	07/08/2020	Supplies	49.72
USPS	07/13/2020	Postage	112.85
AT&T	07/13/2020	Telephone	133.51
Cost Less Copy Center	07/15/2020	Printing and Copying	201.60
UMB Bank	07/15/2020	Bond Trustee Fee	1,849.70
UMB Bank	07/15/2020	Bond Trustee Fee	1,499.90
Wood River Drainage and Levee District	07/15/2020	Construction	6,978.50
Wood River Drainage and Levee District	07/15/2020	Construction	6,463.00
Husch Blackwell	07/17/2020	Legal	18,934.50
Endicia	07/17/2020	Postage	50.00
CliftonLarsonAllen LLP	07/21/2020	Fiscal Agent	1,245.00
CliftonLarsonAllen LLP	07/22/2020	Fiscal Agent	1,245.00
Keller Construction	07/23/2020	Construction	283,938.41
Keller Construction	07/23/2020	Construction	161,485.51
Columbia Capital	07/24/2020	Financial Advisor	900.00
Columbia Capital	07/24/2020	Financial Advisor	796.25
Busey Bank	07/24/2020	Wire Fee	15.00
Busey Bank	07/24/2020	Wire Fee	15.00
Busey Bank	07/31/2020	Service Fees	16.92

\$ 669,474.83

\$ 1,215,064.13



Memo to: Board of Directors
From: Chuck Etwert
Subject: Design and Construction Update
Date: August 13, 2020

Attached is Wood's Design and Construction Update, which is included in the agenda package since the meeting is being conducted via teleconference. Jay Martin will present the Update during the meeting.

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



Progress Report August 19, 2020

Southwestern Illinois Levee Systems

By Jay Martin

woodplc.com



FEMA Submittal Summary

	Upper Wood River	E/W Forks Wood River	Lower Wood River	MESD	PDP/FL
County	Madison	Madison	Madison	Madison & St. Clair	St. Clair & Monroe
Initial Submittal	Mar. 10, 2017	Dec. 5, 2016	Oct. 17, 2018	Aug. 31, 2018	Jul. 6, 2017
FEMA Comments	Sep. 5, 2017	Jan. 26, 2018	Apr. 20, 2018	Mar. 2019	Jan. 26, 2018
2 nd Submittal	Jun. 18, 2018	Jun. 29, 2018	Jul. 13, 2018	Mar. 18, 2019	Jun. 29, 2018
FEMA Comments	Sep. 25, 2018	Sep. 24, 2018	Sep. 24, 2018	N/A	Sep. 24, 2018
Submit to ISWS	N/A	Oct. 24, 2018	Oct. 24, 2018	N/A	Oct. 24, 2018
ISWS Comments	N/A	Feb. 18, 2019	Feb. 19, 2019	N/A	Feb. 19, 2019
Resubmit to ISWS	N/A	Jul. 31, 2019	Jul. 31, 2019	N/A	N/A
ISWS / IDNR Comments	N/A	Aug. 7, 2019	Aug. 7, 2019	N/A	N/A
Resubmit to ISWS	N/A	Nov. 19, 2019	Nov. 19, 2019	N/A	N/A
IDNR Comments	N/A	Apr. 14, 2020	Apr. 14, 2020	N/A	N/A
Resubmit to IDNR	N/A	Apr. 24, 2020	Apr. 24, 2020	N/A	N/A
3 rd Submittal	Pending	Pending	Pending	N/A	Apr. 16, 2019
FEMA Comments				Apr. 29, 2019	Jul. 15, 2019
4 th Submittal					Jul. 24, 2019
FEMA Approval					Nov. 14, 2019



Authorized Level (~500-Year) Design

Wood River (Bid Packages 8, 9, & 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.



Authorized Level (~500-Year) Design

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

- Bid Packages 11
 - Currently being designed
 - 60% Submittal schedule to USACE this month
- Bid Package 12
 - Being Designed/Constructed by USACE



Authorized Level (~500-Year) Design

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

- Bid Package 14A
 - In Construction
- Bid Package 14B
 - Filter Blanket Under I-70 Bridge
 - Construction Postponed until USACE MESD Deep Cutoff Wall Project is complete (~2+ years)
 - ROW Acquisition from Terminal Railroad Association (TRRA) is underway



Authorized Level (~500-Year) Design

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

- Bid Package 18
 - In Construction
- Bid Package 18A
 - Pump Station Work in Cahokia, IL
 - Scope is being developed and will be coordinated with USACE.



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)
- USACE Risk Review is complete
- Working on Drilling Plans to begin drilling when river/weather/harvest allows.

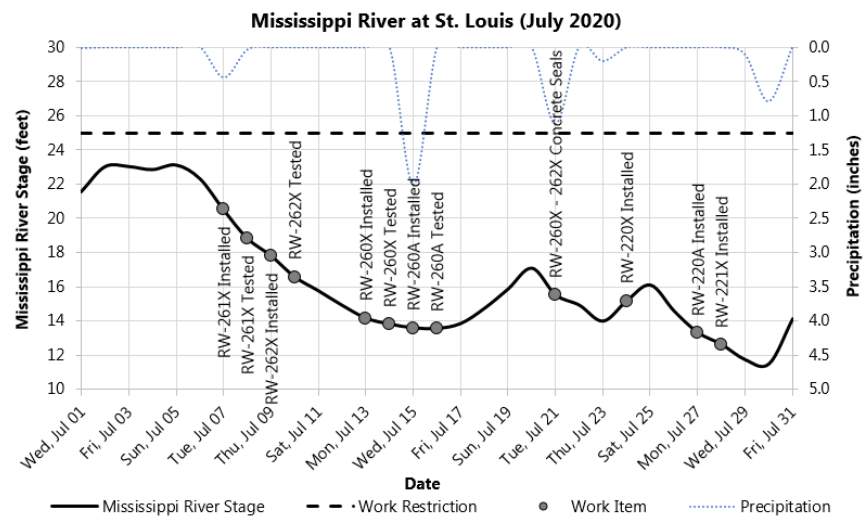


Construction Update

- Bid Package 14A
 - Submittal review is underway
 - Awaiting favorable river elevation (<13 feet)
- Bid Package 18
 - Submittal reviews complete
 - Construction has begun
 - **15 of 50 relief wells are complete**



Mississippi River History (July 2020)





Memo to: Board of Directors
From: Chuck Etwert
Subject: FY 2021 Annual Budget
Date: August 13, 2020

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.

Easements, high river stages, construction delays, and additional reviews have pushed accreditation back, but all accreditations should be completed in FY 2021.

The FY 2021 budget focuses on the continued design of Authorized Level projects and the construction of four Authorized Level Bid Packages.

Authorized Level construction anticipated in FY 2021 includes the completion of Bid Packages #18 & #14A, and the commencement of construction of Bid Packages #11 and 18A. 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.

The recommended FY 2021 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. As mentioned in the Budget and Disbursement Report, the budget assumes a 25% reduction in receipts for FY 2021 due to the COVID-19 situation.

Key assumptions are:

1. FEMA certification of all of the levee systems will be completed in FY 2021.
2. The level of Council staffing does not change in FY 2021, and general and administrative costs continue to remain a very small portion of the project expenditures (less than 1%). 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 decrease by 25% over previous estimates for FY 2021. 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 November 2021 and September 2022. There is currently \$36,255,936 in the County FPD sales tax funds.
9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers' utilization of the Risk Informed Process and Risk Assessment. The Council will continue to work with the Corps of Engineers regarding project priorities and design & construction responsibilities between the Corps and Wood.

Recommendation: Approve the proposed FY 2021 annual budget for the Council and authorize the Chief Supervisor to submit it to the Boards of Madison, Monroe, and St. Clair Counties as presented.

Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BUDGET
OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021**

	ACTUAL EXPENDITURES OCTOBER 1, 2018 THRU SEPTEMBER 30, 2019	ADOPTED BUDGET OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	PROJECTED EXPENDITURES OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020	PROPOSED BUDGET OCTOBER 1, 2020 THRU SEPTEMBER 30, 2021
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,219,935	\$ 12,455,000	11,673,713	\$ 9,427,500
Interest Income	1,234,725	350,000	834,210	350,000
Other Contributions			-	-
Total Revenues	\$ 13,454,660	\$ 12,805,000	\$ 12,507,923	\$ 9,777,500
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	2,966,840	5,250,032	2,203,140	5,719,065
Construction	401,131	20,170,000	4,474,695	15,258,467
USACE Authorized Level Costs	2,100,000	2,772,851	2,522,851	500,000
Total Design and Construction	\$ 5,467,971	28,192,883	9,200,686	21,477,532
Professional Services				
Legal & Legislative Consulting	69,764	297,500	96,726	240,000
Financial Advisor	23,299	65,000	92,454	65,000
Bond Trustee Fee	9,959	12,000	8,113	12,000
Total Professional Services	\$ 103,022	\$ 374,500	\$ 197,293	\$ 317,000
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	\$ 1,836,261	\$ 2,000,000	\$ 2,161,549	\$ 1,000,000
Debt Service				
Principal and Interest	10,876,570	10,949,970	9,956,798	9,393,082
Federal Interest Subsidy	(853,711)	(853,711)	(259,311)	-
Total Debt Service	\$ 10,022,859	\$ 10,096,259	\$ 9,697,487	\$ 9,393,082
Total Design & Construction Expenses	\$ 17,430,113	\$ 40,663,642	\$ 21,257,015	\$ 32,187,614
General and Administrative Costs				
Salaries, Benefits	222,975	220,000	223,455	233,000
Bank Service Charges	833	1,000	949	1,000
Equipment and Software	1,410	2,000	1,046	2,000
Fiscal Agency Services	31,120	34,000	33,085	35,000
Audit Services	16,500	17,000	17,000	18,000
Meeting Expenses	-	1,000	100	1,000
Postage/Delivery	501	1,000	989	1,000
Printing/Photocopies	1,438	2,000	1,358	2,000
Professional Services	-	10,000	3,661	10,000
Supplies	143	3,000	626	3,000
Telecommunications/Internet	2,934	3,000	1,975	3,000
Travel	403	5,000	618	5,000
Insurance	484	1,000	484	1,000
Total General & Administrative Costs	278,741	300,000	285,346	315,000
Total Expenditures	17,708,854	40,963,642	21,542,361	32,502,614
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(4,254,194)	\$ (28,158,642)	\$ (9,034,438)	\$ (22,725,114)
OTHER FINANCING SOURCES				
Proceeds From Borrowing		-	\$ -	\$ -
NET CHANGE IN FUND BALANCE	\$ (4,254,194)	\$ (28,158,642)	\$ (9,034,438)	\$ (22,725,114)

PROJECTED FUND BALANCE SEPTEMBER 30, 2020 \$58,681,207

PROJECTED FUND BALANCE SEPTEMBER 30, 2021 \$35,956,093



Memo to: Board of Directors

From: Chuck Etwert

Subject: Annual Report

Date: August 13, 2020

Attached is the proposed Annual Report for FY 2020. 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 2020 Annual Report to the county boards of St. Clair, Madison, and Monroe counties.

Southwestern Illinois Flood Prevention District Council

Annual Report 2019-2020



August 19, 2020



**Southwestern
Illinois
Flood Prevention
District Council**

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August 19, 2020

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

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County Board Chairman
St. Clair County
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Belleville, IL 62220-1623

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Hon. Kurt Prenzler
County Board Chairman
Madison County Administration Building
157 N. Main Street, Suite 165
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Chairmen Elmore, Kern, and Prenzler:

Charles M. Ewert
Chief Supervisor of
Construction and the Works

Transmitted herewith is the 2019-2020 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 2021 with all of the 100-Year Level of Protection construction completed. Five certification reports have been submitted to FEMA. Wood (formerly Amec Foster Wheeler) has submitted the Wood River East & West Forks Package, the Prairie DuPont/Fish Lake Package, and the Lower Wood River Package. The Corps of Engineers has submitted the Upper Wood River Package and the East St. Louis MESD Package.

a regional partnership to rebuild Mississippi River flood protection

The reviews by FEMA and designated state agencies have been very lengthy, with some taking up to five months, before comments were issued.

On April 29, 2019 FEMA accepted the MESD Levee System as structurally sound.

On November 14, 2019 FEMA issued their letter of continued accreditation for the Prairie Du Pont/Fish Lake Levee System.

Additional flow modeling was requested and submitted for the Cahokia Creek Diversion Channel, Indian Creek, Wood River, and the East/West Forks of Wood River to the Illinois State Water Survey (ISWS), with an additional review now required by the Illinois Department of Natural Resources, Office of Water Resources. Issuance of continued letters of accreditation should be forth coming upon completion of their review.

The Corps of Engineers is waiting for FEMA's response to their resubmittal of the Upper Wood River Levee System with a letter of continued accreditation expected before the end of the year.

The Council continues to be well on its way to achieving accreditation in FY 2021, using only the revenue available 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 2021 or 2022.

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 Sysytem 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. In addition, the Corps of Engineers has received \$95.2 million dollars of FY 2019 Work Plan Funds for East St. Louis. These Agreements and Work Plan Funds will be utilized on Authorized Level construction.

The Council's FY 2021 budget focuses on the continued design of Authorized Level projects, the completion of Authorized Level Bid Packages #14A and #18 construction, and the start of construction on Authorized Level Bid Packages #11 and #18A.

The May/June 2019 100-Year flood event (the second highest event on record at 45.93 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.

At this time, it appears the 2020 COVID-19 Pandemic will reduce the Council's sales tax receipts between twenty to twenty-five percent. The Council is still able to cover all current debt service costs at this new lower level of receipts.

A return to past sales taxes tax receipt levels will be needed for either additional bonding capacity or the utilization of a pay-as-u-go approach to satisfy the current projected fund shortage. Currently, additional funding is projected to be needed in 2023. Of course, everything is dependent on how fast the sales tax receipts recover.

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

Thank you for supporting 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 a large initial "C" and "E".

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 some 156,000 residents. Businesses in the area employ upwards of 55,000 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 2019-2020 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.

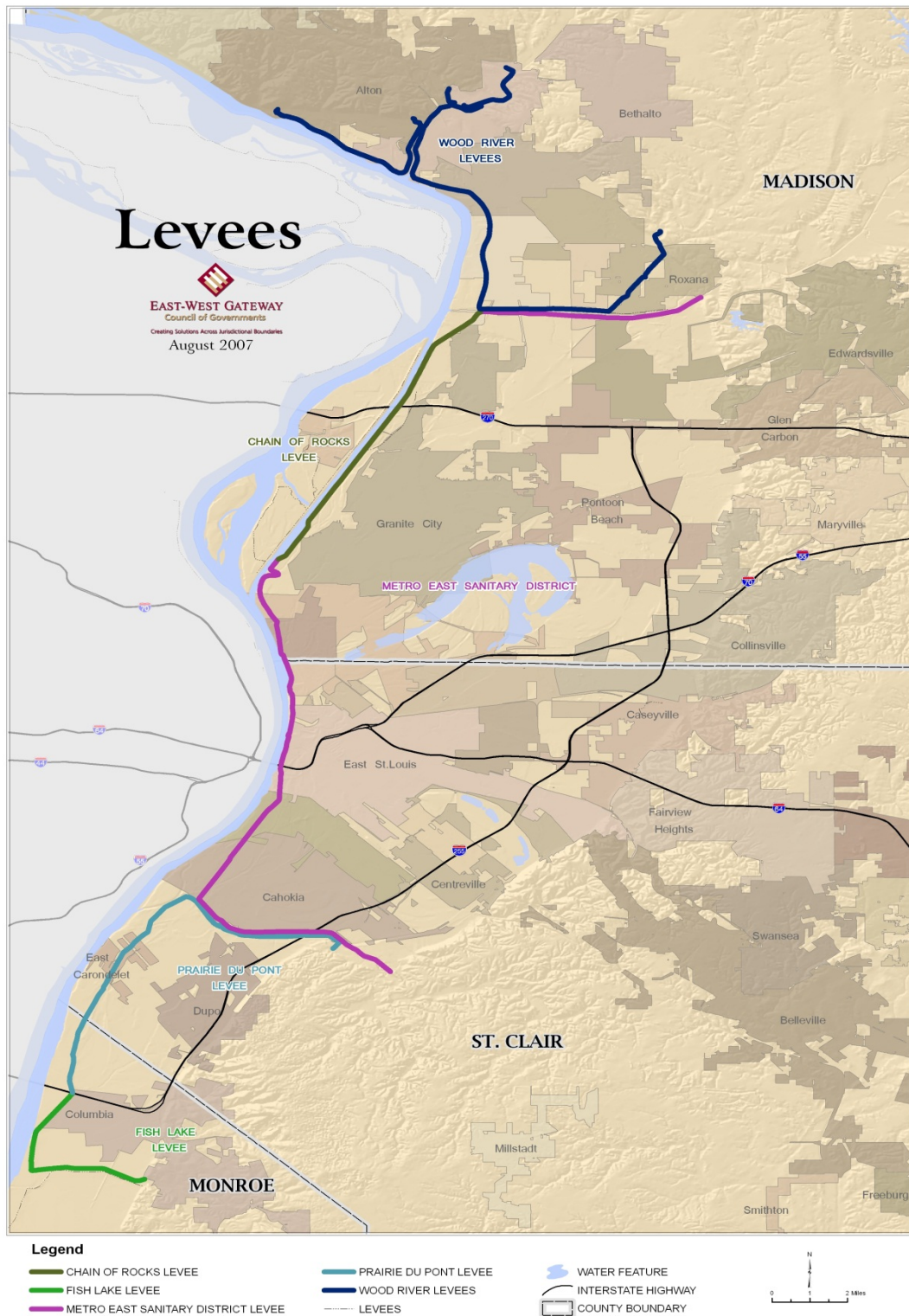
II. Background

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 156,000 people and 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 75 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. In part as a result of that 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 generated \$12.3 million dollars in 2018 and 2019.

III. FPD Council Activities

The following describes the work of the Council over its eleven-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

The Council's general goals have been to:

- assure compliance with FEMA accreditation standards with currently available revenue sources by late 2020 or early 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 shown 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 towards future Corps projects when the Corps is able to obtain funding.

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 Corps of Engineers reviewed the Project Labor Agreement issue for over two years. The Corps agreed that PLAs can contribute to project cost savings and efficiency, however, they indicated, they cannot mandate the use of PLAs.

In June 2016, the Corps tested the use of a Best Value Tradeoff Approach for the construction of the Wood River Shallow Cutoff Wall Phase II. The evaluation criteria was to give weight to proposals that include PLAs and demonstrate the ability to achieve economy and efficiency.

The Corps originally requested 35% Council cash funding for this project, with the Council countering with a request for Work In-Kind Credit in lieu of cash. The Corps agreed to the Work In-Kind Credit but then determined that it could not be utilized until after the amendment of the Project Partnership Agreement, which would take up to a year. Therefore, the Corps decided to proceed utilizing only federal funds to build the project.

The Corps awarded the contract to Mi-Con, a division of Michels Corporation, whose proposal did not include a Project Labor Agreement (PLA). None of the four proposals received had a PLA. Therefore, per the Council's policy of requiring Project Labor Agreements on all construction contracts, the Council future participation with the Corps utilizing the Best Value Tradeoff Approach is very unlikely.

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 take at least twenty-four months. The amended Project Partnership Agreement for the Wood River Levee System was recently executed on July 26, 2019. During this time delay, the Council accumulated \$16,041,496 of Work In-Kind Credit which will be utilized on the Wood River Levee System.

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

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

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

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

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

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

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

risk factors changes project priorities and design responsibilities between the Corps of Engineers and Wood.

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

Another significant event occurred in 2019, but had no affect on certification, design, or construction. On June 8, 2019, the Mississippi River at St. Louis reached a flood elevation of 45.93 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. Three record flood events, in less than three years, confirm the need for the work the Council completed for the 100-Year accreditation and will complete for the 500-Year Authorized Level.

This year another significant event has occurred which will definitely affect the timely construction of the Authorized Level projects, the COVID-19 Pandemic. At this time no knows the exact impact the virus will have, much will depend on the recovery process. It appears Council revenues will be decreased by twenty to twenty-five percent for the next year or two, which will affect future additional funding needs.

Current design and construction for FY 2021 includes 1) the Corps of Engineers continuing the construction of the MESD Deep Cutoff Wall Project, which was identified as the project which should be built first by the Risk Informed Design Process, 2) the Council completing the construction of MESD Bid Packages #14A and #18, 3) the Council implementing construction of MESD Bid Packages #11 & #18A, 4) Wood designing MESD Bid Packages #14B & #14C, 5) Wood designing Wood River Bid Package #9, and 6) 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 III 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 accreditation in FY 2021. 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
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

May – Corps Approves \$12M of Work In-Kind Credit for East St. Louis Flood Protection Project

July – Wood River Design Deficiencies Corrections Project Partnership Agreement Executed

May/June – 100-Year Flood Event on Mississippi River, Second Highest Ever at 45.93 FT., Lasting a Record 125 Days. All 100-Year Improvements Operate as Designed

November – FEMA issues letter of continued accreditation for the Prairie Du Pont/Fish Lake Levee System

December – Award of first Authorized Level construction contract BP #18

2020

January – Council refunds 2010 Series Bonds saving over \$13.2 million in debt service costs

January - Award of second Authorized Level construction contract BP #14A

2021

FEMA Accreditation Achieved FY 2021

Authorized Level Projects Design Continues

Authorized Level Projects Construction Continues

IV. Financing and Budget

Table 1 is a financial summary of the Council's activities through September 30, 2019, prepared by Scheffel Boyle.

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, another decrease in sales tax receipts is anticipated in 2020.

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.

The Council will meet its goal of achieving FEMA certification in 2021 utilizing only the revenues available from the dedicated FPD sales tax.

Figure 3
Flood Prevention District Sales Tax Trends 2009-2013-2017-2018-2019

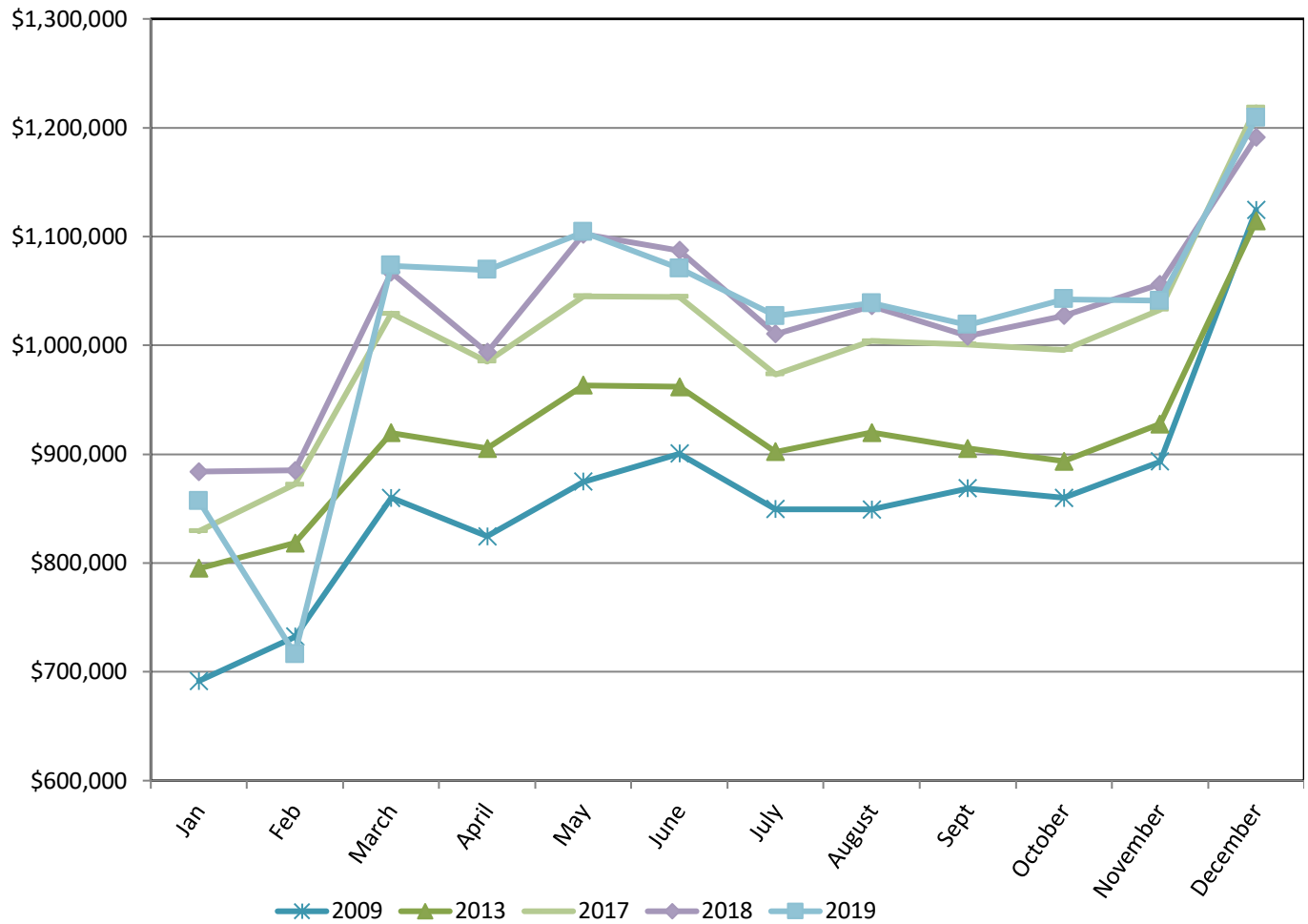


Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
STATEMENT OF REVENUES, EXPENDITURES. AND
CHANGES IN FUND BALANCES - GOVERNMENTAL FUND
FOR THE YEAR ENDED SEPTEMBER 30, 2019**

REVENUES:

District Sales Tax	\$ 12,238,933
Less: Return of Excess Sales Tax to Districts	(2,311,426)
Reimbursement – East St. Louis	76,890
Interest Income	<u>1,198,962</u>

Total Revenues	\$ <u>11,203,359</u>
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EXPENDITURES:

Current:

General and Administrative	\$ 260,279
Design and Construction	5,550,195
Professional Services	108,678

Debt Service:

Principal	3,510,000
Interest	7,366,570
Less: Federal Interest Subsidy	(853,711)

Total Expenditures	\$ <u>15,942,011</u>
---------------------------	-----------------------------

NET CHANGE IN FUND BALANCE	\$ (4,738,652)
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FUND BALANCE:

Beginning of Year	<u>\$ 53,888,913</u>
End of Year	<u><u>\$ 49,150,261</u></u>

Table 2 provides project expenditures for design, construction management, and construction proposed in FY 2021.

Table 3 compares the Estimated Authorized Level Funding Needed for FY 2021 thru FY 2023 to the Estimated Available Authorized Level Funding FY 2021 thru FY 2023, indicating an anticipated funding shortage slightly under \$26 million dollars. Possible issuance of a third bond issue or pay-as-u-go funding could cover this shortage. Either of these would require a sales tax receipts level similar to 2018 and 2019.

Table 2
Estimated Project Expenditures 10.1.2020 -9.30.2021

Design & Construction Management		FY 2021
Engineering Design		
<i>W. O. #1 Program Mgmt.</i>		\$150,000
<i>W. O. #3 Preconstruction Activities</i>		\$50,000
<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>		\$250,000
<i>W.O. #14 MESD Field & Design</i>		\$700,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field & Design</i>		\$2,500,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>		\$385,054
<i>W.O. #19 Wood River LERRD's</i>		\$156,011
<i>Illinois DNR Fees</i>		\$3,000
Construction Management.		
<i>W. O. #? Construction Management BP #14, BP #15/16/17 & BP#18</i>		\$1,500,000
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.		\$5,719,065
Construction		
<i>Bid Package #11 - MESD</i>		\$4,747,000
<i>Bid Package #14A - MESD</i>		\$198,404
<i>Bid Package #18 - MESD</i>		\$1,871,384
<i>Bid Package #18A - MESD</i>		\$1,600,000
<i>Contingency (10% FPD Construction)</i>		\$841,679
<i>Utilities</i>		\$600,000
<i>Property Acquisition Authorized Level - Wood River</i>		\$500,000
<i>Property Acquisition Authorized Level - East St. Louis</i>		\$2,000,000
<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>		\$300,000
<i>Corps of Engineers Authorized Level Costs</i>		\$500,000
TOTAL CONSTRUCTION		\$15,758,467
TOTAL ENGINEERING DESIGN & CONSTRUCTION		\$21,477,532
REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS		\$ 1,000,000

Operations & Financing

<i>General & Administrative</i>	\$315,000
<i>Debt Service</i>	\$9,393,082
<i>Professional Services</i>	
<i>Legal</i>	\$240,000
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
TOTAL OPERATIONS	\$10,025,082
TOTAL EXPENSES	\$32,502,614

Table 3***Estimated Authorized Level Funding Needed FY 2021 to
FY2023***

<i>Bid Package #18- MESD</i>	\$1,871,384
<i>Bid Package #14A- MESD</i>	\$198,404
<i>Bid Package #14B- MESD</i>	\$2,900,000
<i>Bid Package #14C- MESD</i>	\$6,100,000
<i>Bid Package #18A- MESD</i>	\$2,300,000
<i>Bid Package #9 - WOOD RIVER</i>	\$2,000,000
<i>Bid Package #11- MESD</i>	\$10,100,000
<i>Bid Package #15 - PDP/FL</i>	\$16,300,000
<i>Bid Package #16 - PDP/FL</i>	\$6,800,000
<i>Bid Package #17 - PDP/FL</i>	\$8,143,200
<i>Engineering Design & Construction Management</i>	\$14,970,050
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$16,452,379
<i>General & Administrative and Professional Services</i>	\$2,011,000
CURRENT ESTIMATED AUTHORIZED FUNDING NEEDED	\$90,146,417

***Estimated Available Authorized Level Funding FY2021 to
FY2023***

<i>Cash & 2015 Bond Project Funds (9/30/2020)</i>	\$29,155,047
<i>County FPD Tax Funds (9/30/2020)</i>	\$36,255,936
<i>Additional Sales Tax Revenue After Debt Service</i>	\$1,472,340
<i>Interest</i>	\$615,000
Available Funding	\$67,498,323
Current Estimated Shortage FY2021-FY2023	\$22,648,094
FY2024 Costs	\$3,170,500
Estimated Total Shortage	\$25,818,594

V. FEMA Certification Construction Costs

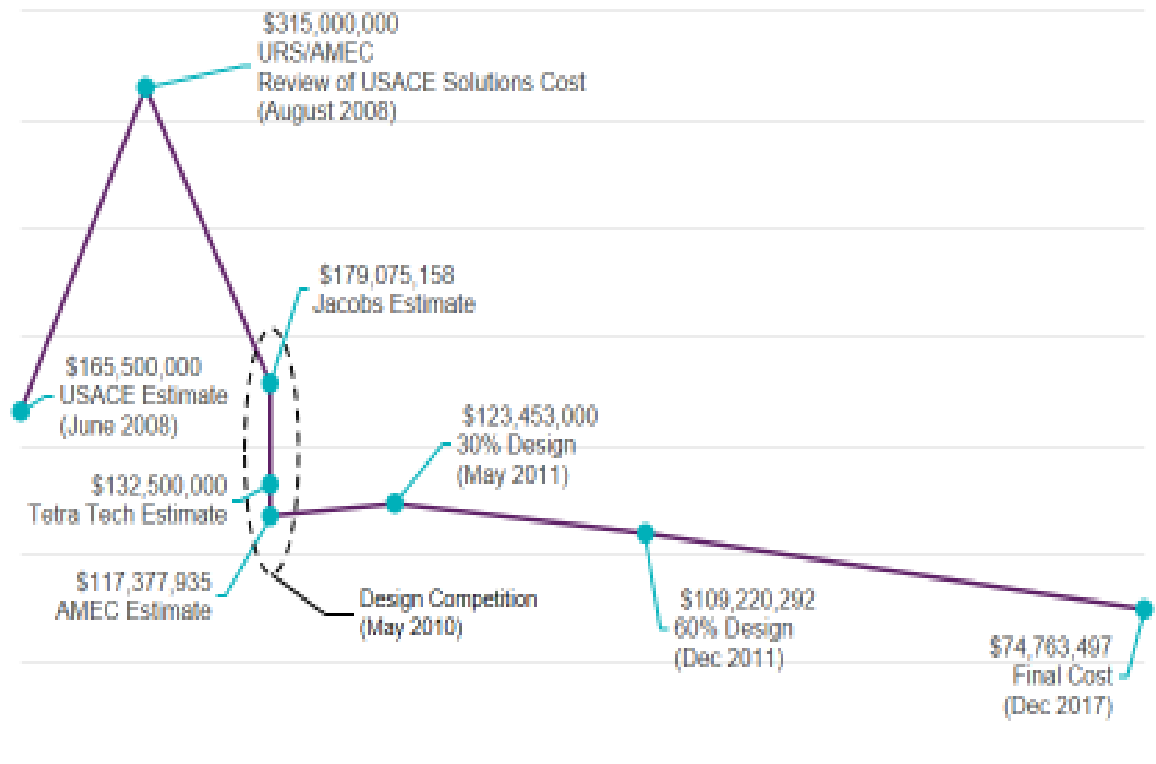
Southwestern Illinois Flood Prevention District Council FEMA Certification Levee Improvement Projects

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 is completing the design. The Corps will bid the project after obtaining all necessary real estate acquisitions.

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 is now a relief well abandonment package needed to satisfy the 35% non-federal sponsor local cost share.

Estimated Construction Cost \$ \$2,000,000

Bid Package 10 – Formerly this package spanned the Lower Wood River Levee from station 530+50 to 630+30 and included the design and construction of a new pump station, 36 relief wells, seepage berms, and earthwork fill. This package is no longer anticipated to be designed or constructed by the FPD Council since it is anticipated the 35% non-federal sponsor local cost share will have been satisfied. As a result, the improvements throughout this reach will be designed and constructed by USACE.

Estimated Construction Cost \$ TBD

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.

Estimated Construction Cost \$ 10,100,000.

Bid Package 14A - Spans the MESD Levee from station 821+00 to 863+00 and includes the design and construction of a riverside shallow cutoff trench, two riverside clay blankets, and filling of a landside ditch. Currently under construction with a completion scheduled by September 2020.

Estimated Construction Cost \$ 905,000

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).

Estimated Construction Cost \$ 2,900,000

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 \$ 6,100,000

Bid Package 18 – Also, known as the Cahokia Relief Well Project, spans the MESD Levee from station 1207+00 to 1352+00 (this span is known as the “elbow”), and includes the design and construction of 51 relief wells and modification to the Cahokia Pump Station forebay. Currently under construction with a completion scheduled by November 2020.

Estimated Construction Cost \$ 4,798,419

Bid Package 18A – Pump station work in Cahokia, Illinois. Scope is currently being developed and will be coordinated with the Corps of Engineers. Currently scheduled for construction Winter 2021.

Estimated Construction Cost \$ 2,300,000

Prairie DuPont/ Fish Lake Levee System

Bid Packages 15 - Spans the Prairie DuPont Levee System in St. Clair County from station 167+65 to 435+00 and includes the abandonment of 53 existing relief wells, construction of 10 new seepage berms, 57 new relief wells, and the construction of a new pump levee station at station 209+13. This package is currently on hold pending completion of the Corps' Semi-Quantitative Risk Assessment and LSOG Review. Estimated timeframe for completion is Spring 2021. The conclusions from the Risk Assessment will likely alter the underseepage features previously included within the Prairie DuPont/Fish Lake Levee System bid packages.

Estimated Construction Cost \$ 16,300,000.

Bid Package 16 – Spans the Prairie DuPont Levee System in Monroe County from station 435+00 to 550+00 and includes the abandonment of 37 existing wells, construction of 7 new seepage berms, and 40 new relief wells. This package is currently on hold pending completion of the Corps' Semi-Quantitative Risk Assessment and LSOG Review. Estimated timeframe for completion is Spring 2021. The conclusions from the Risk Assessment will likely alter the underseepage features previously included within the Prairie DuPont/Fish Lake Levee System bid packages.

Estimated Construction Cost \$ 6,800,000

Bid Package 17 – Spans the Fish Levee System from station 550+00 to 809+35 and includes the abandonment of 47 relief wells, construction of 6 new seepage berms, 71 new relief wells and the construction of a larger pump station at levee station 691+00. This package is currently on hold pending completion of the Corps' Semi-Quantitative Risk Assessment and LSOG Review. Estimated timeframe for completion is Spring 2021. The conclusions from the Risk Assessment will likely alter the underseepage features previously included within the Prairie DuPont/Fish Lake Levee System bid packages.

Estimated Construction Cost \$ 9,360,000

VII. Authorized Level Construction

Southwestern Illinois Flood Prevention District Council Authorized Level Projects Bid & Under Construction

BID PACKAGE	LOCATION/PROJECT	CONTRACTOR	CONSTRUCTION COST

14A	MESD Underseepage Improvements – Cutoff Trench, Riverside Blankets/Berms, Piezometers, & Placement of Fill	Keller Construction	\$905,000
18	MESD Relief Wells, Conveyance Systems, Sluice Gates, & Modifications to Cahokia Pump Station & Pump Station Forebay	Keller Construction	\$4,798,419

		TOTAL	\$5,703,419
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VIII. FEMA Certification and Mapping

Certification reports have been submitted to FEMA as each levee system was completed. Wood prepared reports for Wood River East/West Forks, 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.

Previously 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 had 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.

100-Year Certification Packages Status

East & West Fork Levee Systems

Originally submitted by Wood on December 5, 2016

FEMA Completeness Check and Comments received January 26, 2018

Additional base flood modeling required with review and approval by Illinois State Water Survey and Illinois Department of Natural Resources

Accreditation anticipated in 2021

Prairie DuPont & Fish Lake Levee Systems

Originally submitted by Wood on July 6, 2017

FEMA Completeness Check and Comments received January 26, 2018

Additional hydrologic and hydraulic (H&H) analysis by the Illinois State Water Survey required.

Final certification documents submitted to FEMA on July 24, 2019. Letter of continued accreditation issued by FEMA on November 14, 2019.

Lower Wood River Levee System

Originally submitted by Wood on October 17, 2017

FEMA Completeness Check and Comments received April 20, 2018

Additional base flood modeling required with review and approval by Illinois State Water Survey and Illinois Department of Natural Resources

Accreditation anticipated in 2021

Upper Wood River Levee System

Originally submitted by Corps of Engineers on March 10, 2017

Comments received from FEMA September 5, 2017

Corps waiting for response to latest submittal

Accreditation anticipated early 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. Revised

FEMA maps will reflect levee accreditation

The 100-Year Certification review and submittal process continues to make progress. However, the reviews are very lengthy, with some taking up to five months, before comments are issued. The total approval process is a two to four year process.

FEMA is working with the Council and has indicated that it didn't want to issue maps, after the Council completed its' improvements and then again after the certification process was complete. Therefore, FEMA isn't going to issue new maps until all of the levees have received accreditation. 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 2021 or 2022.

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.

However, the Corps of Engineers is currently performing a Risk Assessment Review for possible funding not based on a benefit/cost ratio. Completion should occur within the next year.

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, allows project construction two years earlier and will provide additional flood protection to the Metro-East area sooner. The first two Authorized Level Projects have been awarded and are in construction.

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 eleven 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 accreditation in sight, 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; 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 FEMA certification in FY 2021
- 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, but the Council will meet its interim goal of achieving FEMA certification with the revenue available from the dedicated FPD sales tax in FY 2021.

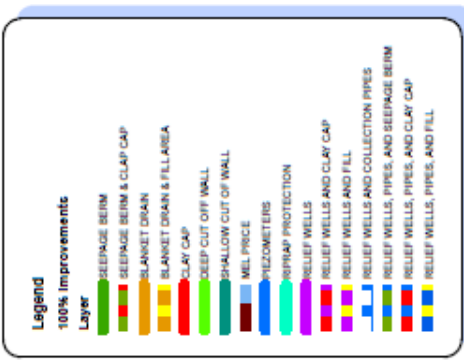
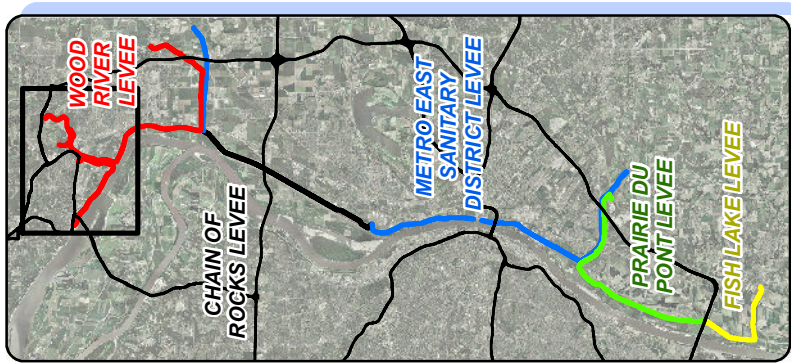
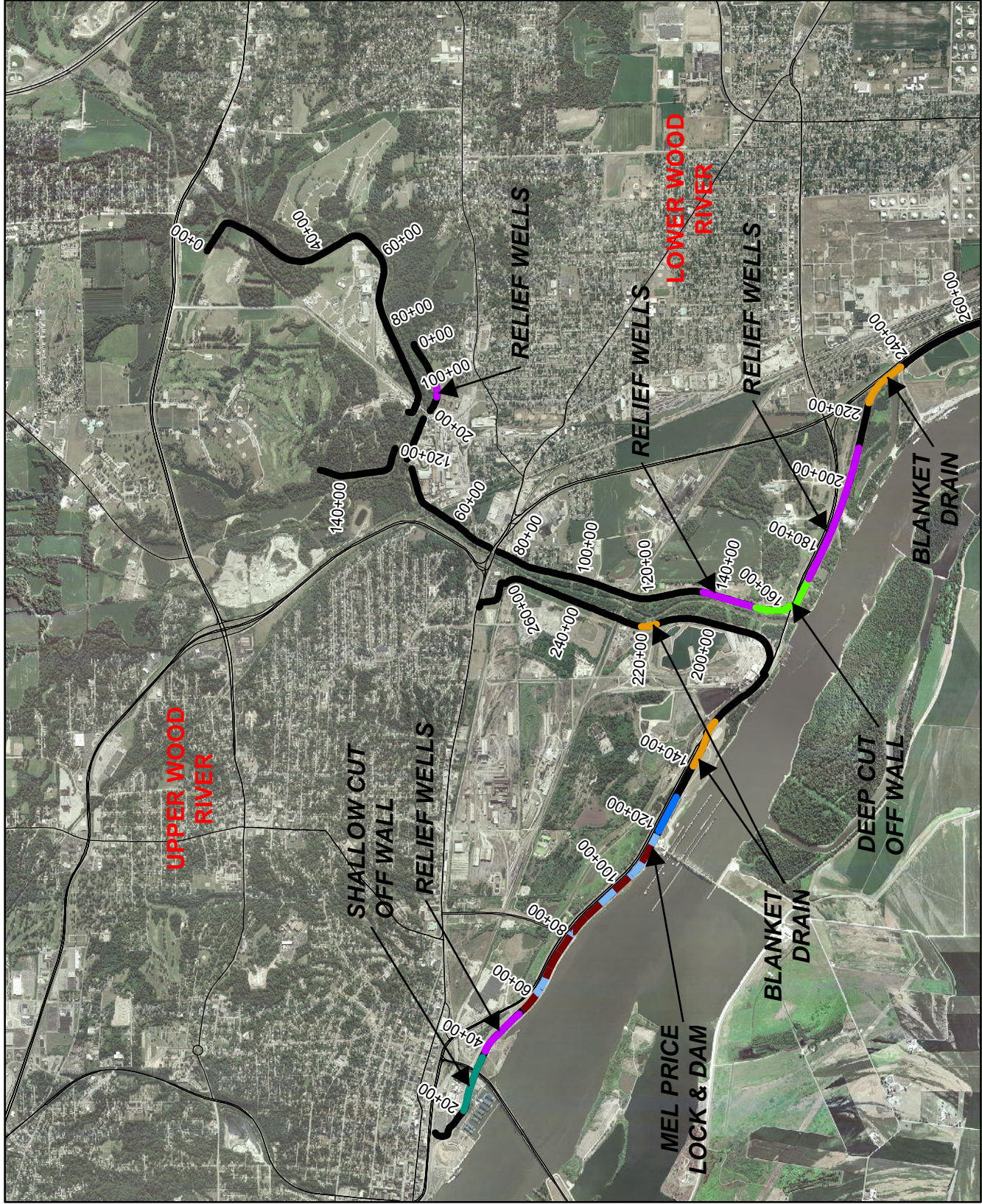
The May/June 100-Year flood event (the second highest event on record at 45.93 ft., and the longest flood event on record at 126 days), tested the seventy-five million dollars of flood protection improvements the Council has built. However, all improvements performed as designed and the Metro East American Bottom Levees handled the event much better than ever before.

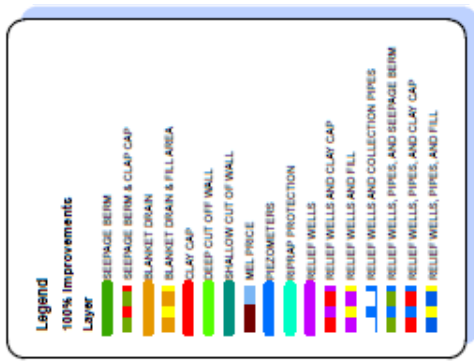
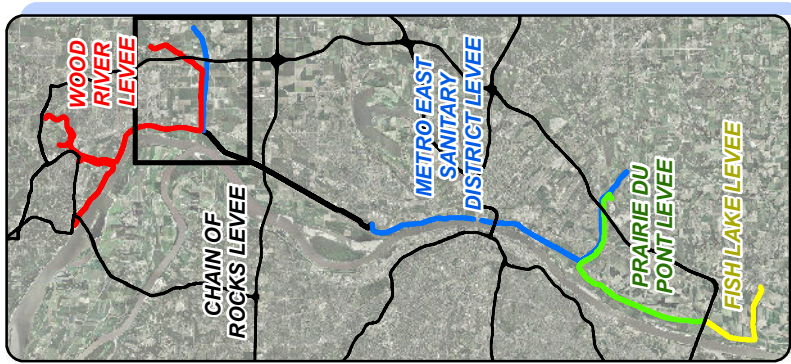
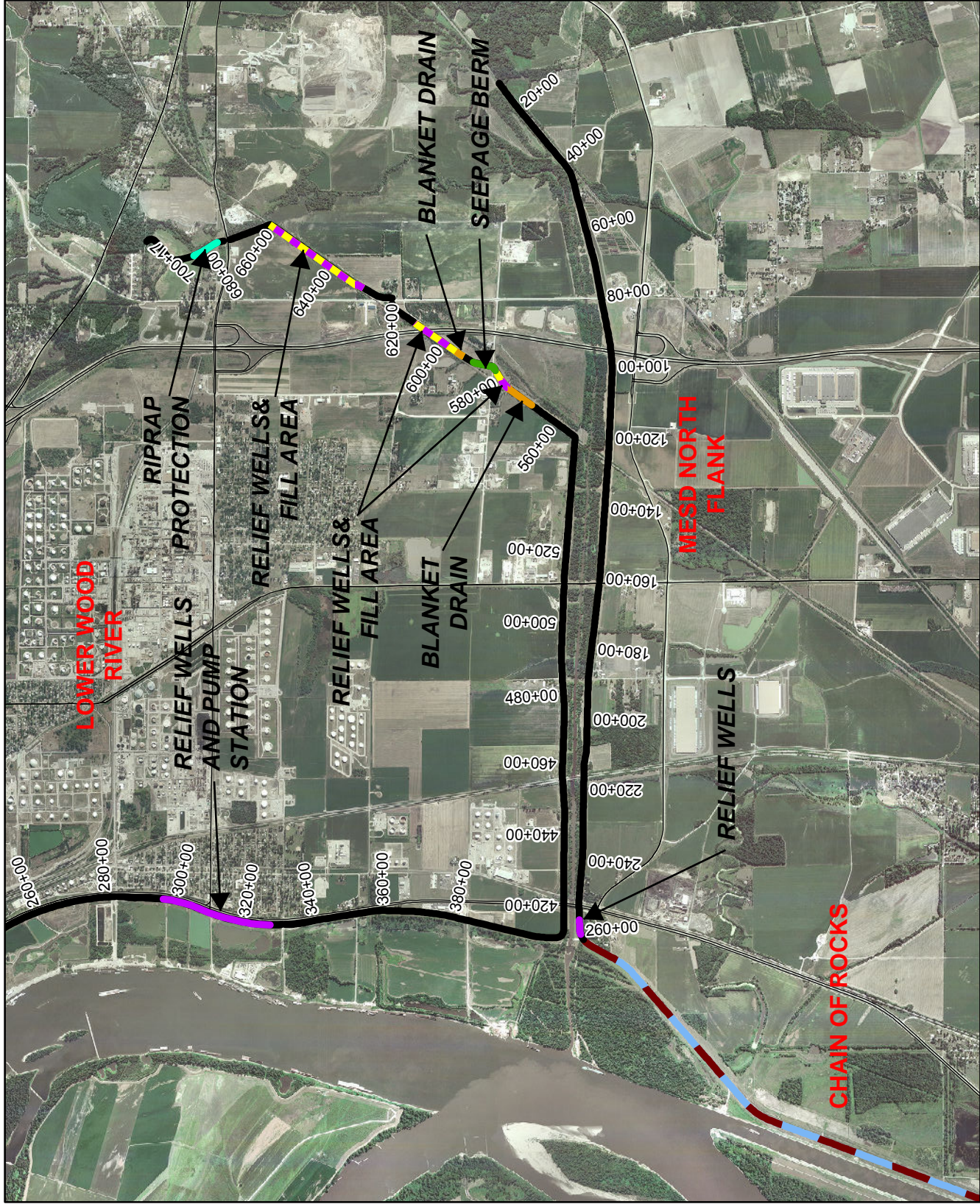
Three record flood events, in the last five years, confirm the need for the work the Council completed for the 100-Year accreditation and will ultimately complete for the 500-Year Authorized Level of Protection.

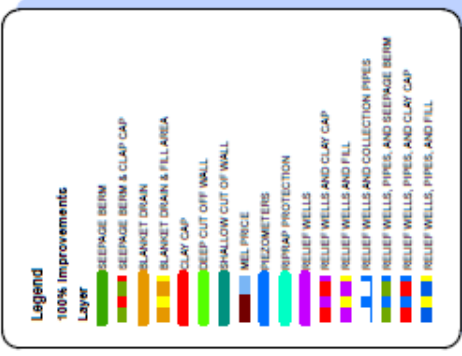
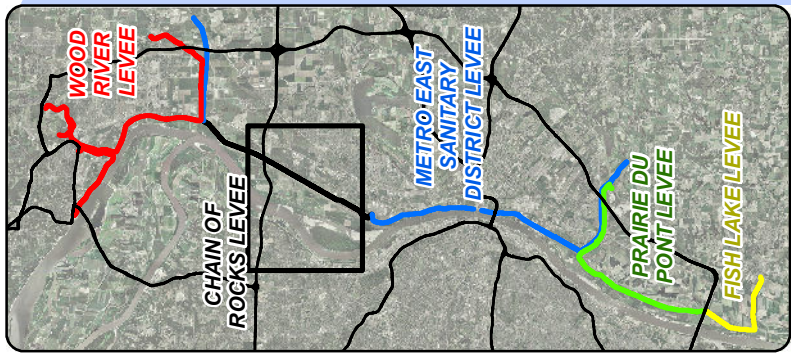
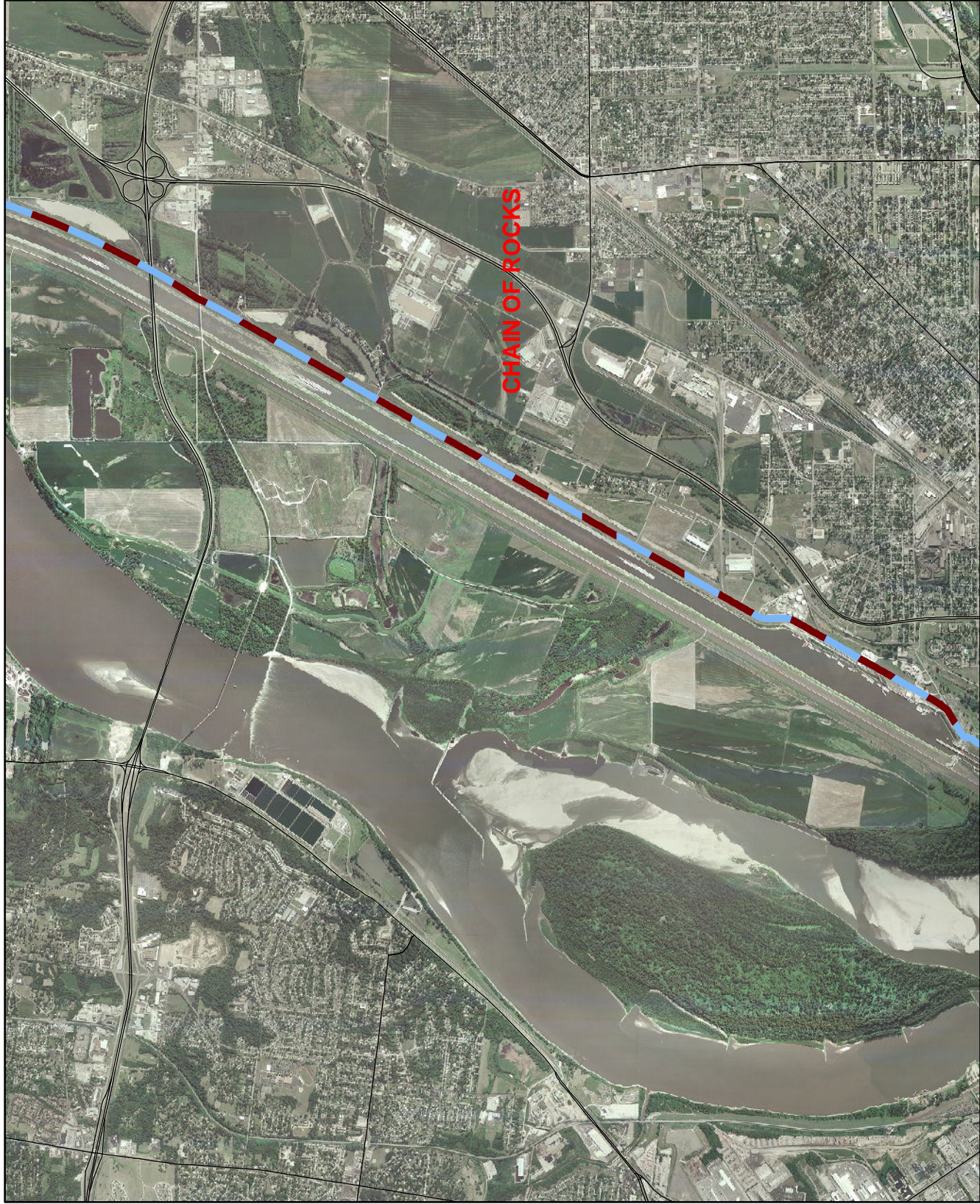
The COVID-19 Pandemic will affect the Council's revenues, but hopefully, with the Corps of Engineers, receiving FY 2019 Work Plan Funds & FY 2020 Budget Funds and an adequate Pandemic recovery, the Council's ultimate goal of providing Authorized Level of Protection to the Metro-East twenty years sooner than original thought can still be achieved.

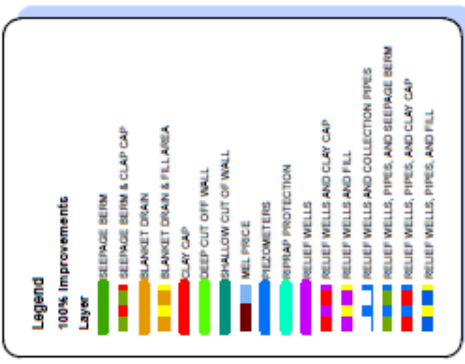
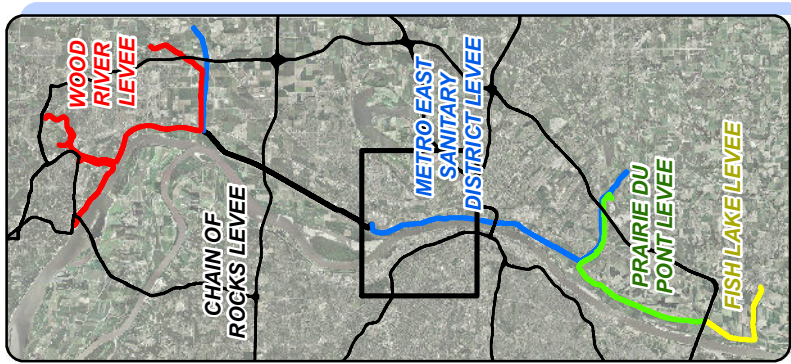
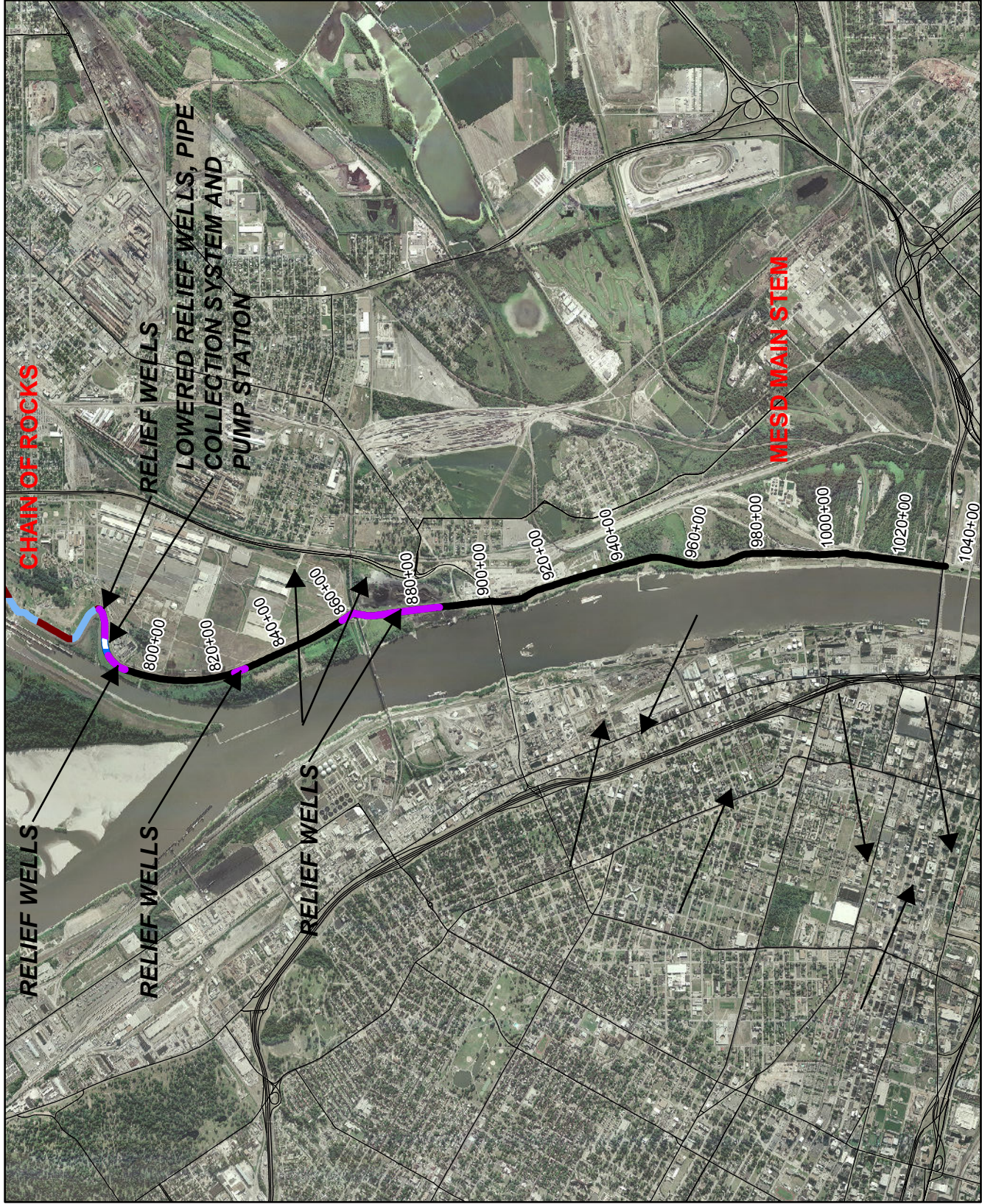
Appendix I

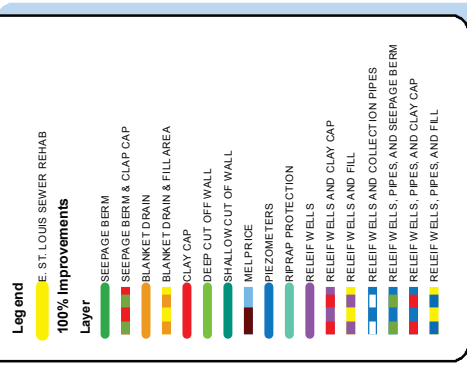
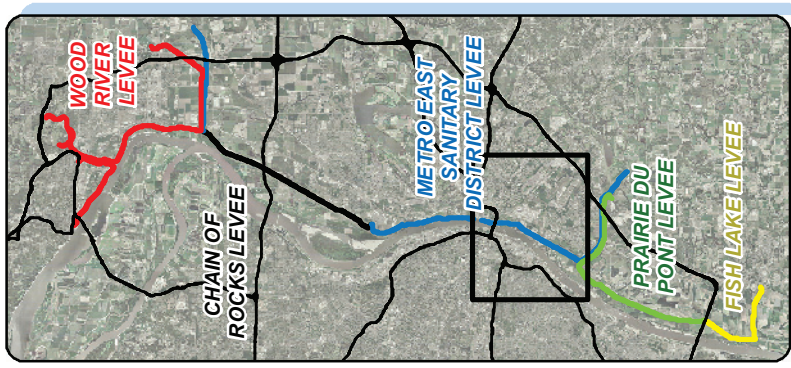
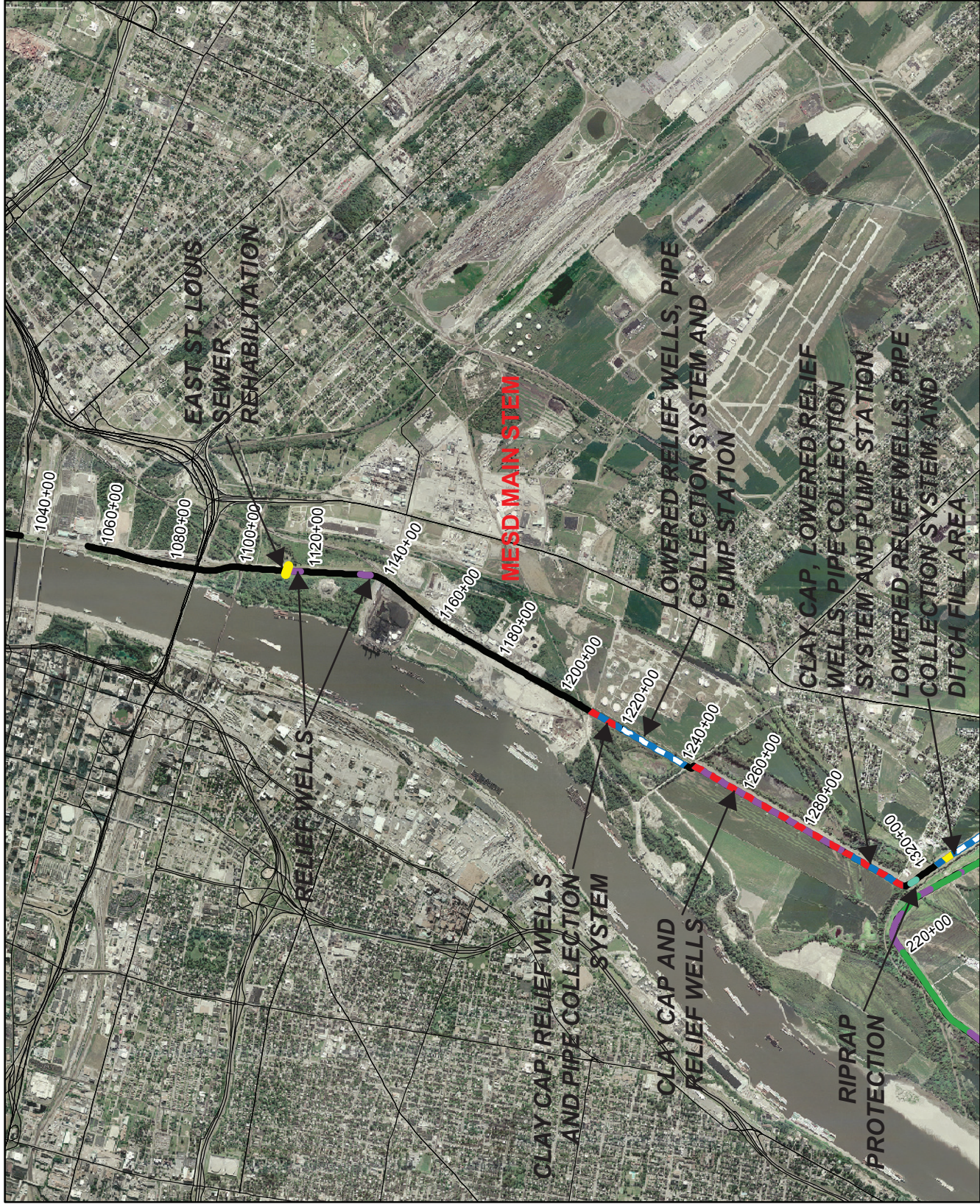
FEMA Certification Levee System Improvements

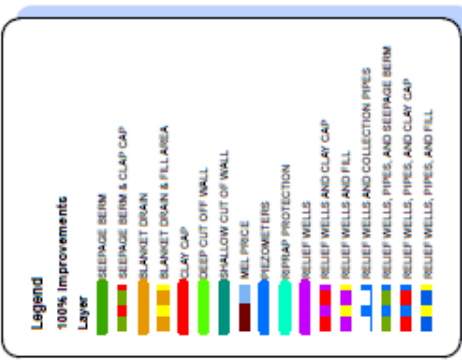
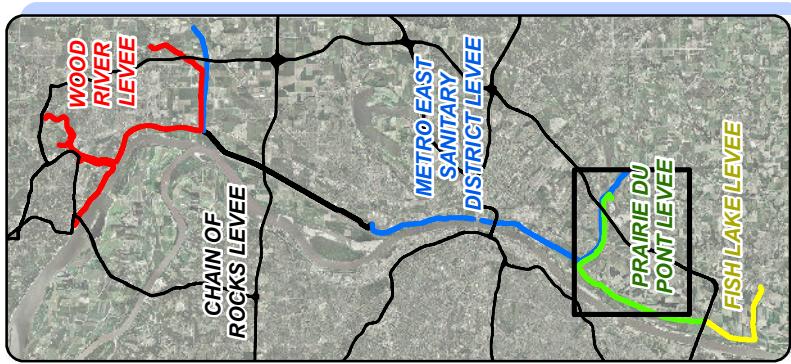
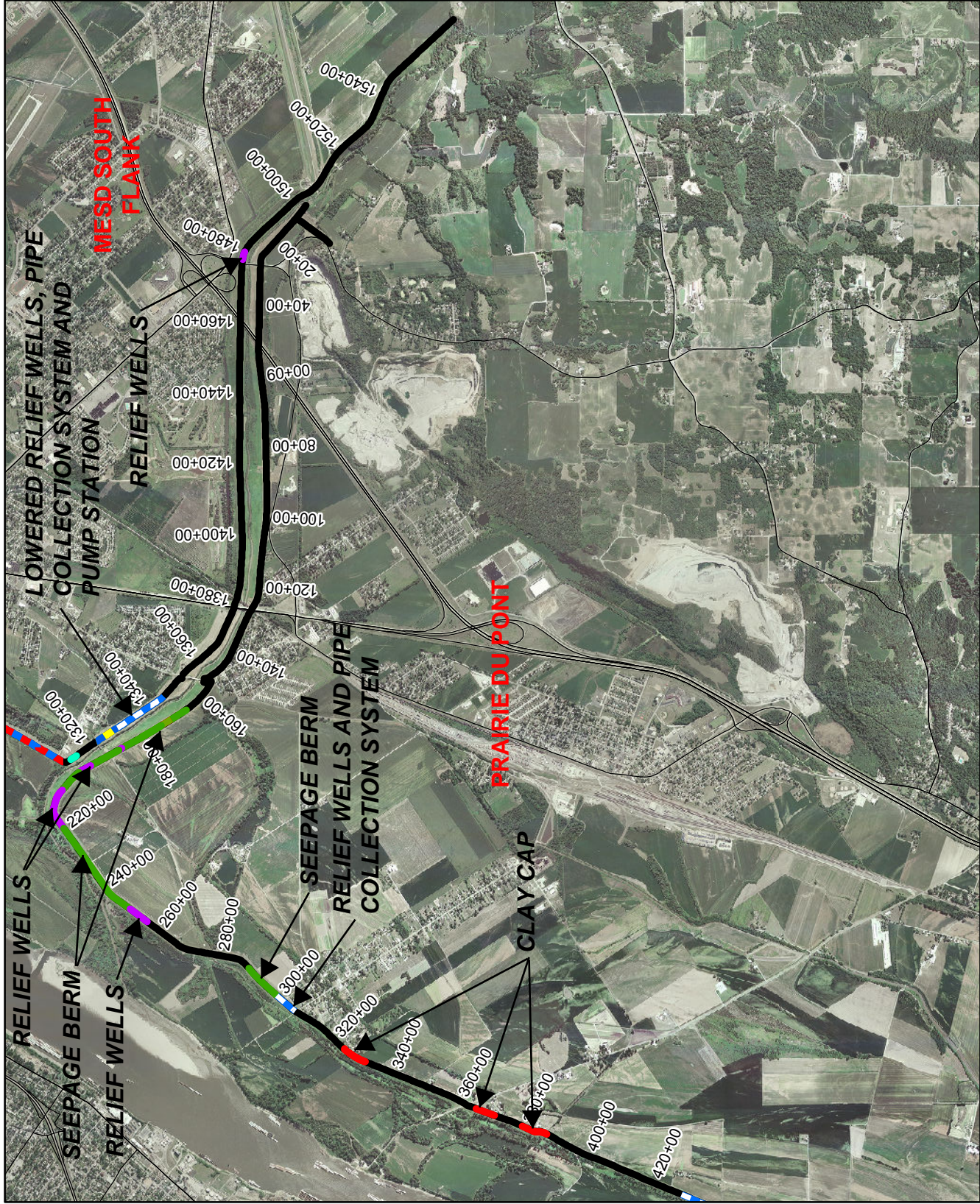


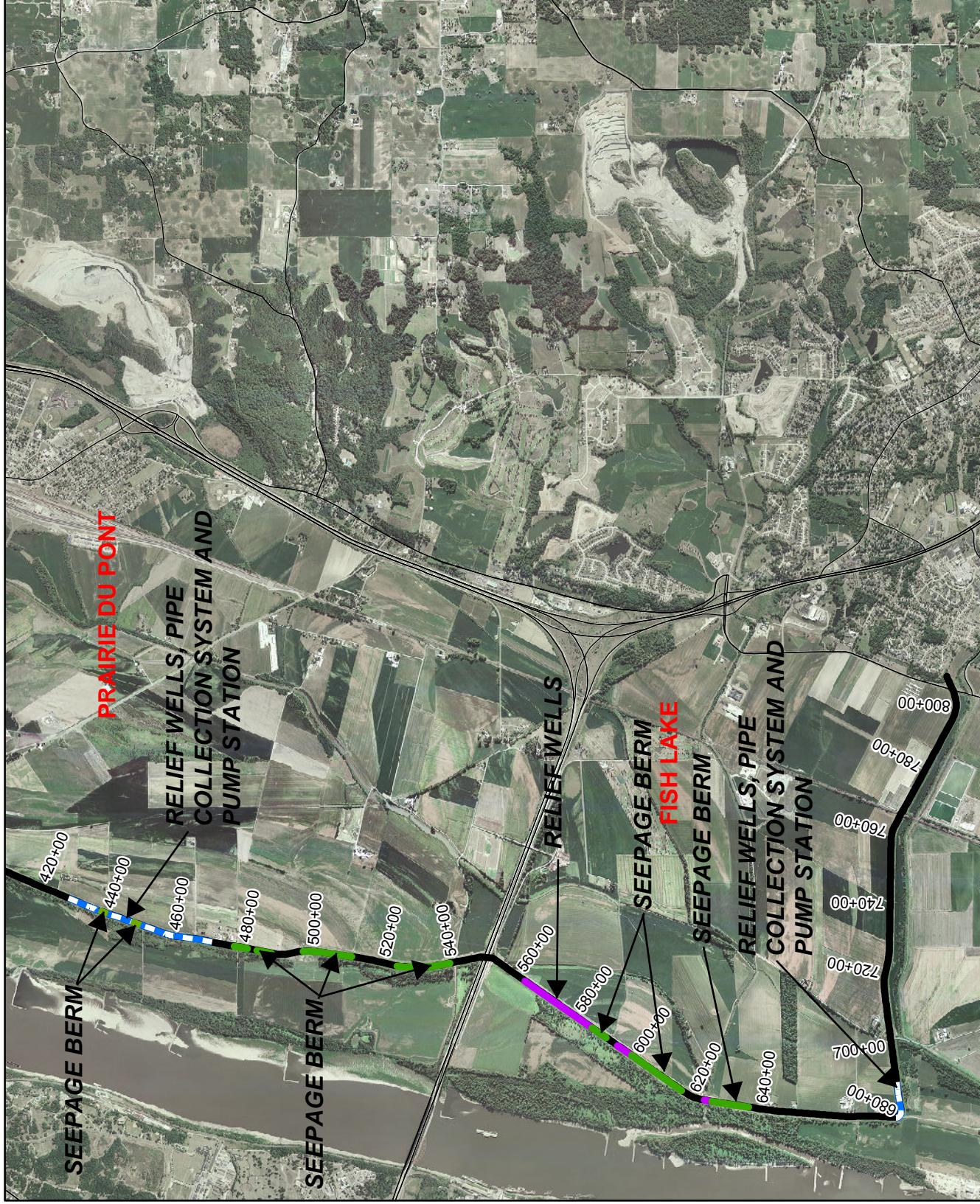
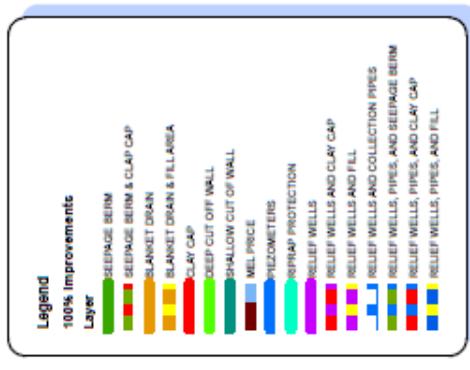
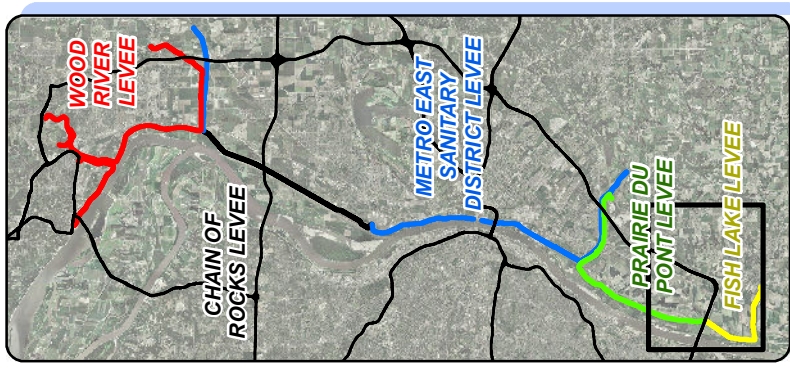












Appendix II

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

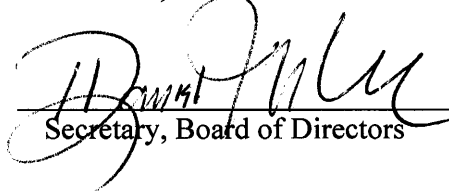
5. *Corps of Engineers Participation.* Notify the Corps of Engineers of the FPD's strategy and request that the Corps expedite projects that are 100% federally funded, such as the emergency design deficiency correction at the Melvin Price Locks and Dam, a project-that was identified as an emergency need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

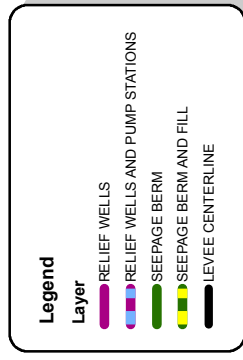
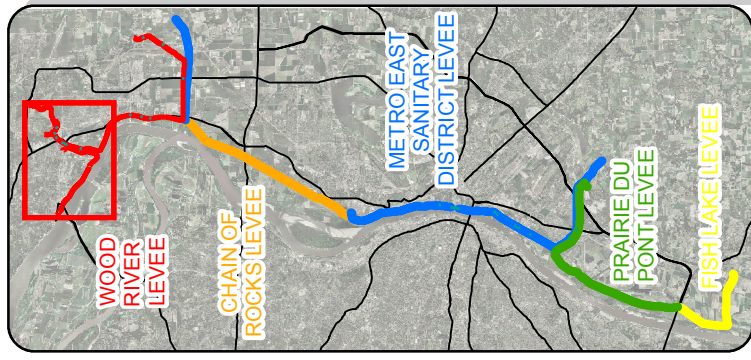
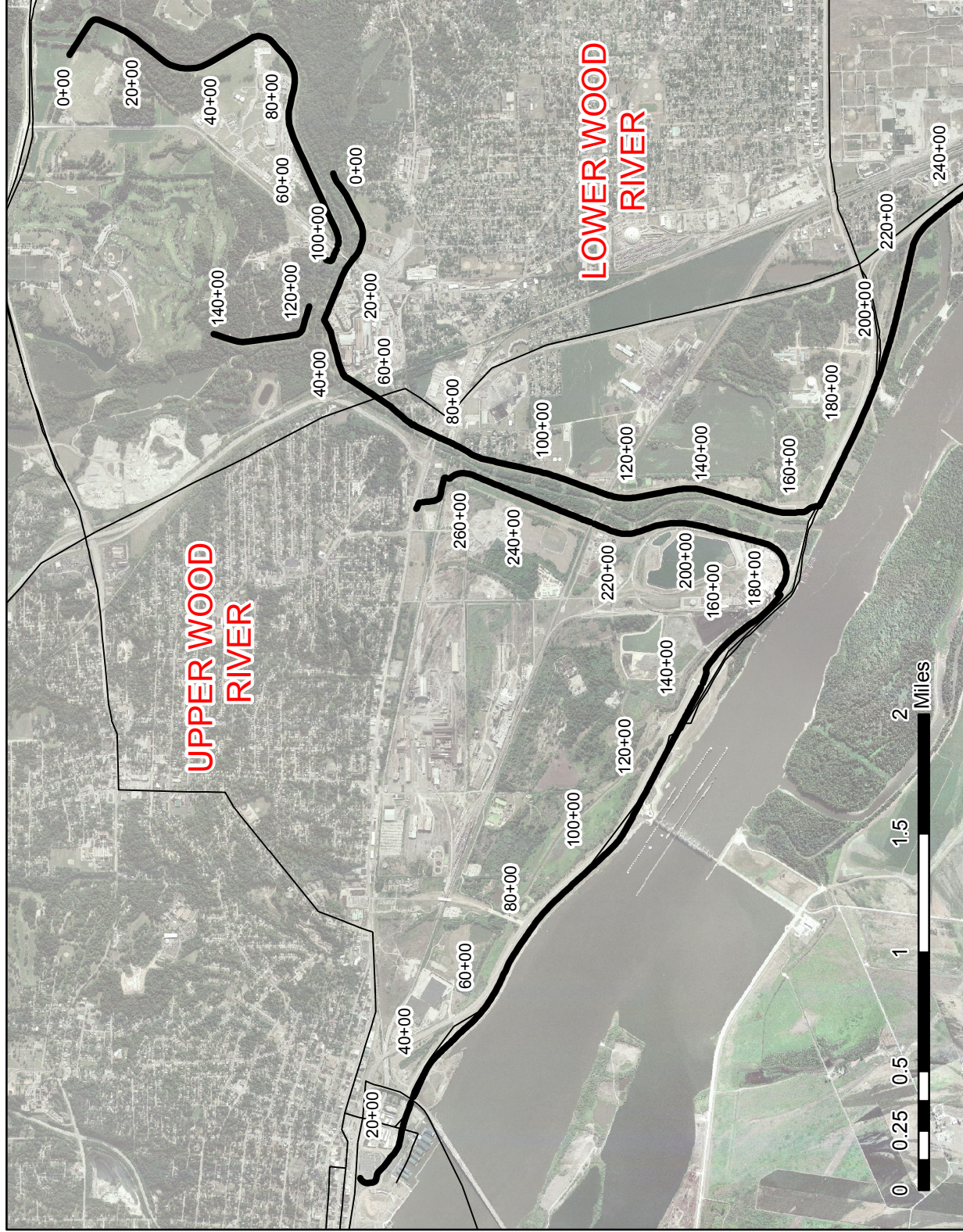
Appendix III

Proposed 500-Year Authorized Level Levee System Improvements

Wood River Levee System

Metro East Sanitary District (MESD) Levee System

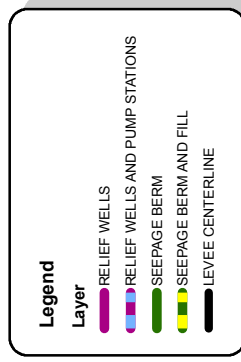
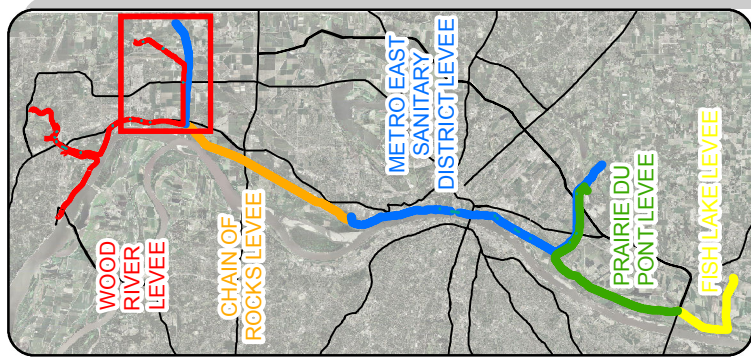
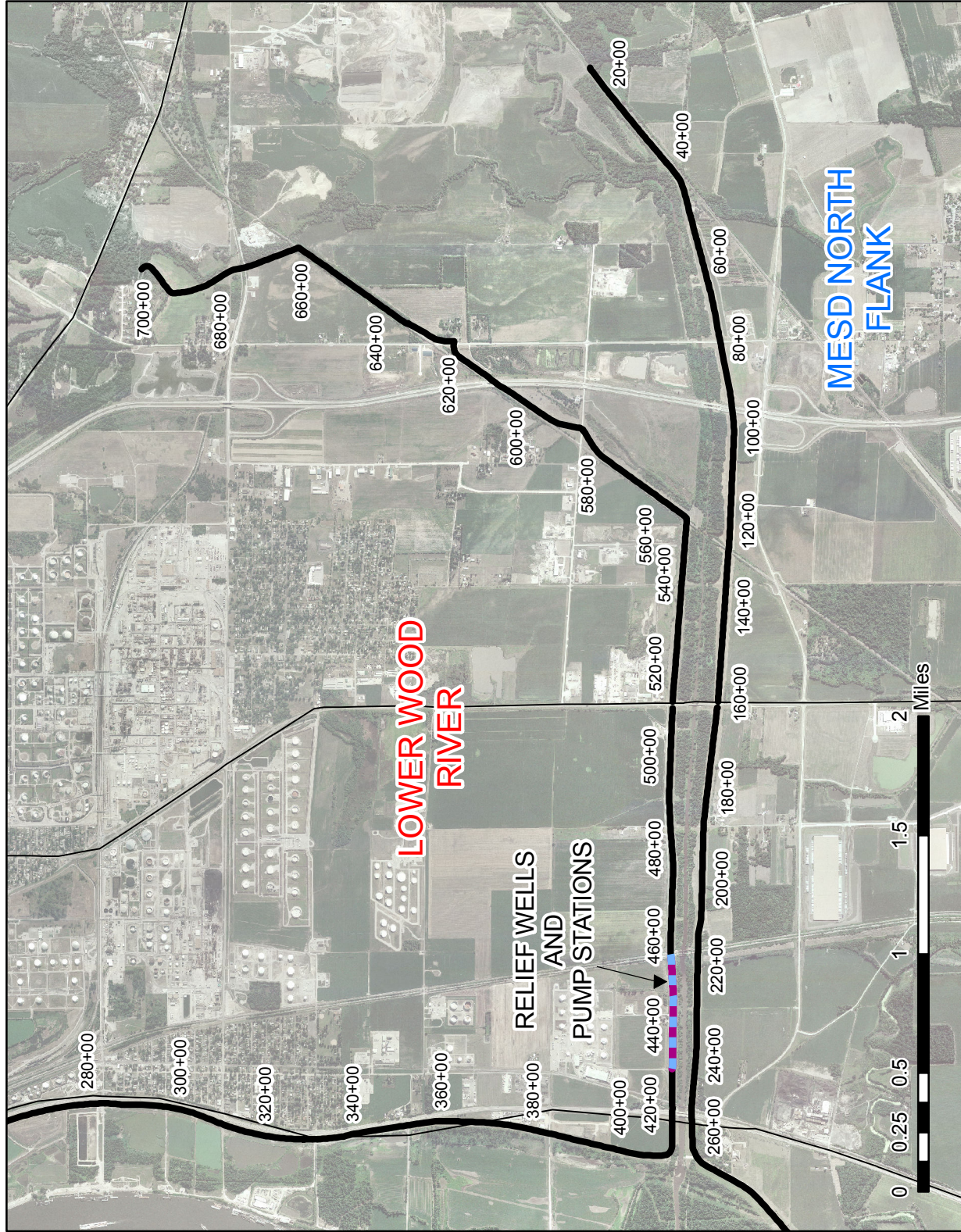
Prairie DuPont/Fish Lake Levee System



31 JUL 2019

AUTHORIZED LEVEL DESIGN

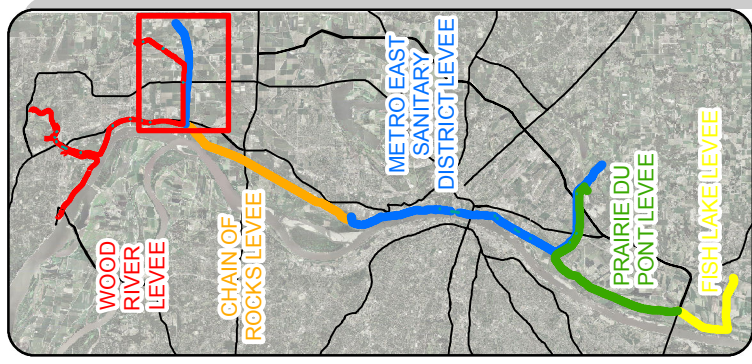
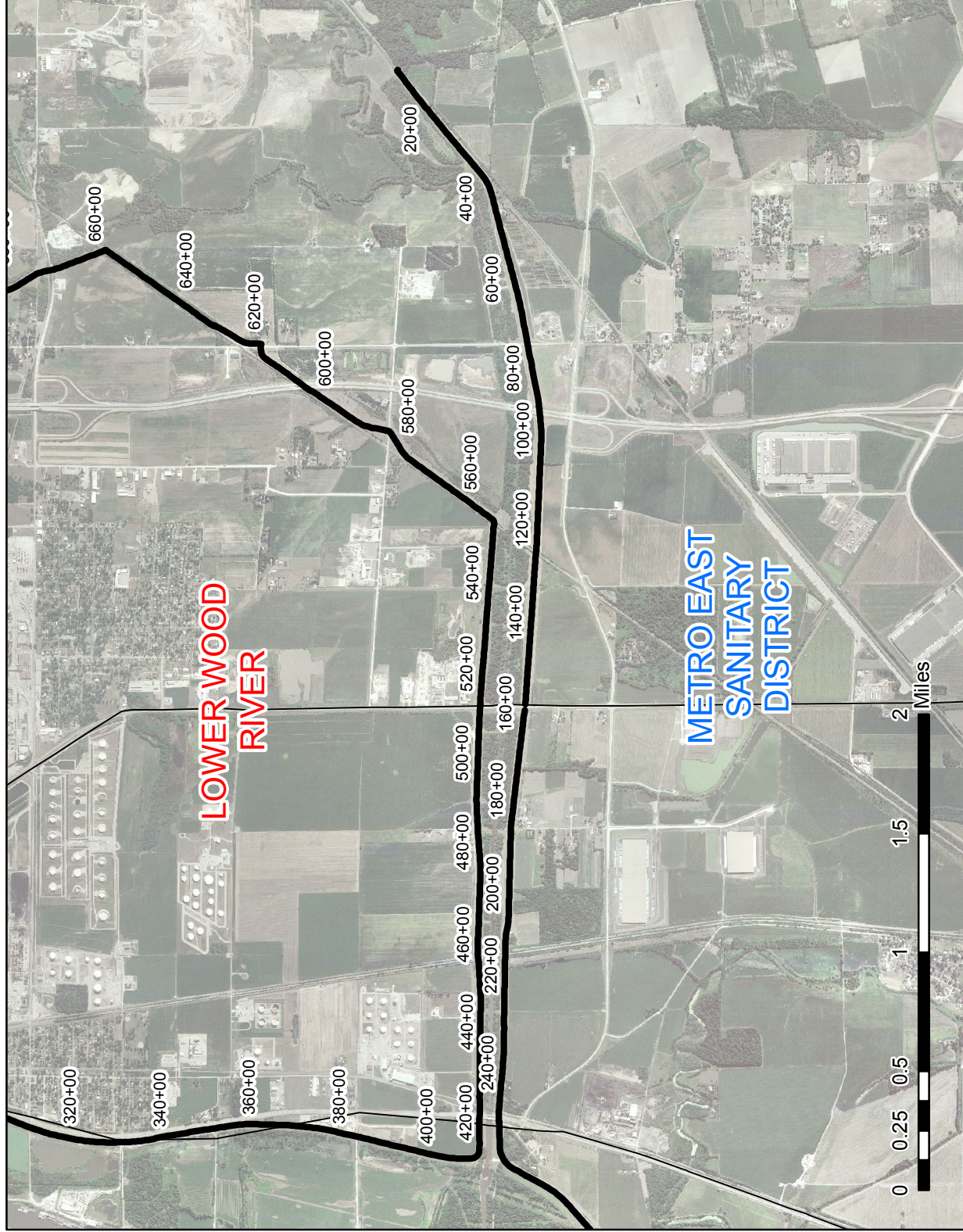
WOOD RIVER LEVEE



31 JUL 2019

AUTHORIZED LEVEL DESIGN

WOOD RIVER LEVEE



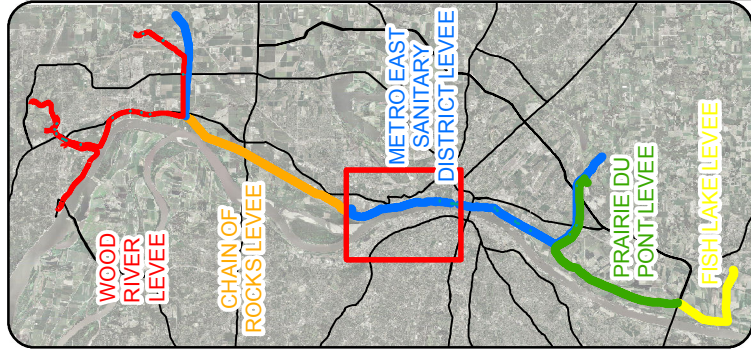
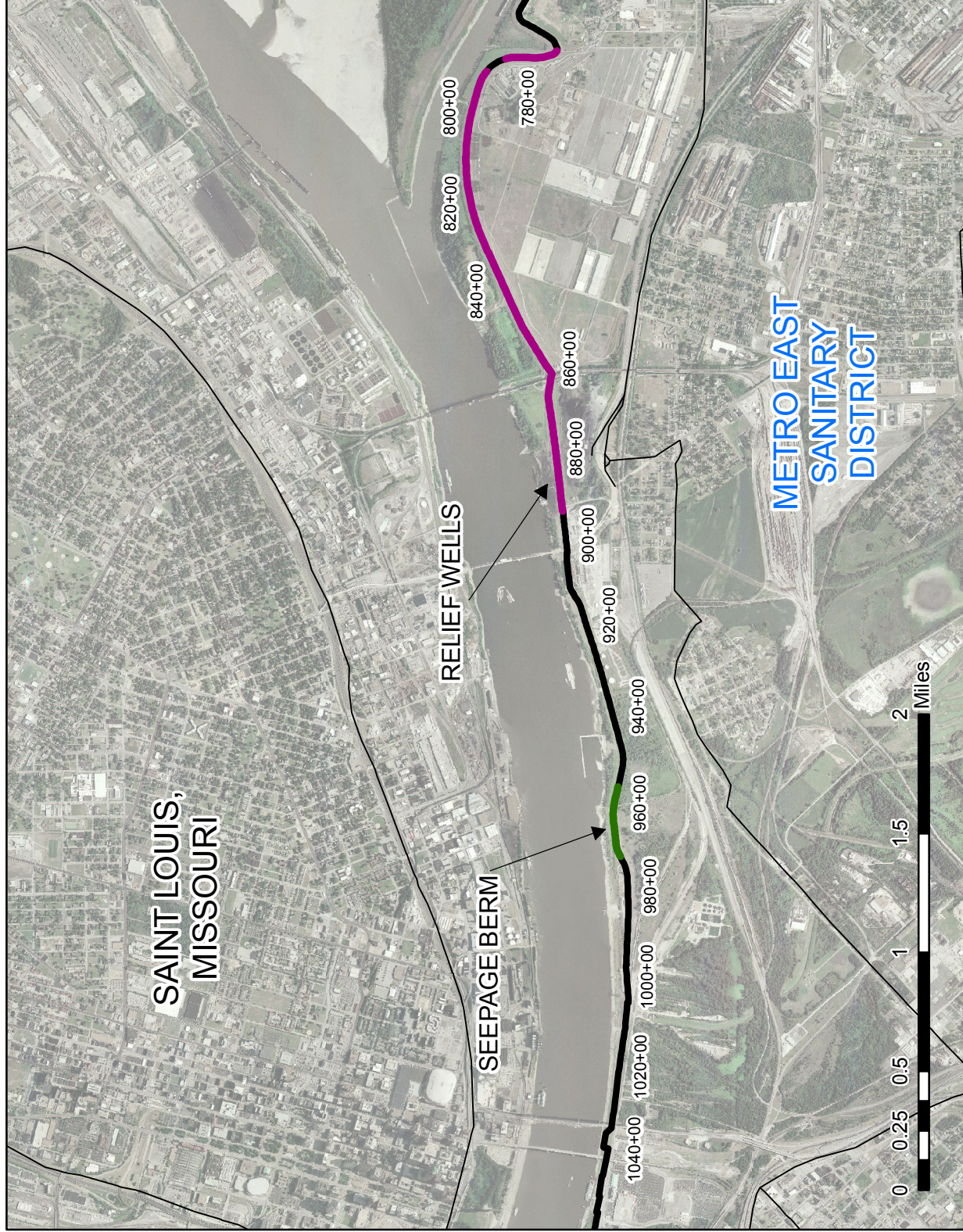
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- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



31 JUL 2019



Legend

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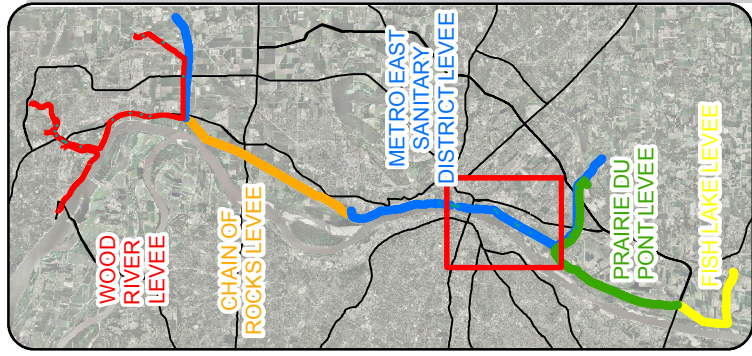
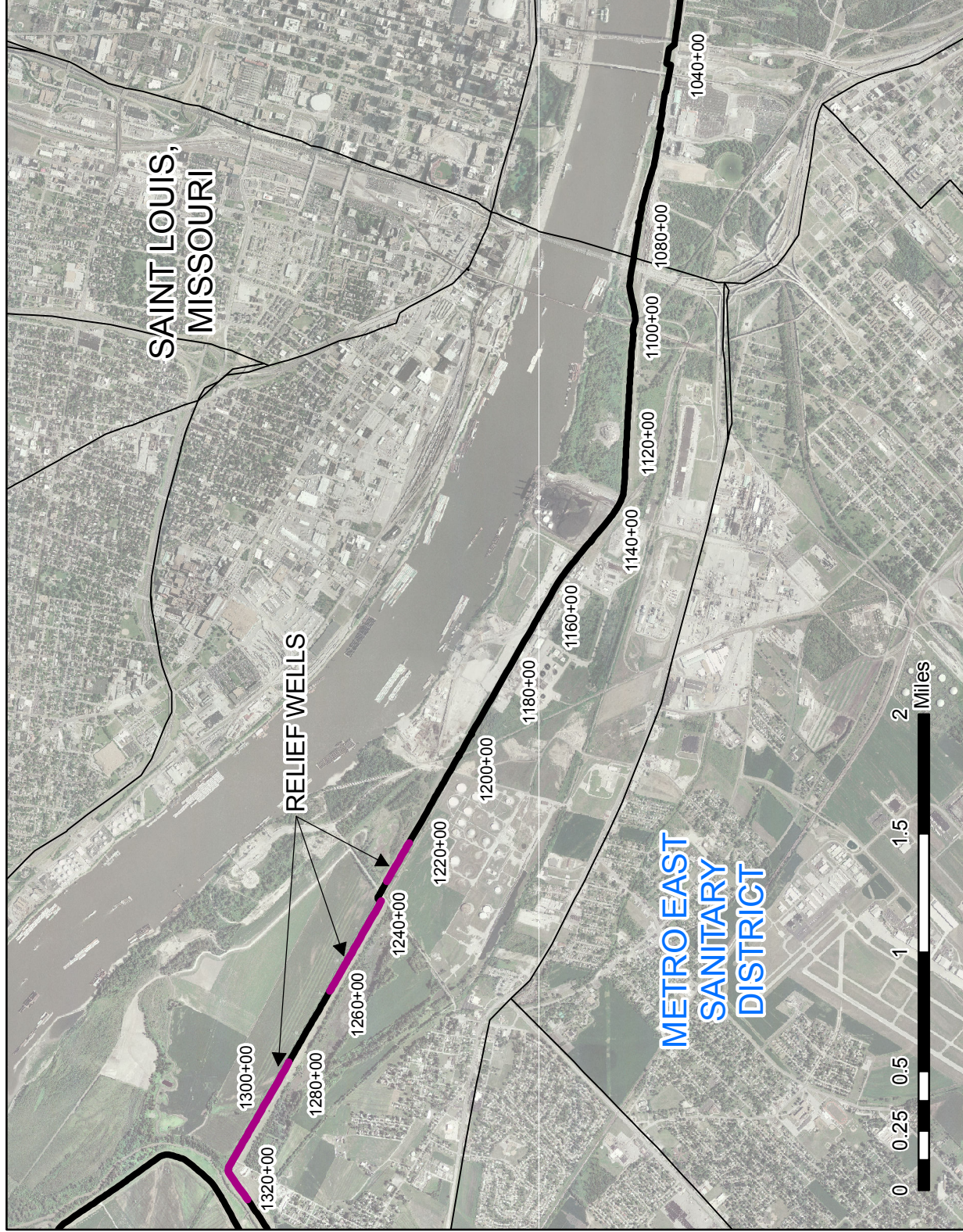
- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



31 JUL 2019

AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE



Legend

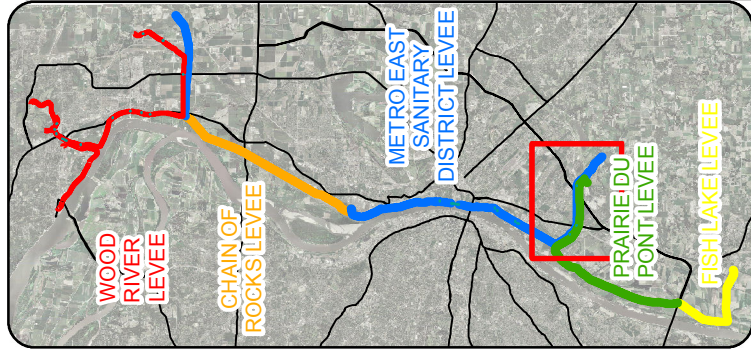
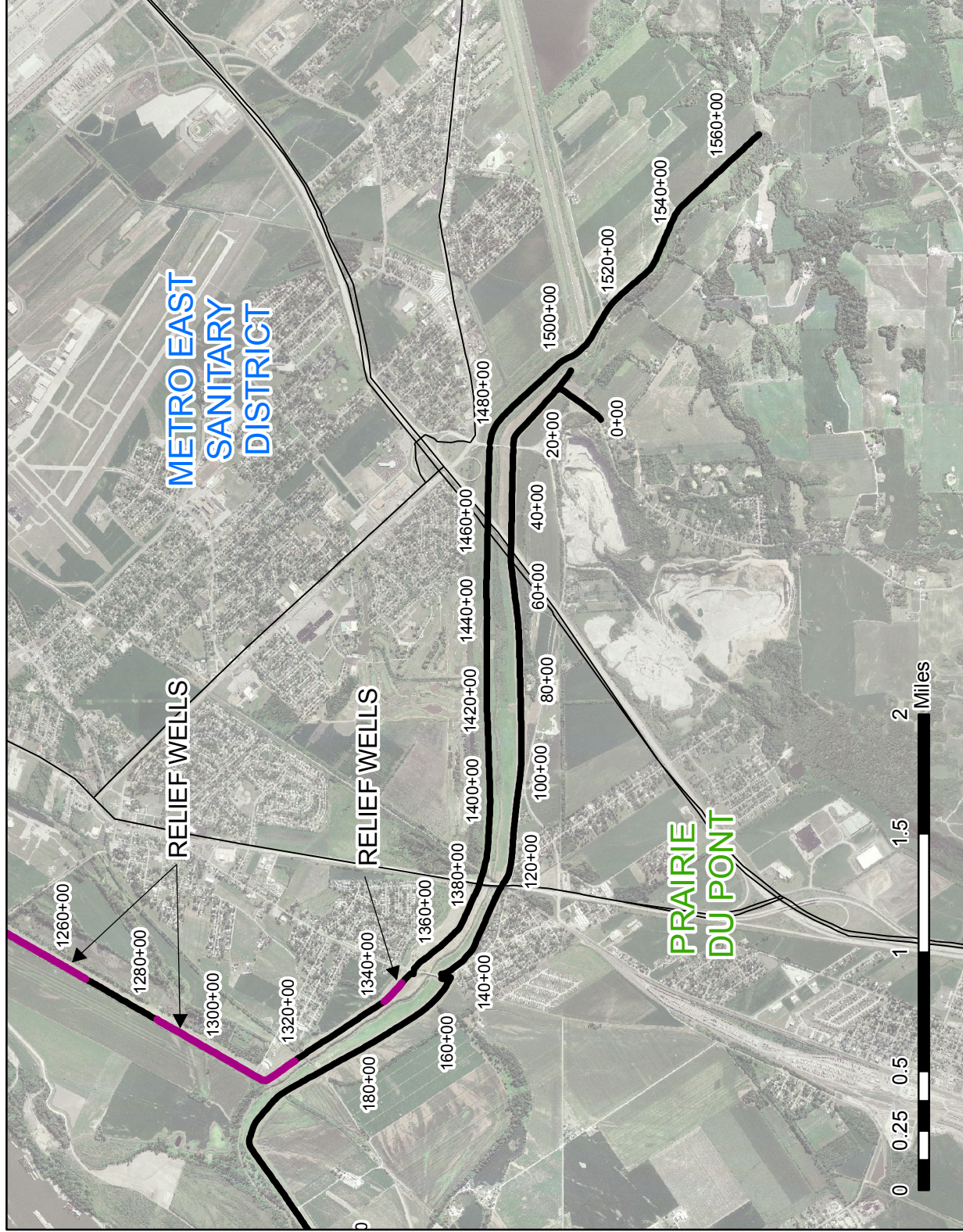
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- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



31 JUL 2019





Legend

Layer

- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



31 JUL 2019

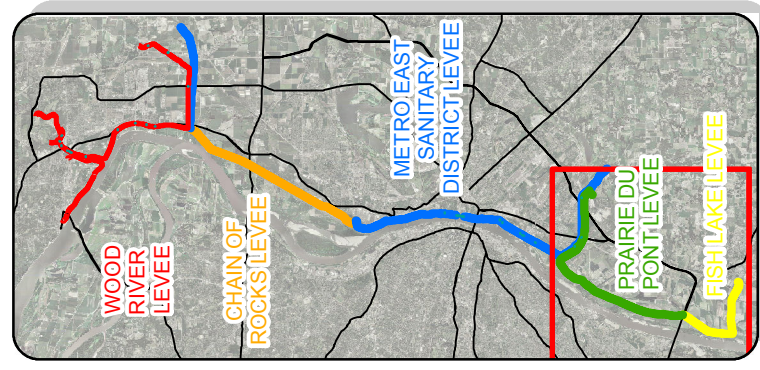
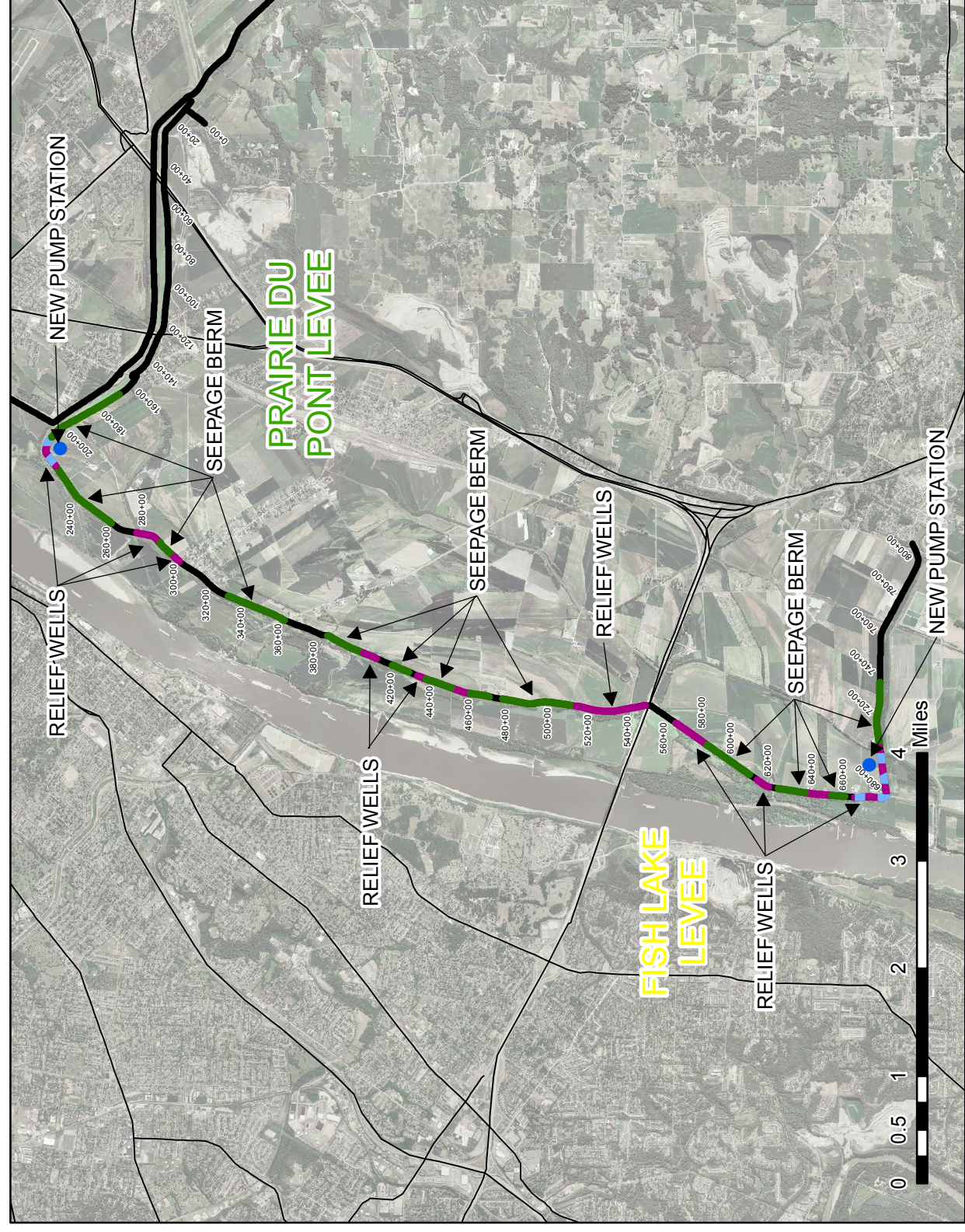
AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE

AUTHORIZED LEVEL DESIGN

PRAIRIE DU PONT/FISH LAKE LEVEE

31 JUL 2019





Memo to: Board of Directors

From: Chuck Etwert

Subject: Auditor for FY 2020-2022

Date: August 13, 2020

Scheffel Boyle has performed the annual audit of the financial statements for the Council, since being selected from competitive proposals, and has completed the current three year agreement for fiscal years 2017 thru 2019.

Scheffel Boyle has done an excellent job, particularly given the added effort that the firm put in to fully understand the terms and functioning of our bond issues, the regional nature of our finances, and other aspects of our sometimes atypical financial structure. The cost for the FY 2019 audit was \$17,000. At my request, the firm has provided a cost proposal for a three year extension of \$17,500, \$18,000, and \$18,500 for fiscal years 2020-2022.

With the knowledge and experience of performing our previous audits and working with our fiscal agent, I believe that it would be prudent to extend our engagement with Scheffel Boyle to perform the Council's audit for FY 2020, FY 2021 and FY 2022.

Recommendation: Authorize the Chief Supervisor to engage Scheffel Boyle to perform the Council's financial audit for fiscal years 2020, 2021 & 2022 at a cost not to exceed \$17,500, \$18,000, and \$18,500 respectively.



Memo to: Board of Directors

From: Chuck Etwert

Subject: Change Order BP #18 Change Order #2

Date: August 13, 2020

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

Wood will explain the change order at the meeting.

Bid Package 18 Change Order #2 – Addition of Piezometers and Check Valve - \$170,529.06

- A. **Addition of 13 piezometers:** 13 new piezometers are proposed at various stationing within the Bid Package 18 project limits, both at the toe and crest of the East St. Louis (MESD) Levee. After discussions between USACE and Wood, it was determined that piezometers are needed in this area to measure the seepage pressures. There are no existing piezometers in the area to provide the information needed for future monitoring, maintenance, and safety.

13 New Above Ground Piezometers @ \$12,500.00 each, total cost 162,500.00

- B. **New 30-inch check valve:** The proposed American Bottoms combined sewer line relocation was designed to be 27-inch reinforced concrete pipe (RCP), with the reuse of the existing 27-inch "duckbill" check valve currently discharging into the open forebay at Cahokia Pump Station. After removal of the forebay and inspection of the existing "duckbill" check valve during construction, it was determined that the valve is not salvable or suitable for continued use. A new "duckbill" check valve has been selected and approved by the engineer of record. Replacement of the sewer pipe and check valve with 30-inch components is less expensive than 27-inch components (due to the scarcity of 27-inch products on the market and the prevalence of 30-inch); therefore, the American Bottoms combined sewer line relocation has

been increased to 30-inch RCP and the new “duckbill” check valve will also be 30-inch nominal size. The capacity of the sewer is increased due to this change.

1 New 30-Inch “Duckbill” Check Valve @ \$8,029.06 each, total cost \$8,029.06

- C. **Contract time extension:** The contract provides that additional working days will be granted to the contractor, at no additional expense to the FPD Council, for days when the Mississippi River at St. Louis is at or above 25’, or projected to be above 25’ within 72 hours. Since the date of Mobilization, March 20, 2020, 77 such days have occurred; therefore, the contract completion date is being extended by 77 calendar days from September 30, 2020 to December 16, 2020.

No additional cost.

Recommendation:

Authorize the Chief Supervisor to approve Bid Package 18 Change Order #2 Addition of Piezometers and Check Valve in the amount of \$170,529.06 with Keller Construction.

The board has asked to stay informed of upcoming change orders that may be presented; the following list summarizes change orders that are being negotiated, being finalized, awaiting additional information from the contractor, or awaiting completion of a construction item:

Pending Change Orders:

There are no pending change orders at this time.



REVIEW OF CONTRACTOR'S REQUEST

Contract amount change per attached: \$ 170,529.06

CERTIFICATION OF CHANGE ORDER APPROVAL

I have reviewed the attached change order and certify that it appears reasonable, both technically and contractually; therefore, approval is recommended.

Signature: _____

Date: 8/10/2020



CHANGE ORDER APPROVAL FORM

SIFPDC - BID PACKAGE #18

Change Order Number: 02
Date: 10-Aug-20

Distribution

<input checked="" type="checkbox"/>	Owner
<input checked="" type="checkbox"/>	Engineer
<input checked="" type="checkbox"/>	Contractor
<input type="checkbox"/>	Field

Keller Construction, Inc.
22 Illini Drive
Glen Carbon, IL 62034

Project Number: 563170001
Contract Date: 15-Jan-20
Contract For: SIFPDC-BP18

The Contract is Changed as Follows:

Board Approval Required: **YES**

#	Description	Cost
1	13 new Above Ground Piezometers 13 @ \$12,500.00 each	\$ 162,500.00
2	New 30" "Duckbill" Check Valve 1 @ \$8,029.06 each	\$ 8,029.06
3	Contract time extension due to river stage. Since the date of mobilization (March 20, 2020), there have been 77 days where the Mississippi was above, or projected to be above 25' at St. Louis.	\$ -
TOTALS		\$ 170,529.06

The Original (Contract Sum) was

\$4,798,418.20

Net Change by previously authorized Change Orders

\$7,176.00

The (Contract Sum) will be increased, decreased or unchanged
by this Change Order in the amount of

\$170,529.06

The (Contract Sum) including this Change Order will be

\$4,976,123.26

The Contract Time will be increased, decreased, or
unchanged by

77 days.

The date of Final Completion as the date of this Change
Order will become

12/16/2020

CONTRACTOR:

KELLER CONSTRUCTION, INC.

OWNER:

SOUTHWESTERN IL FLOOD PREVENTION
DISTRICT COUNCIL

Signature

Date

Signature

Date



Memo to: Board of Directors
From: Chuck Etwert
Subject: Corps of Engineers Update
Date: August 13, 2020

Attached is Tracey Kelsey's Corps of Engineers Update, which is included in the agenda package since the meeting is being conducted via teleconference. Tracey will present the Update during the meeting.

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

Metro East Projects, IL

Project Status

- COL Golinghorst assumed MVS command on July 24.
- MESD/FPD will meeting with COL Golinghorst on August 21st.

- East St Louis
 - Deep Cutoff Wall
 - ✓ Production expected to resume the week of August 24th.
 - WIK efforts for BP 11, BP 14, BP 18 continue
 - ✓ Received the BP 11 65% submittal on July 27 - review is underway.
 - Next USACE contract awards are scheduled for 2021. MVS continues design efforts on relief wells and toe drain including design coordination with the railroad.
 - Continued coordination for additional required real estate acquisition.

- Wood River
 - Construction contract award on hold due to real estate acquisition.
 - Completed relief well pilot hole drilling for RW #3.
 - Pump station modification 95% Agency Technical Review started on July 31st.
 - Anticipate initiating the remaining 12 relief well pilot holes on August 10th.

- Prairie du Pont/Fish Lake
 - ✓ Included in the FY21 Workplan budget request



Metro East Projects - Real Estate Critical Path

	Project	Preliminary ROW Provided	ROW NTP Issued	ROW Acquisition Deadline	Contract Award	Consequence
Wood River	BP8 22 RW/PS		17-Jun-19	15-Jul-20	FY21	Delayed execution of existing funds and potential impact on request for funds to complete. Plan is to bid these packages together.
	3 PS		2-Dec-19	17-Jul-20	FY21	
	RW #1		9-May-19	15-Jul-20	FY21	
MESD	BP 12 PH 1	26-Dec-19	3-Apr-20	16-Nov-20	26-Feb-21	Delayed project execution and potential increased construction costs
	Toe Drain/RW	31-Jul-19	13-Sep-19	14-Apr-21	18-Sep-21	
	BP12 PH 2 RW/PS	14-Feb-21	1-Jun-21	1-Apr-22	29-Aug-22	
	BP 12 PH 3 RW	5-Apr-21	1-Jun-21	1-Apr-22	29-Aug-22	
	BP 14 PH 2 Berms	30-Mar-21	1-Jul-21	13-May-22	6-Sep-22	

RW - Relief Wells PS - Pump Station





Memo to: Board of Directors

From: Chuck Etwert

Subject: Election of Officers for 2020-2021

Date: August 13, 2020

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 will take place on August 19, 2020 at the end of the Council's Board meeting.