



SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
BOARD OF DIRECTORS MEETING
August 21, 2019 7:30 am

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

1. Call to Order
Ron Motil, President
2. Approval of Minutes of July 17, 2019
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 2020 Flood Prevention District Council Budget
Chuck Etwert, Chief Supervisor
8. Flood Prevention District Council Annual Report
Chuck Etwert, Chief Supervisor
9. Update from Corps of Engineers
Tracey Kelsey, U.S. Army Corps of Engineers
John Osterhage, U.S. Army Corps of Engineers

AGENDA

10. Election of Officers for 2019-2020
Chuck Etwert, Chief Supervisor

11. Public Comment

Executive Session – Purchase or Lease of Real Property

12. Real Estate Transactions
Chuck Etwert, Chief Supervisor

13. Other Business

14. Adjournment

Next Meeting: September 18, 2019

MINUTES

SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL BOARD OF DIRECTORS MEETING

July 17, 2019

The regular meeting of the Board of Directors was held at the Metro-East Park and Recreation District Office, 104 United Drive, Collinsville, Illinois at 7:30 a.m. on Wednesday July 17, 2019.

Members in Attendance

Ron Motil, President (Chair, Madison County Flood Prevention District)
Debra Moore, Vice President (Chair, St. Clair County Flood Prevention District)
John Conrad, Secretary/Treasurer (Chair, Monroe County Flood Prevention District)
Bruce Brinkman, Monroe County Flood Prevention District
Isabelle Crockett, St. Clair County Flood Prevention District
Aaron Metzger, Monroe County Flood Prevention District
Alvin Parks, Jr., St. Clair County Flood Prevention District
Jeremy Plank, Madison County Flood Prevention District
David Schwind, Madison County Flood Prevention District

Members Absent

none

Others in Attendance

Robert Elmore, Monroe County Board Chair
Kurt Prenzler, Madison County Board Chair
Chuck Etwert, SW Illinois FPD Council
Steve Adler, Metro-East Sanitary District
Totsie Bailey, Southwestern Illinois Building Trades Council
Randy Cook, Wood Environment & Infrastructure Solutions, Inc.
Tim Eagleton, FM Global
Hal Graef, U.S. Army Corps of Engineers
Gary Hoelscher, Millennia Professional Services
David Human, Husch Blackwell LLP
Charles Juneau, Juneau Associates Inc.
Tracey Kelsey, U.S. Army Corps of Engineers
Lance Lunte, Lochmueller Group
Jay Martin, Wood Environment & Infrastructure Solutions, Inc.
Rick Mauch, SCI Engineering
Don Sawicki, Metro-East Sanitary District
Cas Sheppard, SMS Engineers
Ethan Thompson, Wood Environment & Infrastructure Solutions, Inc.

Kevin Williams, Wood Environment & Infrastructure Solutions, Inc.

Call to order

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

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

- Mr. Brinkman – Present
- Mr. Conrad – Present
- Ms. Crockett – Present
- Mr. Metzger - Present
- Dr. Moore – Present
- Mr. Motil – Present
- Mr. Plank - Present
- Mr. Schwind - Present

A quorum was present.

Prior to beginning the agenda, the Board congratulated Mr. Schwind on becoming a grandfather for the first time.

Approval of Minutes of May 15, 2019

Mr. Motil asked for a motion to approve the minutes of the Board meeting held on May 15, 2019. A motion was made by Ms. Crockett, seconded by Dr. Moore, to approve the minutes of the Board meeting held on May 15, 2019. Mr. Conrad called the roll and the following votes were made on the motion:

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

The meeting minutes were approved.

Public Comment on Pending Agenda Items

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

Program Status Report

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

Mr. Etwert first discussed the current May/June Mississippi River flood event which continues to recede and reported all of the Council's improvements performed as intended and the Metro East American Bottom levees handled the flood event much better than before.

The May 6th crest and the June 8th crest have now been combined into one event, with the June 8th crest of 45.93 ft. now being the second highest crest on record (highest crest 49.58 ft. on August 1, 1993). With the January 1, 2016 crest of 42.52 ft. and the May 6, 2017 crest of 41.70 ft., we now have had three of the highest ten crests in the last four years.

It was also noted that as July 17th, the Mississippi River at St. Louis had been above flood stage for 123 consecutive days, surpassing the 1993 flood event record of 104 days. It was currently projected to remain above flood stage for an additional two days until Friday July 19th.

These events and their longevity continue to reflect the need for the work that the Council is doing.

Next he discussed the 100-Year Certification Packages

100-Year Certification Packages Status

He indicated Wood certified against the existing effective base flood elevations for Carr Creek and submitted the Prairie Du Pont and Fish Lake Illinois Flood Protection Project Certification Documents to FEMA on April 16, 2019. Even though FEMA, previously indicated that it had everything it needed to issue a letter of continued accreditation, on Monday July 15th, FEMA asked for some additional minor items to reconcile, thus postponing the issuance of the letter of continued accreditation. Wood intends to provide the additional requested information in the next seven to ten days. Hopefully, the letter of continue accreditation will be received within the next thirty days.

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

In the Cahokia, Indian, West Fork Wood River, and Wood River/East Fork Wood River tributaries, it has taken Wood a little longer to complete the updated modeling but anticipates submitting to the Illinois State Water Survey (ISWS) by the end of the month.

When the H&H modeling is completed, Wood will begin some targeted geotechnical re-analysis of certain reaches in Lower Wood River due to the revised modeling indicating higher water elevations. The geotechnical re-analysis and the ISWS review will happen concurrent.

FEMA's issuance of continued accreditation letters for the Wood River East & West Forks, and Lower Wood River Systems will be dependent on the review of the resubmittals by ISWS and the Illinois Department of Natural Resources.

The Corps of Engineers continues to wait for FEMA to respond to their Upper Wood River resubmittal.

He then discussed the 500-Year Authorized Level Status.

500-Year Authorized Level Status

Wood River Levee System

Wood continues the design of Bid Package #8, which will be constructed by the Corps of Engineers. A bid opening and award is anticipated before the end of the year.

Execution of the new Project Partnership Agreement for the Wood River Levee System is scheduled to take place next week. This will allow for the utilization of \$16,041,496 of Work In-Kind credit, which has already received preliminary approval.

The remaining \$4,256,759 dollars of Work In-Kind credit needed, will be achieved with eligible Wood design and a relief well abandonment package.

MESD Levee System

Wood continues to take the Corps' design of the Cahokia Relief Well Project, estimated cost \$8.5 million dollars, and develop the Council's Bid Package #18. Design completion has been delayed due to seismic design guidelines, which Wood will explain later in the meeting during their update report. Council award of the contract may be delayed from November 2019 to January 2020.

The Corps of Engineers has informed Wood and the Council, Bid Package #14, a shallow clay trench and filter blanket project with an estimated construction cost of \$4.3 million dollars, scheduled for Board approval in November, cannot be totally built at this time due to the staging area of the MESD Deep Cutoff Wall. Therefore, Bid Package #14 will be divided into Bid Packages #14A and #14B, with 14A being built in FY 2020 and 14B being constructed after the Deep Cutoff Wall is completed.

The Corp has also informed us Work In-Kind does not have to be 100% complete in order to utilize the balanced federal funds. This will provide some time flexibility for Bid Packages #18 and #14A, which should provide better bids. However, it still is the intent to complete these projects as soon as possible.

Wood is also continuing the design of Bid Package #11. Design is anticipated to be completed early next year, with Board approval in March 2020. The preliminary estimated construction cost is \$10,000,000 dollars.

As a result of recent flood event flows, it now appears that future Bid Package #12, which is needed for Work In-Kind credit, will involve modifications to MESD pump stations at sites 9 and 10.

The Corps has decided to delay the contract award for the East St. Louis Deep Cutoff Wall Project until November 2019 and bid the project as one contract rather than a base/option approach.

Prairie Du Pont/Fish Lake Levee Systems

The design progress for Bid Packages #15, #16, and #17 continues to wait for the Corps' risk assessment.

The first Potential Failure Mode Analysis (PFMA) and the Semi-Quantitative Risk Assessment (SQRA) have been held. Once all discussions are complete, a design, bid schedule, and **revised** cost estimate will be developed.

The risk assessment review for possible funding not based on a benefit/cost ratio is not anticipated to be completed before the end of the year.

Dr. Moore inquired if delaying the contract award for the East St. Louis Deep Cutoff Wall Project would impact the cost of the project. Mr. Etwert indicated based on a pre-bid conference the Corps held, this approach is thought to be more cost effective. Ms. Kelsey indicated she would address the bid delay in her presentation.

Mr. Plank inquired if there were outcomes of the modeling, the Board should be made aware of. Mr. Cook indicated the outcomes haven't been reached as of yet, but Wood would be willing to make a presentation upon completion. FEMA has indicated the modeling Wood is currently revising will be utilized as FEMA's effective base flood elevation on their flood maps. The modeling being done is for tributaries to the Mississippi River, not the Mississippi River.

Mr. Parks arrived during Mr. Etwert's presentation.

Mr. Motil asked for a motion to accept the Program Status Report for July 2019. A motion was made by Mr. Schwind to accept the Program Status Report for July 2019. Mr. Brinkman

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

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

The motion was approved unanimously.

Budget Update and Approval of Disbursements

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

Mr. Etwert noted that the financial statements for May and June 2019 prepared by fiscal agent, CliftonLarsonAllen, were included in the materials sent for the meeting. The reports include an accounting of revenues and expenditures for the months ending May 31, 2019 and June 30, 2019, as compared to the fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2018 thru June 30, 2019 are \$16,347,561 while revenues amounted to \$9,843,648 resulting in a deficit of \$6,503,913. A total of \$33,364,420 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$1,073,214 for March 2019 were up .57% from last year and monthly sales tax receipts of \$1,069,141 for April 2019 were up 7.61% from last year. Receipts for the year are still down 2.98% from last year, our highest year, due to the February refund in Madison County. However, based on the last two months, the total receipts compared to last year's total receipts, should be on the positive side in the next few months.

He also provided for the Board's review and anyone else who was interested, the bank transactions for May and June 2019. Total disbursements for May were \$608,617.20 and for June were \$316,311.29. The largest payments were to Wood, Spire NGL and the City of Madison. He indicated copies of all of the transactions were available for viewing.

Mr. Etwert recommended that the Board accept the budget report and disbursements for May and June 2019.

Mr. Motil asked for a motion to accept Mr. Etwert's budget report and disbursements for May and June 2019. A motion was made by Mr. Parks, seconded by Ms. Crockett, to accept the budget report and approve the disbursements for May and June 2019. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Design and Construction Update

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

He used a PowerPoint® presentation to illustrate his remarks. His presentation focused on FEMA Certification Update, and the Authorized Level (500-Year) Design as follows:

FEMA Certification Update

A FEMA Submittal Summary was presented.

FEMA Submittal Summary

	Upper Wood River	East/West 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	Pending	Pending	N/A	N/A
3 rd Submittal	Pending	Pending	Pending	N/A	Apr. 16, 2019
FEMA Approval	Pending			Apr. 29, 2019 (Partial)	Pending

Next he discussed the recent flood events, which have occurred during the FEMA and Authorized Level Projects.

4 of the Top 10 Historic Mississippi River at St. Louis Crests have occurred during FEMA and Authorized Level Projects.

HISTORIC MISSISSIPPI RIVER CRESTS		
HISTORIC RANK	RIVER LEVEL	DATE
1	49.58	08 – 01 – 1993
2	45.93	06 – 08 – 2019 «
3	43.23	04 – 28 – 1973
4	42.52	01 – 01 – 2016 «
5	42.00	04 – 01 – 1785
6	41.89	05 – 22 – 1995
7	41.70	05 – 06 – 2017 «
8	41.32	06 – 27 – 1844
9	40.52	06 – 04 – 2013 «
10	40.30	07 – 02 – 1947

Next, Mr. Martin 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

Design is ongoing

23 relief wells and 1 pump station

USACE plans to bid this project in fall 2019

- Bid Packages 9 & 10

On hold pending completion of USACE Risk Assessment & Supplemental Report (< 1 year remaining)

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

- Bid Package 11

Currently discussing necessary pump station modifications
With USACE

Drawings and relief well design is underway

- Bid Packages 12

Is still on hold, pending USACE risk informed
solutions (summer 2019)

- Bid Package 14

95% Plans submitted to USACE on June 25

Split into two packages as of June 27:

Bid Package 14A

Bid Package 14B

- Bid Package 14A

Clay Blanket & Trench Work at America's Central Port

Ditch Fill near Madison Pump Station

Advertise Fall 2019

Award November 2019

- Bid Package 14B

Filter Blanket Under I-70 Bridge

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

ROW Acquisition will continue

- Bid Package 18

Relief wells, Concrete/Culvert Work, Earth Fill

Working through design modifications

USACE BCOES Review Upcoming

Safety Assurance Review after BCOES

Advertise for Bid in Fall 2019, Award November 2019

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

- Still working with USACE to validate solutions
- Additional drilling postponed to mid-2020
- 100% FPD Council funded design and construction (No Federal match)
- USACE Risk Review

Kick Off was December 2018

1st meeting (PFMA) was April 1-5, 2019

2nd meeting (SQRA) is this week (May 13-17, 2019)

10-12 Month duration estimated

LSOG approval planned for April 2020

Lastly, he provided photos of the June 2019 Flood

Prairie DuPont – PdP Canal at Triple Lakes Road During June 2019 Flood



Prairie DuPont – Dewatering at “Bathtub Bridge” During June 2019 Flood



MESD – Dead Creek During June 2019 Flood



Wood River – Installing East Alton Flood Gates During June 2019 Flood



Prairie du Pont – Installing Water Street Flood Gates During June 2019 Flood



Mississippi River at St. Louis, MO. June 10, 2019



There was a brief discussion regarding record levels and the flood crest of 1785. Wood explained the historic levels were determined by converting flow rates into water levels using current river cross section templates.

Mr. Motil requested the minutes reflect the Council's thanks and appreciation to the Corps of Engineers, engineers, contractors, and labor for a job well done with all of the improvements working the way they were designed to work.

Mr. Motil asked for a motion to accept Mr. Martin's Design and Construction Update report. A motion was made by Mr. Brinkman, with a second by Dr. Moore, to accept the Wood Environment & Infrastructure Solutions, Inc. Design and Construction Update report. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Draft FY 2020 Flood Prevention District Council Budget

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

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

He indicated the FEMA certification process will continue into FY 2020. On April 29th FEMA accepted the MESD Levee System as structurally sound. A letter of continued accreditation for the Prairie Du Pont/Fish Lakes Levee Systems is now anticipated after a few small items are reconciled. Additional flow modeling is still being completed for the Cahokia, Indian, and the East/West Forks Wood River. With reviews and approvals required 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 early FY 2020. The Corps of Engineers is also waiting for FEMA's approval of the Upper Wood River Package submitted in March 2017.

The FY 2020 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 2020 includes Bid Packages #18, #14A, #11 and #9. A final cash contribution to the Corps of Engineers satisfying the required five percent cash contribution for the East St. Louis Design Deficiency Project will be made in FY 2020. 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. He indicated he continued the past practice of making conservative revenue and expenditure assumptions.

A draft FY 2020 budget was provided in Table 1.

Key assumptions were:

1. FEMA certification of all of the levee systems will be completed in FY 2020.
2. The level of Council staffing does not change in FY 2020, 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 increase by 2.00% over the estimated receipts for the current year. Interest income is based on information received from our financial advisor.
6. Funding for Corps of Engineers' required five percent cash contribution and for oversight on FPD design and construction and has been included.
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 September 2020 and March 2021. There is currently \$33,364,420 in the County FPD sales tax funds.
9. The budget has been developed to provide flexibility to coincide with the Corps of Engineers' utilization of the Risk Informed Process and Risk Assessment. The Council will continue to work with the Corps of Engineers regarding project priorities and design & construction responsibilities between the Corps and Wood.

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

Table 3 compared the Estimated Authorized Level Funding Needed for FY 2020 thru FY 2022 to the Estimated Available Authorized Level Funding FY 2020 thru FY 2022, indicating an anticipated funding shortage slightly over \$25 million dollars. This shortage would be covered by possible bond refunding and the issuance of a third bond issue

He indicated the Authorized Level was early in the process and there were 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. Sales tax revenues continue to increase greater than originally projected, providing the ability to issue additional bonds generating more funds.

These tables and the draft budget illustrated that the Council would meet its goal of achieving FEMA certification with the revenue available from the dedicated FPD sales tax and have significant funds available for Authorized Level improvements.

Easements, high river stages, construction delays, lengthy reviews, and additional reviews have push accreditation back, but all accreditations will be completed in FY 2020.

After considering any comments or suggestions over the next month, a final FY 2020 budget will be presented at the August Board meeting for adoption and forwarding to the county boards for their approval.

It was confirmed that the Board would meet in August, to approve the Budget for FY 2020, the election of officers and approval of the Council's Annual Report.

Mr. Motil asked for a motion to accept Mr. Etwert's report on the Draft FY 2020 Flood Prevention District Council Budget. A motion was made by Mr. Schwind, with a second by Mr. Parks to accept Mr. Etwert's report on the Draft FY 2020 Flood Prevention District Council Budget. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

MESD LERRDs Authorization

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

Mr. Etwert indicated in conjunction, with the Council's previous approval of the MESD LERRDs costs for engineering, easements, relocations, and disposal sites, the Craney Law Group, LLC, MESD's legal counsel, has submitted their estimated costs for legal services related to the Corps of Engineers' East St. Louis Deep Cutoff Wall Project and the Stage 2 Relief Well Project, needed for the Design Deficiency Corrections for the East St. Louis, Illinois Flood Protection Project.

These costs are the responsibility of the non-federal partner and are eligible to be included in the Land Easements Relocations Right of Way & Disposal Sites (LERRDs) costs which can be part of the non-federal thirty five percent share of overall project costs.

Copies of the Craney Law Groups' proposed budgets for the first two projects were provided with the agenda.

These budgets are for the first two of seven bid packages the Corps of Engineers will be completing for the Authorized Level. They involve over 85 different land parcels and over 30 different owners. Future budgets for additional legal services will be presented as bid packages are finalized.

Mr. Etwert requested authorization to compensate the Craney Law Group, LLC for services performed in conjunction with the Corps of Engineers' East St. Louis Deep Cutoff Wall Project and Stage 2 Relief Well Project for \$17,840.00 and \$15,740.00 for a total amount of \$33,580.00.

Mr. Motil asked for a motion to authorize the Chief Supervisor to compensate the Craney Law Group, LLC for services performed in conjunction with the Corps of Engineers' East St. Louis Deep Cutoff Wall Project and Stage 2 Relief Well Project for \$17,840.00 and \$15,740.00 for a total amount of \$33,580.00.

A motion was made by Dr. Moore, with a second by Mr. Parks to authorize the Chief Supervisor to compensate the Craney Law Group, LLC for services performed in conjunction with the Corps of Engineers' East St. Louis Deep Cutoff Wall Project and Stage 2 Relief Well Project for \$17,840.00 and \$15,740.00 for a total amount of \$33,580.00. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

East St. Louis Deep Cutoff Wall – Ameren Illinois Relocation

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

Mr. Etwert explained due to a location conflict with the Corps of Engineers' proposed East St. Louis Deep Cutoff Wall, Ameren Illinois will be relocating its existing Cahokia-Ashley -2 138kV Transmission Line and its Ashley-Venice-2 138 kV Transmission Line to facilitate the construction of the project at an estimated cost of \$115,000.

As previously explained, it is the Non-Federal Sponsor's responsibility to obtain all land, easements rights-of-way, relocations and disposal area (LERRDs) necessary for the construction of Authorized Level Improvements. Similar to the Spire relocation approved in May, MESD is responsible for this relocation. Fortunately, LERRD costs are eligible to be part of the Non-Federal sponsor's thirty five percent share of overall project costs.

As with almost all of utility work, Ameren Illinois is requesting a pre-payment prior to proceeding with the relocation project.

This is an estimated cost and upon completion of the work, Ameren Illinois will compute the actual cost of the work and any difference between the amount of this payment and the actual cost will be either paid by the FPDC or refunded to the FPDC by Ameren Illinois as the case may be. He indicated the Council's experience with utility companies is that their estimates are always sufficient to complete their proposed work.

A copy of the proposed Utility Relocation Agreement was provided with the agenda.

Mr. Etwert requested authorization to pay Ameren Illinois Company \$115,000 for the relocation of the Cahokia-Ashley -2 138kV Transmission Line and the Ashley-Venice-2 138 kV Transmission Line in conjunction with the Corps of Engineers' proposed East St. Louis Deep Cutoff Wall Project.'

Mr. Motil asked for a motion to authorize the Chief Supervisor to pay Ameren Illinois Company \$115,000 for the relocation of the Cahokia-Ashley -2 138kV Transmission Line and the Ashley-Venice-2 138 kV Transmission Line in conjunction with the Corps of Engineers' proposed East St. Louis Deep Cutoff Wall Project.

A motion was made by Ms. Crockett, with a second by Mr. Parks to the Chief Supervisor to pay Ameren Illinois Company \$115,000 for the relocation of the Cahokia-Ashley -2 138kV Transmission Line and the Ashley-Venice-2 138 kV Transmission Line in conjunction with the Corps of Engineers' proposed East St. Louis Deep Cutoff Wall Project. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Corps of Engineers Update

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

Ms. Kelsey provided an update of the current activities of the Corps using a PowerPoint® presentation 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

- **Wood River**
 - Relief well package
 - BP 8 – Design continues
 - Pump station package
 - Real Estate required for all current work
 - PPA WIK Amendment approved July 9, 2019; execution pending

- **East St. Louis**
 - Cutoff Wall
 - Contract to advertise on July 23, 2019
 - Proposals due on September 23, 2019
 - Contract award November 2019
 - Real estate to be acquired by August 23, 2019
 - WIK efforts for BP11, BP 14, BP 18
 - MVS continues design efforts on relief wells and toe drain

- **Metro East Risk Communication** – 1st meeting was held on July 10, 2019. Additional meetings are scheduled for August 6, 15, and 21.

She explained, the Deep Cutoff Wall award date was moved from September to November to accommodate necessary real estate acquisition, and based on comments from a meeting with potential contractors, it was felt that a single contract instead of a base with an option would provide more competitive bids.

Mr. Etwert indicated the Deep Cutoff Wall contract was a large contract, estimated to be in the forty million dollar range, probably the largest Authorized Level project. Since the contract was going out to bid soon, Ms. Kelsey couldn't comment on an estimated cost.

It was indicated the proposed cutoff wall was 4500 feet in length and there would be an on-site pre-bid meeting held on August 8th.

There was a lengthy discussion regarding if the Corps did a recap or summary of how the system performed after a major event like this. Ms. Kelsey wasn't aware of a formal process, but she indicated that the Corps' flood fight teams being on the levees during the event, take note of any issues. So there is good documentation of what occurs during an event and what issues need to be addressed. It was suggested that the Corps considered doing an overall recap and analysis of major events. Ms. Kelsey stressed that the levees performed very well during this event and future Authorized Level work will bolster the levee system.

Ms. Kelsey was asked to present relative operational data collected for the May/June event at the next meeting.

The Corps was complimented on its anticipation and projection of the May/June event.

Mr. Motil 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. Brinkman to receive the Corps of Engineers Update Report. Mr. Conrad called the roll and the following votes were made on the motion:

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

The motion was approved unanimously.

Public Comment

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

Mr. Motil indicated the Board would be going into an executive session and indicated that it was anticipated that there would action by the Board on the purchase or lease of real property when the Board reconvenes the public session. No other items would be discussed.

Mr. Motil asked to adjourn the public session and convene an executive session regarding the purpose of discussing the purchase or lease of real property by a public agency.

Ms. Crockett made a motion at 8:33 a.m. to convene a closed session under Open Meetings Act 5 ILCS 120/2 (c) (5) for the purpose of discussing the purchase or lease of real property by a public agency. The motion was seconded by Mr. Parks. It was indicated that all Board members and County Board Chairs should be present, along with David Human, Charles Juneau, Don Sawicki, Jay Martin, Randy Cook, and Chuck Ewert.

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

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

The motion was approved unanimously.

Mr. Motil asked for a motion to adjourn the executive session and reconvene the public session.

Mr. Schwind made a motion to adjourn the executive session and reconvene the public session at 8:45 a.m. Dr. Moore seconded the motion. Mr. Conrad called the roll and the following votes were made on the motion:

- Mr. Brinkman – Aye
- Mr. Conrad – Aye
- Ms. Crockett - Aye
- Mr. Metzger - Aye
- Dr. Moore – Aye
- Mr. Motil – Aye

Mr. Parks – Aye
Mr. Plank – Aye
Mr. Schwind - Aye

The motion was approved unanimously.

Mr. Motil called the meeting to order at 8:46 a.m.

Real Estate Transaction

A motion was made by Mr. Parks, with a second by Ms. Crockett to acquire an additional Temporary Road Easement for \$44,436.80 and an additional Temporary Work Area Easement for \$103,530.40 from the Terminal Railroad Association of St. Louis (TRRA) (Wiggens Ferry Co.) for a total of \$147,967.20 for the East St. Louis Deep Cutoff Wall Project.

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

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

The motion was approved unanimously.

Other Business

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

Adjournment

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

Respectfully submitted,

John Conrad,
Secretary/Treasurer, Board of Directors

Metro East Projects, IL

Project Status

- Wood River
 - Relief well package
 - BP 8 – Design continues
 - Pump station package
 - Real Estate required for all current work
 - PPA WIK Amendment approved July 9, 2019; execution pending
- East St Louis
 - Cutoff Wall
 - ✓ Contract to advertise on July 23, 2019
 - ✓ Proposals due on September 23, 2019
 - ✓ Contract award November 2019
 - ✓ Real estate to be acquired by August 23, 2019
 - WIK efforts for BP 11, BP 14, BP 18 continue
 - MVS continues design efforts on relief wells and toe drain
- Metro East Risk Communication – 1st meeting was held on July 10, 2019. Additional meetings are scheduled for August 6, 15, and 21.





Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for August 2019
Date: August 19, 2019

100-Year Certification Packages Status

Wood submitted to FEMA the additional information requested for the Prairie Du Pont and Fish Lake Illinois Flood Protection Project Certification on July 24, 2019. A letter of continued accreditation is anticipated in the near future.

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

Wood completed and submitted to the Illinois State Water Survey (ISWS) the additional hydrology and hydraulic (H&H) data for the Cahokia Creek, Indian Creek, West Fork Wood River, East Fork Wood River and Wood River on July 31, 2019.

Wood will begin some targeted geotechnical re-analysis of certain reaches in Lower Wood River due to the revised modeling indicating higher water elevations. The geotechnical re-analysis and the ISWS review will happen concurrent.

FEMA's issuance of continued accreditation letters for the Wood River East & West Forks, and Lower Wood River Systems will be dependent on the review of the resubmittals by ISWS and the Illinois Department of Natural Resources.

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

500-Year Authorized Level Status

Wood River Levee System

Wood continues the design of Bid Package #8, which will be constructed by the Corps of Engineers. A bid opening and award is anticipated before the end of the year.

Execution of the amended Project Partnership Agreement for the Wood River Levee System allowing for the utilization of Work In-Kind credit was executed on July 26, 2019. \$16,041,496 of Work In-Kind credit has been earned to date.

The remaining \$4,256,759 dollars of Work In-Kind credit needed, will be achieved with eligible Wood design and a relief well abandonment package.

MESD Levee System

Wood continues to take the Corps' design of the Cahokia Relief Well Project, estimated cost \$9.7 million dollars, and develop the Council's Bid Package #18. Design completion was delayed due to seismic design guidelines, however, currently scheduled for advertisement late September and award in November 2019.

Wood is completing the design of Bid Package #14A, which involves the construction of a riverside shallow cutoff trench, two riverside clay blankets, and filling of a landside ditch. The current estimated cost is \$1.3 million dollars with a bid date also this September.

Wood is also continuing the design of Bid Package #11, additional pump station alterations have been added to the project scope. Design is anticipated to be completed early next year, with Board approval in March 2020. The preliminary estimated construction cost is \$9,500,000 dollars.

As a result of recent flood event flows, it now appears that future Bid Package #12, which is needed for Work In-Kind credit, will involve modifications to MESD pump stations at sites 9 and 10.

The Corps' East St. Louis Deep Cutoff Wall Project is now out on the street for bid. A pre-bid site meeting was held on August 8, 2019 and was well attended.

Prairie Du Pont/Fish Lake Levee Systems

The design progress for Bid Packages #15, #16, and #17 continues to wait for the Corps' risk assessment.

The first Potential Failure Mode Analysis (PFMA) and the Semi-Quantitative Risk Assessment (SQRA) have been held. Once all discussions are complete, a design, bid schedule, and revised cost estimate will be developed.

The risk assessment review for possible funding not based on a benefit/cost ratio is now anticipated to be completed by summer 2020.

On August 8th, I met with Mr. Gary Waxman, Office of Management and Budget Examiner for Flood Risk Management and Flood Control and Coastal Emergency, Mr. Mark Roupas, HQUSACE Deputy Chief, Office of Homeland Security USACE, and Mr. Jeff Jensen, HQUSACE Flood Risk Management Business Line Manager to discuss the work the Council is doing with the Corps and the need for funding. Mr. Waxman is the individual who makes the final recommendation to the President on what projects are included in the President's budget.

The Levee Community Preparedness Presentations with the Levee Issues Alliance and the Corps of Engineers continue with the Rotaries of Columbia & Granite City and the Dupo/Carondelet Chamber of Commerce being completed and the Columbia & Waterloo Chambers of Commerce and the East Alton Rotary currently scheduled.



Memo to: Board of Directors
From: Chuck Ewert
Subject: Budget and Disbursement Reports for July 2019
Date: August 19, 2019

Current Budget Highlights

Attached is the financial statement for July 2019 prepared by our fiscal agent, CliftonLarsonAllen. The reports include an accounting of revenues and expenditures for the month ending July 31, 2019, as compared to our fiscal year budget.

Accrued expenditures for the current fiscal year beginning on October 1, 2018 thru July 31, 2019 are \$16,682,703 while revenues amounted to \$10,961,023 resulting in a deficit of \$5,721,680. A total of \$33,364,420 is held by the counties in their respective FPD sales tax funds and will be needed by the Council for the 500-Year Authorized Level of Protection.

Monthly sales tax receipts of \$1,104,088 for May 2019 were up .18% from last year. Receipts for the year are still down 2.27% from last year, our highest year, due to the February refund in Madison County.

Monthly Disbursements

Attached are the lists of bank transactions for July 2019. Total disbursements for July were \$318,236.75.

Recommendation: Accept the budget report and disbursements for July 2019.



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION
DISTRICT COUNCIL**

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

TEN MONTHS ENDED JULY 31, 2019 AND 2018



CliftonLarsonAllen

CliftonLarsonAllen LLP
www.cliftonlarsonallen.com

Board Members
Southwestern Illinois Flood Prevention District Council
Collinsville, Illinois

Management is responsible for the accompanying General Fund Statement of Revenues and Expenditures of Southwestern Illinois Flood Prevention District Council (the "Council") for the ten months ended July 31, 2019 and 2018, 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, 2019 and 2018, 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, 2019

**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
	ORIGINAL	FINAL		FINAL BUDGET
				POSITIVE (NEGATIVE)
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	<u>12,755,000</u>	<u>12,755,000</u>	<u>10,961,023</u>	<u>1,793,977</u>
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	<u>31,897,347</u>	<u>31,897,347</u>	<u>4,105,461</u>	<u>27,791,886</u>
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	<u>399,500</u>	<u>399,500</u>	<u>75,349</u>	<u>324,151</u>
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	<u>2,500,000</u>	<u>2,500,000</u>	<u>1,836,261</u>	<u>663,739</u>
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	<u>10,026,500</u>	<u>10,026,500</u>	<u>10,449,714</u>	<u>(423,214)</u>
Total Operating Expenses	<u>44,823,347</u>	<u>44,823,347</u>	<u>16,466,785</u>	<u>28,356,562</u>
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	<u>291,200</u>	<u>291,200</u>	<u>215,920</u>	<u>75,280</u>
Total Expenditures	<u>45,114,547</u>	<u>45,114,547</u>	<u>16,682,703</u>	<u>28,431,842</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(32,359,547)	(32,359,547)	(5,721,680)	26,637,867
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (32,359,547)</u>	<u>\$ (32,359,547)</u>	<u>\$ (5,721,680)</u>	<u>\$ 26,637,867</u>

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
GENERAL FUND
STATEMENT OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL
TEN MONTHS ENDED JULY 31, 2018 (Actual)
FISCAL YEAR ENDING SEPTEMBER 30, 2018 (Budget)**

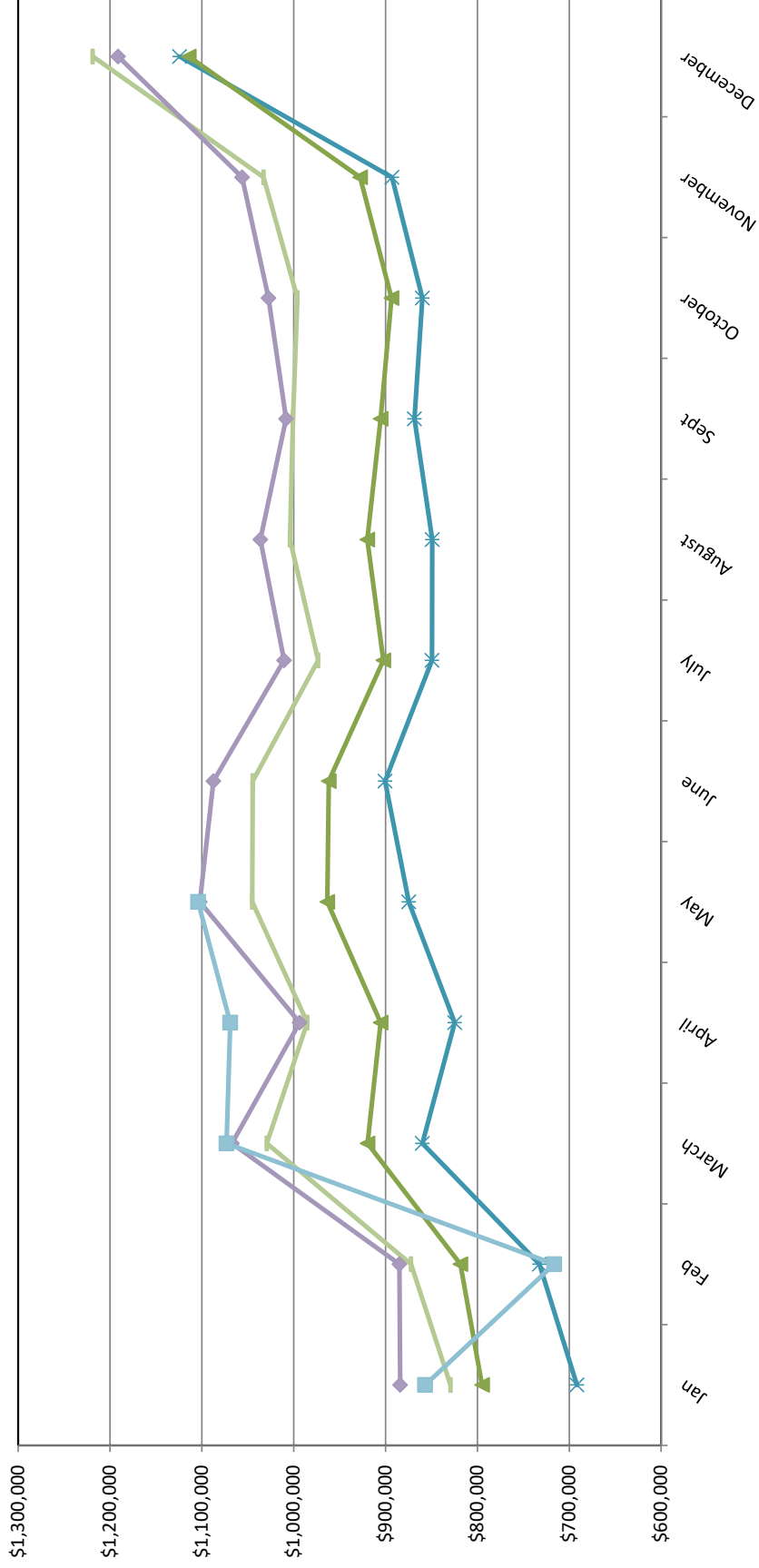
	BUDGET		ACTUAL	VARIANCE WITH FINAL BUDGET
	ORIGINAL	FINAL		POSITIVE (NEGATIVE)
REVENUES				
Sales Tax Proceeds From Districts	\$ 11,835,000	\$ 11,835,000	\$ 10,053,730	\$ 1,781,270
Interest Income	225,000	225,000	576,963	(351,963)
Other Contributions	-	-	-	-
Total Revenues	<u>12,060,000</u>	<u>12,060,000</u>	<u>10,630,693</u>	<u>1,429,307</u>
EXPENDITURES				
Current				
Design and Construction				
Engineering Design & Construction Management	5,688,038	5,688,038	2,324,440	3,363,598
Construction	7,330,945	7,330,945	2,717,115	4,613,830
Construction and design by US ACE	<u>6,157,291</u>	<u>6,157,291</u>	<u>207,000</u>	<u>5,950,291</u>
Total Design and Construction	19,176,274	19,176,274	5,248,555	13,927,719
Professional Services				
Legal & Legislative Consulting	486,000	486,000	128,584	357,416
Diversity Program Manager	11,525	11,525	6,600	4,925
Financial Advisor	65,000	65,000	13,410	51,590
Bond Underwriter/Conduit Issuer	<u>16,000</u>	<u>16,000</u>	<u>7,942</u>	<u>8,058</u>
Total Professional Services	578,525	578,525	156,536	421,989
Refund of Surplus Funds to County FPD Accounts				
Madison County	1,459,170	1,459,170	813,376	645,794
Monroe County	141,990	141,990	80,851	61,139
St. Clair County	<u>1,398,840</u>	<u>1,398,840</u>	<u>789,674</u>	<u>609,166</u>
Total Refund of Surplus Funds to County	3,000,000	3,000,000	1,683,901	1,316,099
Debt Service				
Principal and Interest	10,798,620	10,798,620	10,784,424	14,196
Federal Interest Subsidy	<u>(847,340)</u>	<u>(847,340)</u>	<u>(425,035)</u>	<u>(422,305)</u>
Total Debt Service	9,951,280	9,951,280	10,359,389	(408,109)
Total Operating Expenses	32,706,079	32,706,079	17,448,381	15,257,698
General and Administrative Costs				
Salaries, Benefits	203,000	203,000	156,797	46,203
Bank Service Charges	1,500	1,500	704	796
Conference Registration	350	350	307	43
Equipment and Software	2,000	2,000	2,889	(889)
Fiscal Agency Services	31,000	31,000	25,600	5,400
Audit Services	16,000	16,000	16,000	-
Meeting Expenses	1,000	1,000	-	1,000
Postage/Delivery	1,000	1,000	670	330
Printing/Photocopies	3,500	3,500	1,471	2,029
Professional Services	10,000	10,000	-	10,000
Publications/Subscriptions	250	250	-	250
Supplies	3,300	3,300	386	2,914
Telecommunications/Internet	3,000	3,000	1,793	1,207
Travel	5,000	5,000	407	4,593
Insurance	<u>1,000</u>	<u>1,000</u>	<u>484</u>	<u>516</u>
Total General & Administrative Costs	281,900	281,900	207,508	74,392
Total Expenditures	32,987,979	32,987,979	17,655,889	15,332,090
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(20,927,979)	(20,927,979)	(7,025,196)	13,902,783
OTHER FINANCING SOURCES				
Proceeds From Borrowing	-	-	-	-
NET CHANGE IN FUND BALANCE	<u>\$ (20,927,979)</u>	<u>\$ (20,927,979)</u>	<u>\$ (7,025,196)</u>	<u>\$ 13,902,783</u>

Flood Prevention District Sales Tax Trends 2009-2019

	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	
2010														
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	
2011														
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	
2012														
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	
2013														
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	
2014														
Madison	\$373,895	\$383,909	\$456,964	\$457,729	\$484,657	\$491,911	\$455,629	\$454,995	\$442,808	\$447,128	\$452,169	\$521,522	\$5,423,317	47.785%
St. Clair	\$354,762	\$395,885	\$460,143	\$436,379	\$458,819	\$470,546	\$426,263	\$434,064	\$445,419	\$433,077	\$446,001	\$591,387	\$5,352,747	47.163%
Monroe	\$42,321	\$39,665	\$47,587	\$47,796	\$52,206	\$49,022	\$47,357	\$46,167	\$50,056	\$48,920	\$49,552	\$52,714	\$573,362	5.052%
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	
Cumulative Total	\$770,978	\$1,590,437	\$2,555,131	\$3,497,036	\$4,492,718	\$5,504,197	\$6,433,446	\$7,368,671	\$8,306,955	\$9,236,081	\$10,183,803	\$11,349,426		
% change/month	-3.01%	0.13%	4.90%	4.03%	3.35%	5.17%	2.99%	1.68%	3.64%	3.98%	2.16%	4.61%		
% change/total	-3.01%	-1.42%	0.88%	1.71%	2.07%	2.62%	2.68%	2.55%	2.67%	2.80%	2.74%	2.93%	2.93%	
2015														
Madison	\$399,500	\$390,593	\$446,269	\$464,703	\$481,304	\$486,423	\$453,262	\$461,408	\$460,379	\$462,462	\$452,448	\$543,239	\$5,501,990	47.932%
St. Clair	\$379,901	\$383,206	\$462,400	\$425,254	\$455,740	\$483,020	\$432,378	\$448,558	\$448,981	\$443,474	\$449,738	\$604,257	\$5,416,905	47.191%
Monroe	\$42,760	\$39,903	\$45,866	\$47,189	\$50,546	\$48,723	\$47,636	\$45,837	\$46,257	\$46,831	\$46,048	\$52,198	\$559,793	4.877%
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	
Cumulative Total	\$822,161	\$1,635,863	\$2,590,397	\$3,527,543	\$4,515,133	\$5,533,299	\$6,466,575	\$7,422,377	\$8,377,994	\$9,330,760	\$10,278,994	\$11,478,688		
% change/month	6.64%	-0.70%	-1.05%	-0.51%	-0.81%	0.66%	0.43%	2.20%	1.85%	2.54%	0.05%	2.92%		
% change/total	6.64%	2.86%	1.38%	0.87%	0.50%	0.53%	0.51%	0.73%	0.86%	1.03%	0.93%	1.14%	1.14%	

Flood Prevention District Sales Tax Trends 2009-2019

Monthly Receipts 2009-2013-2017-2018-2019



**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
SUPPLEMENTARY SUPPORTING SCHEDULE
BANK TRANSACTIONS
July 31, 2019**

Beginning Bank Balance as of July 1, 2019		\$ 1,004,758.45
Receipts		
UMB Bank	07/15/2019 Admin Transfer	37,264.96
UMB Bank	07/15/2019 Construction Transfer	411,475.60
The Bank of Edwardsville	07/31/2019 Interest	2,210.42
		\$ 450,950.98
Disbursements		
Wood Environmental	07/08/2019 Construction	299,457.00
Craney Law Group, LLC	07/10/2019 Legal	5,863.50
Craney Law Group, LLC	07/10/2019 Legal	1,804.50
Husch Blackwell	07/15/2019 Legal	3,606.00
UMB Bank, NA	07/16/2019 Bond Trustee	3,794.80
AT&T	07/16/2019 Internet	102.45
Copy Less Copy Center	07/16/2019 Copies	190.40
CliftonLarsonAllen LLP	07/18/2019 Accounting	1,205.00
The Bank of Edwardsville	07/18/2019 Wire Fee	15.00
The Bank of Edwardsville	07/18/2019 Wire Fee	15.00
FedEx	07/22/2019 Postage	23.38
Endicia	07/22/2019 Postage	4.69
Columbia Capital	07/24/2019 Financial Advisor	900.00
CliftonLarsonAllen LLP	07/29/2019 Accounting	1,223.27
The Bank of Edwardsville	07/31/2019 Bank Fees	31.76
		\$ 318,236.75
		\$ 1,137,472.68



Memo to: Board of Directors
From: Chuck Etwert
Subject: FY 2020 Annual Budget
Date: August 19, 2019

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, lengthy reviews, and additional reviews have push the certification process back, but all FEMA accreditations will be achieved in FY 2020.

The FY 2020 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 2020 includes Bid Packages #18, #14A, #11 and #9. A final cash contribution to the Corps of Engineers satisfying the required five percent cash contribution for the East St. Louis Design Deficiency Project will be made in FY 2020. 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. I have continued the past practice of making conservative revenue and expenditure assumptions.

The recommended FY 2020 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.

Key assumptions are:

1. FEMA certification of all of the levee systems will be completed in FY 2020.

2. The level of Council staffing does not change in FY 2020, 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 increase by 2.00% over the estimated receipts for the current year. Interest income is based on information received from our financial advisor
6. Funding for Corps of Engineers' required five percent cash contribution and for oversight on FPD design and construction and has been included.
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 September 2020 and March 2021. There is currently \$33,364,420 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 2020 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
DRAFT BUDGET
OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020**

	ACTUAL EXPENDITURES OCTOBER 1, 2017 THRU SEPTEMBER 30, 2018	ADOPTED BUDGET OCTOBER 1, 2018 THRU SEPTEMBER 30, 2019	PROJECTED EXPENDITURES OCTOBER 1, 2018 THRU SEPTEMBER 30, 2019	PROPOSED BUDGET OCTOBER 1, 2019 THRU SEPTEMBER 30, 2020
REVENUES				
Sales Tax Proceeds From Districts	\$ 12,243,127	\$ 12,475,000	\$ 12,206,666	\$ 12,455,000
Interest Income	650,302	280,000	1,146,874	350,000
Other Contributions			-	-
Total Revenues	\$ 12,893,429	\$ 12,755,000	\$ 13,353,540	\$ 12,805,000
EXPENDITURES				
Design and Construction				
Engineering Design & Construction Management	2,615,428	7,869,377	2,809,531	5,250,032
Construction	2,719,937	20,527,970	914,617	20,170,000
USACE Authorized Level Costs	207,000	3,500,000	2,100,000	2,772,851
Total Design and Construction	\$ 5,542,365	\$ 31,897,347	\$ 5,824,148	\$ 28,192,883
Professional Services				
Legal & Legislative Consulting	154,024	322,500	115,000	297,500
Diversity Program Manager	6,600	-	-	-
Financial Advisor	15,210	65,000	65,000	65,000
Bond Trustee Fee	9,521	12,000	12,000	12,000
Total Professional Services	\$ 185,355	\$ 399,500	\$ 192,000	\$ 374,500
Refund of Surplus Funds to County FPD Accounts				
Total Refund of Surplus Funds to County	\$ 1,683,901	\$ 2,500,000	\$ 1,836,261	\$ 2,000,000
Debt Service				
Principal and Interest	10,784,424	10,876,570	10,876,570	10,949,970
Federal Interest Subsidy	(850,071)	(850,070)	(853,711)	(853,711)
Total Debt Service	\$ 9,934,353	\$ 10,026,500	\$ 10,022,859	\$ 10,096,259.0
Total Design & Construction Expenses	\$ 17,345,974	\$ 44,823,347	\$ 17,875,268	\$ 40,663,642
General and Administrative Costs				
Salaries, Benefits	193,016	213,000	215,000	220,000
Bank Service Charges	866	1,200	784	1,000
Annual IL. Lobbyist Registration	307	-	-	-
Equipment and Software	3,141	2,000	1,022	2,000
Fiscal Agency Services	30,280	32,000	29,915	34,000
Audit Services	16,000	16,500	16,500	17,000
Meeting Expenses	-	1,000	-	1,000
Postage/Delivery	709	1,000	522	1,000
Printing/Photocopies	1,870	2,500	1,350	2,000
Professional Services	-	10,000	10,000	10,000
Supplies	464	3,000	1,526	3,000
Telecommunications/Internet	2,900	3,000	2,077	3,000
Travel	689	5,000	820	5,000
Insurance	484	1,000	484	1,000
Total General & Administrative Costs	\$ 250,726	\$ 291,200	\$ 280,000	\$ 300,000
Total Expenditures	\$ 17,596,700	\$ 45,114,547	\$ 18,155,268	\$ 40,963,642
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(4,703,271)	\$ (32,359,547)	\$ (4,801,728)	\$ (28,158,642)
OTHER FINANCING SOURCES				
Proceeds From Borrowing		-	\$ -	\$ -
NET CHANGE IN FUND BALANCE	\$ (4,703,271)	\$ (32,359,547)	\$ (4,801,728)	\$ (28,158,642)



Memo to: Board of Directors

From: Chuck Etwert

Subject: Annual Report

Date: August 19, 2019

Attached is the proposed Annual Report for FY 2019. 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 2019 Annual Report to the county boards of St. Clair, Madison, and Monroe counties.

Southwestern Illinois Flood
Prevention District Council

Annual Report 2018-2019



August 21, 2019



104 United Drive
Collinsville, IL 62234

618-343-9120

www.floodpreventiondistrict.org

August 21, 2019

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

Board of Directors

Ron Motil

President

Debra Moore

Vice President

John Conrad

Secretary-Treasurer

Bruce Brinkman

Isabelle Crockett

Aaron Metzger

Alvin L. Parks Jr.

Jeremy Plank

David Schwind

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

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

Chairmen Elmore, Kern, and Prenzler:

Charles M. Ewert
Chief Supervisor of
Construction and the Works

Transmitted herewith is the 2018-2019 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 has continued to make great progress toward achieving both goals during the last year.

We will enter FY 2020 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 have been very lengthy and in some cases have involved the addition of some Illinois state agencies.

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

On July 24, 2019, Wood submitted the fourth submittal package to FEMA for the Prairie Du Pont and Fish Lake Levee Systems. A FEMA letter of continued accreditation is anticipated within the next thirty days.

In the Lower Wood River and the Wood River East & West Forks additional requested updated modeling has been submitted to the Illinois State Water Survey (ISWS), with an additional review now required by the Illinois Department of Natural Resources. Issuance of continued letters of accreditation should be forthcoming 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 2020, 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 2020 or 2021.

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. The Council intends to build 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 System 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 2020 budget focuses on the continued design of Authorized Level projects and the construction of Authorized Level Bid Packages #18, #14, #11, and #9.

The recent May/June 100-Year flood event (the second highest event on record at 45.93 ft., and the longest flood event on record at 125 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.

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 "M".

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 2018-2019 towards implementing flood protection improvements at the 100-Year Level of Protection and the 500-Year Level of Protection (also known as the Authorized Level).

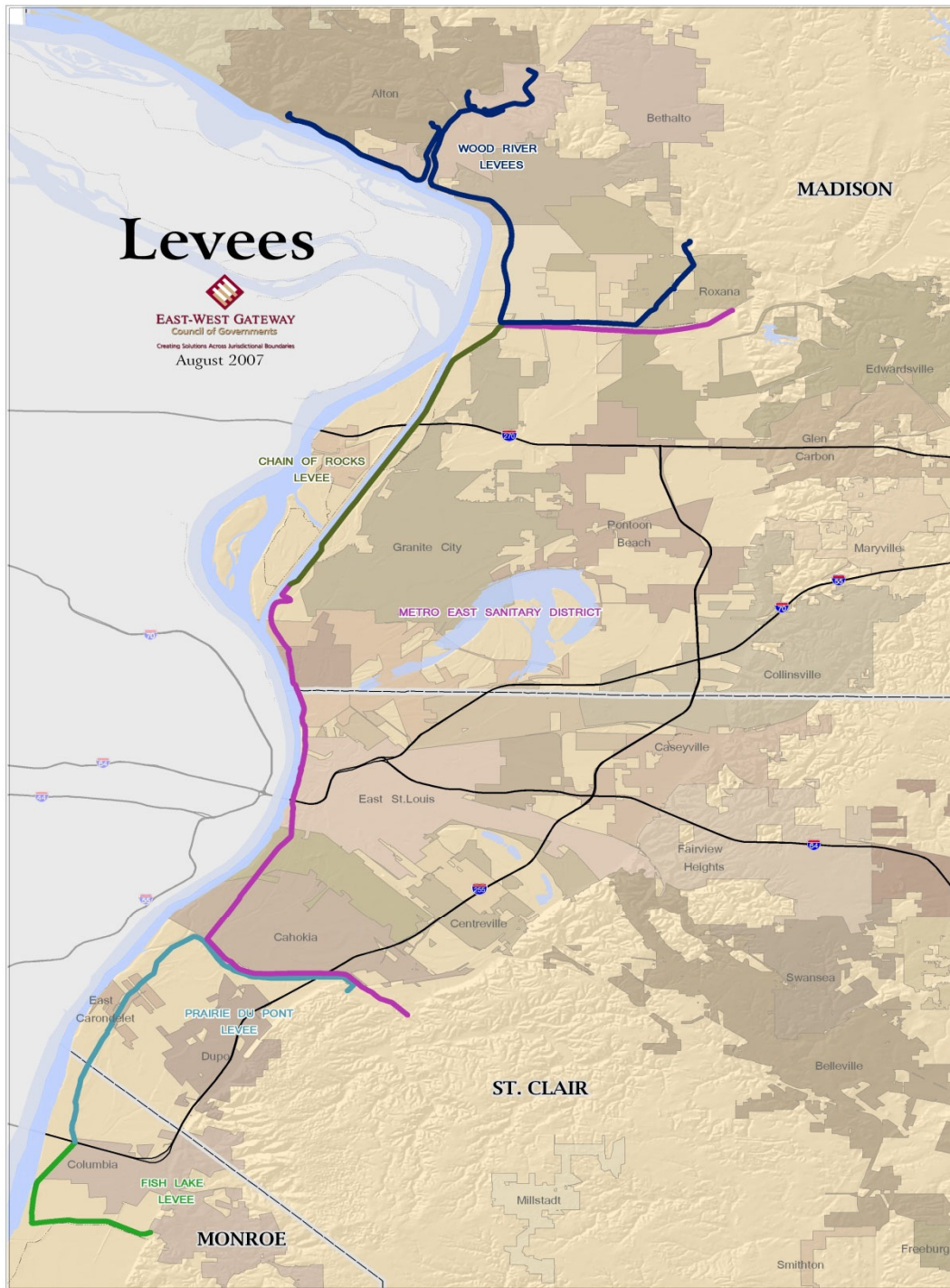
II. Background

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. The construction of the following five (5) levees was authorized in federal law:

- ***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 was 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 currently, produces about \$12.0 million annually.

III. FPD Council Activities

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

Over the last few of 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 delays in the design process, but most of that is now behind us. The focus has always been completing 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 project 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 project
- 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
- Started designing 500-Year Authorized Level Protection Projects in Madison, Monroe, and St. Clair Counties.

The Council's general goals have been to:

- assure compliance with FEMA accreditation standards with currently available revenue sources by late 2019 or early 2020 (originally the end of 2015), but extended due to obtainment of easements, several high river stage events, construction alternatives & additions, construction delays, and lengthy reviews); 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.

During the last three years, there have been 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 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 \$16,041,4956 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 have 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.

A sixth significant event occurred early this year, 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 124 days. Three record flood events, in less than three

years, confirm the need for the work the Council is completing for the 100-Year accreditation and ultimately for the 500-Year Authorized Level.

Current design and construction for FY 2020 includes 1) the Corps of Engineers constructing the MESD Deep Cutoff Wall Project, which was identified as the project which should be built first by the Risk Informed Design Process 2) Wood taking the Corps' design of the Cahokia Relief Well Project and the Council constructing MESD Bid Package # 18, 3) Wood completing the design of Wood River Bid Package #8 with the Corps of Engineers constructing, 4) Wood completing the design of MESD Bid Package #14A and the Council constructing, 5) Wood completing the design of MESD Bid Package #11 and the Council constructing 6) Wood completing the design of Wood River Bid Package #9 and the Council constructing and 7) 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 V 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 2020. 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

2011

March – Progress Drawings Submitted

May – 30% Design Drawings Submitted

Figure 2
Project Timeline

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

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

Figure 2

Project Timeline

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

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

2020

FEMA Accreditation Achieved FY 2020

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, 2018, 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 has reached new highs the last five years. The amount collected in 2018 was \$12,348,606. (See Figure 3).

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. The Council will meet its goal of achieving FEMA certification in 2020 utilizing only the revenues available from the dedicated FPD sales tax.

Figure 3
Flood Prevention District Sales Tax Trends 2009-2012-2016-2017-2018

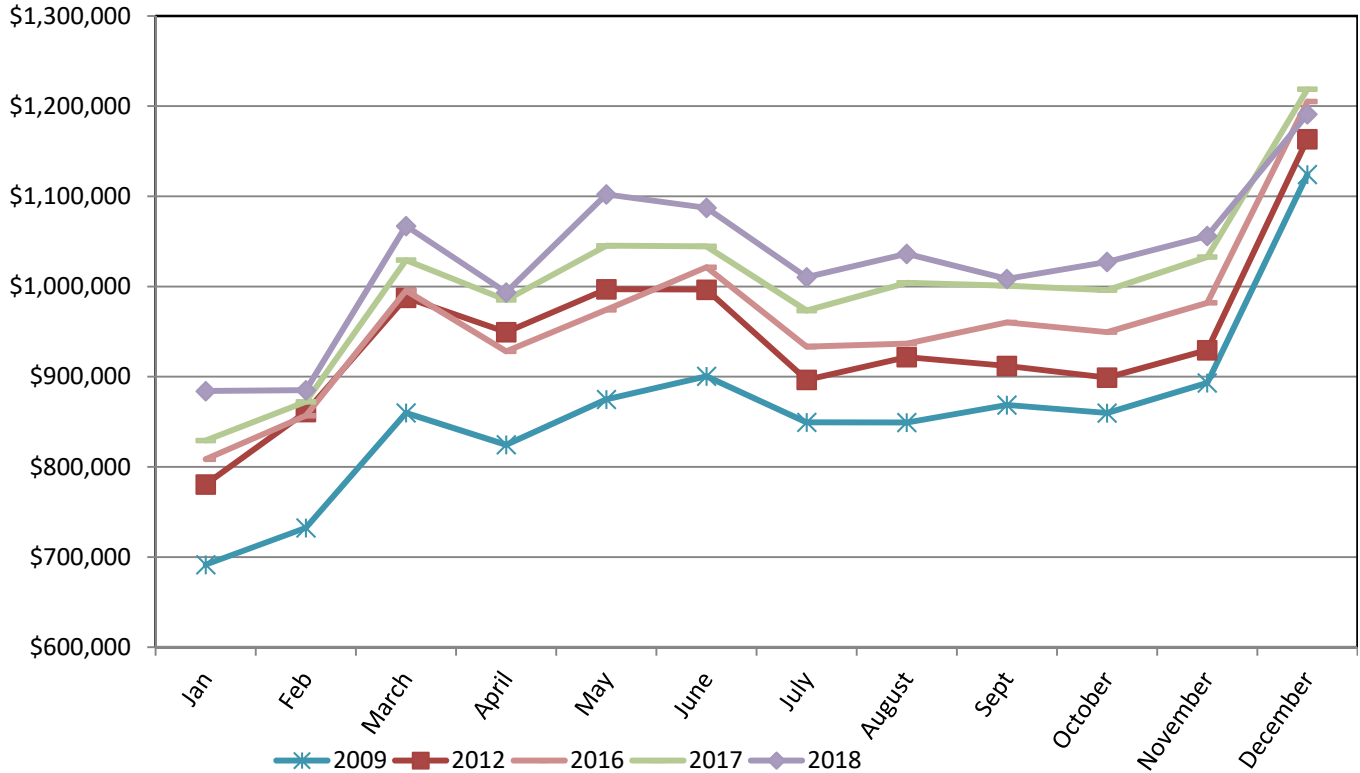


Table 1

**SOUTHWESTERN ILLINOIS FLOOD PREVENTION DISTRICT COUNCIL
STATEMENT OF REVENUES, EXPENDITURES, AND
CHANGES IN FUND BALANCES - GOVERNMENTAL FUND
FOR THE YEAR ENDED SEPTEMBER 30, 2018**

REVENUES:	
District Sales Tax	\$ 12,312,372
Less: Return of Excess Sales Tax to Districts	(1,531,889)
Interest Income	<u>688,402</u>
Total Revenues	\$ <u>11,468,855</u>
EXPENDITURES:	
Current:	
General and Administrative	\$ 253,358
Design and Construction	2,940,517
Professional Services	176,159
Debt Service:	
Principal	3,300,000
Interest	7,498,652
Less: Federal Interest Subsidy	(850,071)
Capital Outlay	1,409
Total Expenditures	\$ <u>13,320,024</u>
NET CHANGE IN FUND BALANCE	\$ (1,851,139)
FUND BALANCE:	
Beginning of Year	<u>\$ 55,740,052</u>
End of Year	<u>\$ 53,888,913</u>

Table 2 provides project expenditures for design, construction management, and construction proposed in FY 2020.

Table 3 compares the Estimated Authorized Level Funding Needed for FY 2020 thru FY 2022 to the Estimated Available Authorized Level Funding FY 2020 thru FY 2022, indicating an anticipated funding shortage slightly over \$25 million dollars. Possible bond refunding and or the issuance of a third bond issue could cover this shortage.

Table 2
Estimated Project Expenditures 10.1.2019 -9.30.2020

Design & Construction Management	FY 2020
Engineering Design	
<i>W. O. #1 Program Mgmt.</i>	\$150,000
<i>W. O. #3 Preconstruction Activities</i>	\$0
<i>W. O. #3 Flood Activities</i>	\$60,000
 Authorized Level Work Orders	
<i>W.O. #11 FEMA</i>	\$5,498
<i>W.O. #13 Wood River Field & Design BP #8, BP #9, & BP #10</i>	\$400,000
<i>W.O. #14 MESD Field & Design</i>	\$800,000
<i>W.O. #16 Prairie Du Pont/Fish Lake Field & Design</i>	\$1,700,000
<i>W.O. #17 Life-Cycle Cost FEMA Improvements</i>	\$5,000
<i>W.O. #18 MESD Deep Cutoff Wall Utility/Easement Assistance</i>	\$123,905
<i>W.O. #19 Wood River LERRD's</i>	\$75,629
 Construction Management.	
<i>W. O. #? Construction Management BP #14, BP #15/16/17 & BP#18</i>	\$1,930,000
TOTAL ENGINEERING DESIGN & CONSTRUCTION MGMT.	\$5,250,032
 Construction	
<i>Bid Package #9 - Wood River Partial</i>	\$1,200,000
<i>Bid Package #11 - MESD</i>	\$3,700,000
<i>Bid Package #14 - MESD</i>	\$1,300,000
<i>Bid Package #18 - MESD</i>	\$8,500,000
<i>Contingency (10% FPD Construction)</i>	\$1,470,000
<i>Utilities</i>	\$600,000
<i>Property Acquisition Authorized Level - Wood River</i>	\$250,000
<i>Property Acquisition Authorized Level - East St. Louis</i>	\$500,000
<i>Property Acquisition Authorized Level - Prairie Du Pont/Fish Lake</i>	\$250,000
<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>	\$2,772,851
TOTAL CONSTRUCTION	\$22,942,851
 TOTAL ENGINEERING DESIGN & CONSTRUCTION	 \$28,192,883
 REFUND OF SURPLUS FUNDS TO COUNTY FPD ACCOUNTS	 \$ 2,000,000

Operations & Financing	
<i>General & Administrative</i>	\$300,000
<i>Debt Service</i>	\$10,949,970
<i>Interest Rate Subsidy</i>	(\$853,711)
<i>Professional Services</i>	
<i>Legal</i>	\$297,500
<i>Legislative</i>	\$0
<i>Financial Advisor</i>	\$65,000
<i>Bond Trustee</i>	\$12,000
TOTAL OPERATIONS	\$10,770,759
TOTAL EXPENSES	\$40,963,642

Table 3

Estimated Authorized Level Funding Needed FY 2020 to FY2022

<i>Bid Package #18- MESD</i>	\$8,500,000
<i>Bid Package #14- MESD</i>	\$4,200,000
<i>Bid Package #9 - WOOD RIVER</i>	\$2,000,000
<i>Bid Package #11- MESD</i>	\$10,000,000
<i>Bid Package #12 - MESD</i>	\$4,300,000
<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>	\$9,360,000
<i>Engineering Design & Construction Management</i>	\$12,979,919
<i>Construction Contingencies, Utilities, Property Acquisitions, Etc.</i>	\$18,080,351
<i>General & Administrative and Professional Services</i>	\$2,113,500
AUTHORIZED LEVEL FUNDING NEEDED	\$94,633,770

Estimated Available Authorized Level Funding FY2020 to FY2022

<i>Cash (9/30/2019)</i>	\$1,410,153
<i>2015 Bond Project Funds (9/30/2019)</i>	\$28,589,847
<i>County FPD Tax Funds (9/30/2019)</i>	\$33,364,420
<i>Additional Sales Tax Revenue After Debt Service</i>	\$5,526,716
<i>Interest</i>	\$625,000
AVAILABLE AUTHORIZED LEVEL FUNDING	\$69,516,136

CURRENT ESTIMATED SHORTAGE **\$25,117,634**

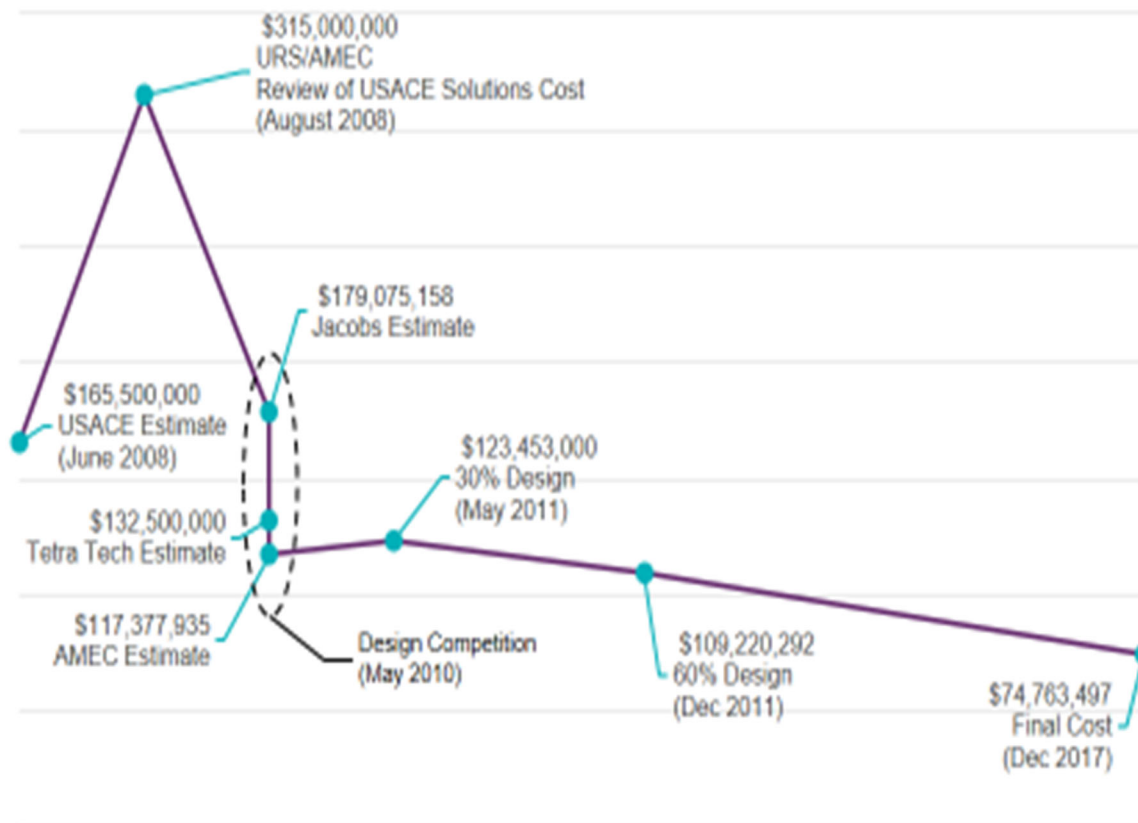
V. FEMA Certification Construction Costs

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



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 14,000-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. Wood will complete the design in Fall 2019 and provide it to the Corps to construct.

Estimated Construction Cost \$ 5,600,000.

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; however, this Corps of Engineers is now planning to design and construct the work in this reach.

Bid Package 9 is now planned to be a relief well abandonment package. The detailed scope and total number of relief wells to be abandoned has not yet been finalized, but it will include abandonment of all wood stave relief wells throughout Upper and Lower Wood River (there are no relief wells along the East/West Fork Levees). Abandonment of wood stave relief wells cannot occur until new relief wells are installed as replacements.

Estimated Construction Cost \$ TBD

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; however, this package is no longer anticipated to be designed or constructed by the FPD Council since it is anticipated that we will have already met our 35% non-federal sponsor local cost share. As a result, the improvements throughout this reach will be designed and constructed by USACE.

Estimated Construction Cost \$ N/A

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 56 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 \$ 9,500,000.

Bid Package 12/13 – Formerly this package spanned the MESD Levee from station 1014+00 to 1482+00 and included the design and construction of 103 relief wells, conveyance systems, and a pump station. However, that work will now be designed and constructed by USACE. Bid Package 12 is now planned to include pump station improvements and/or replacements at the Phillips Reach #2 (Site 09) and the Levin Drive (Site 10) pump stations to accommodate increased relief well flow at the authorized level flood event. This package is in the very early planning stage and the extent of the improvements has not yet been determined...

Estimated Construction Cost \$ N/A

Bid Package 14 – This package has been split into two packages: Bid Package 14A and 14B.

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. It will be advertised for bid Fall 2019.

Estimated Construction Cost \$ 1,300,000

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 18 – Is the Cahokia Relief Well Project, which spans the MESD Levee from station 1207+00 to 1352+00 (the span is known as the “elbow”), and includes the design and construction of 51 relief wells and modification to the Cahokia Pump Station. This project was originally designed by the Corps, but is being reviewed, modified as needed (with appropriate USACE approvals), and sealed by Wood for the Council to advertise for bid late 2018.

Estimated Construction Cost \$ 9,700,000

The Corps of Engineers is utilizing a Risk Informed Design Process to determine which projects (based on vulnerability and effect) should be completed first, to achieve the most effective use of available funds. At this time, the MESD Deep Cutoff Wall, Bid Package #14 and the Cahokia Relief Well (BP #18) Projects have been identified as the projects to be built first.

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 2020. 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 \$ 21,358,000.

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 2020. 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 \$ 8,689,000

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 2020. 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 \$ 11,706,000

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

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 will be submitting the same for the 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 early 2020

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 anticipated in the near future.

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 early 2020

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 2020

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. The reviews are lengthy, with an approval process that can take over two years.

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 2020 or 2021.

VIII. 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. Anticipated completion date is summer of 2020.

If a funding alternative allowing federal funding in conjunction with non-federal funding is not determined, the Council will pay all project costs in the Prairie DuPont/Fish lake Levee Systems.

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, will allow the projects to be completed two years earlier and provide additional flood protection to the Metro-East area sooner. The first Authorized Level Projects are scheduled to be awarded in November, less than six months after the execution of the Project Partnership Agreements.

The Council, where needed, will satisfy the Corps' five percent cash requirement by providing the Corps funds for the oversight of the design and construction of authorized projects being built by the Council.

IX. Conclusions, Issues and Next Steps

Much progress has been made in the ten 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 last year 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 2020
- Continue to work with levee districts to establish sufficient funding for ongoing maintenance of improvements, FEMA Level Improvements – Life Cycle Costs have been prepared by Wood for each of the Levee Systems
- 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
- Issuance of additional bonds needed 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 2020.

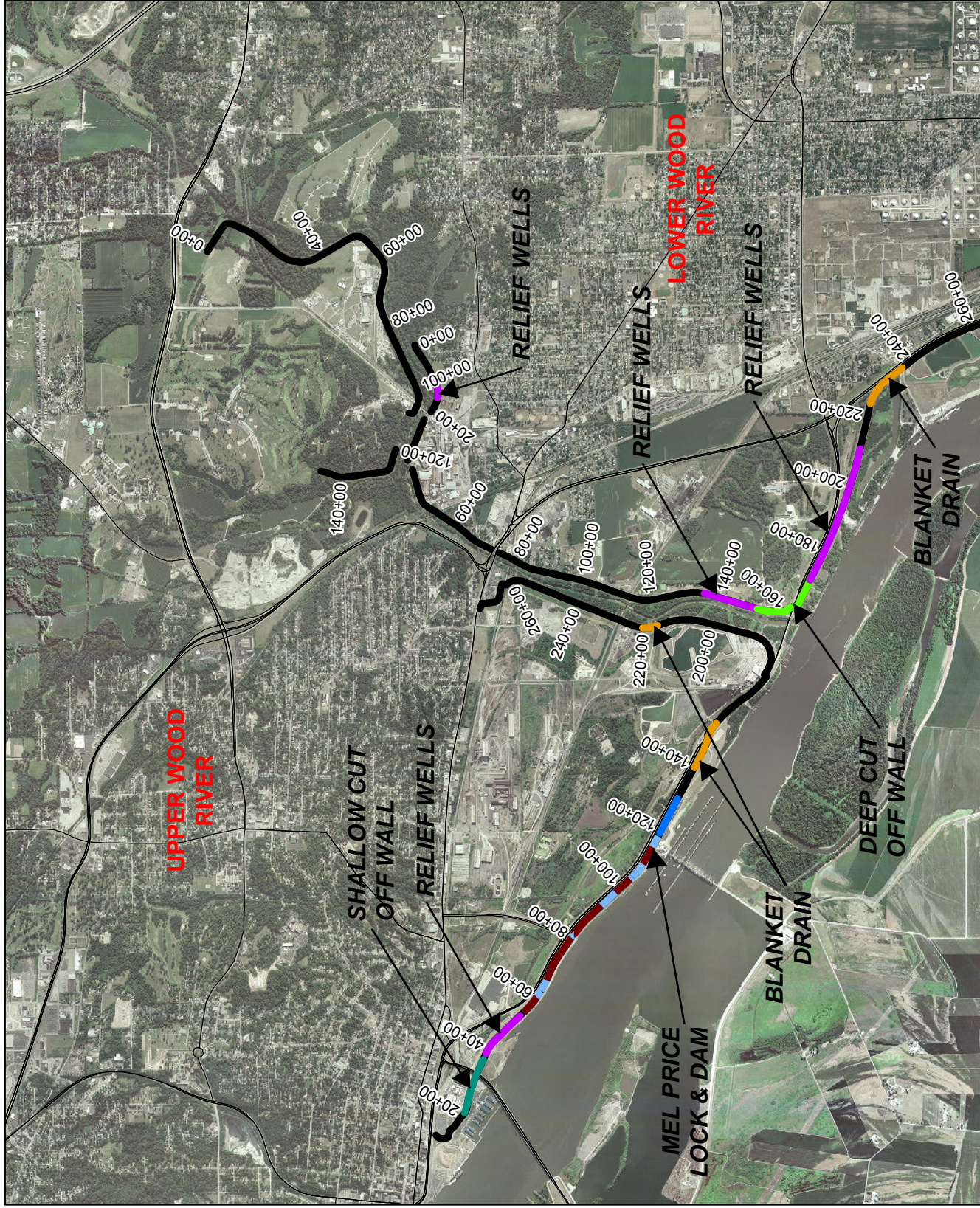
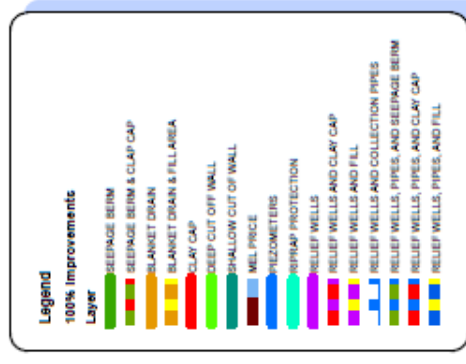
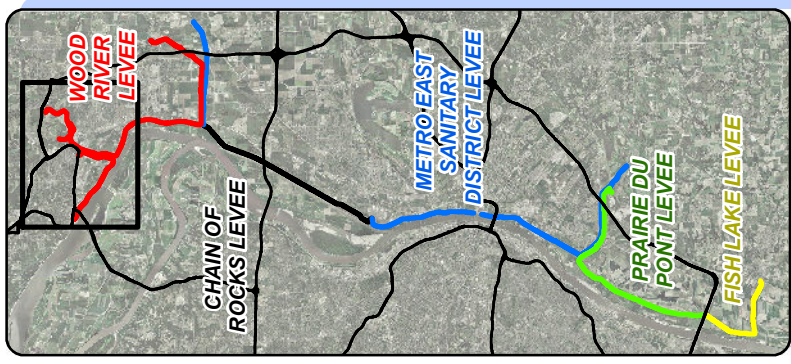
The recent May/June 100-Year flood event (the second highest event on record at 45.93 ft., and the longest flood event on record at 125 days), tested the seventy-five million dollars of flood protection improvements the Council has built. However, all improvements performed as designed and the Metro East American Bottom Levees handled the event much better than ever before.

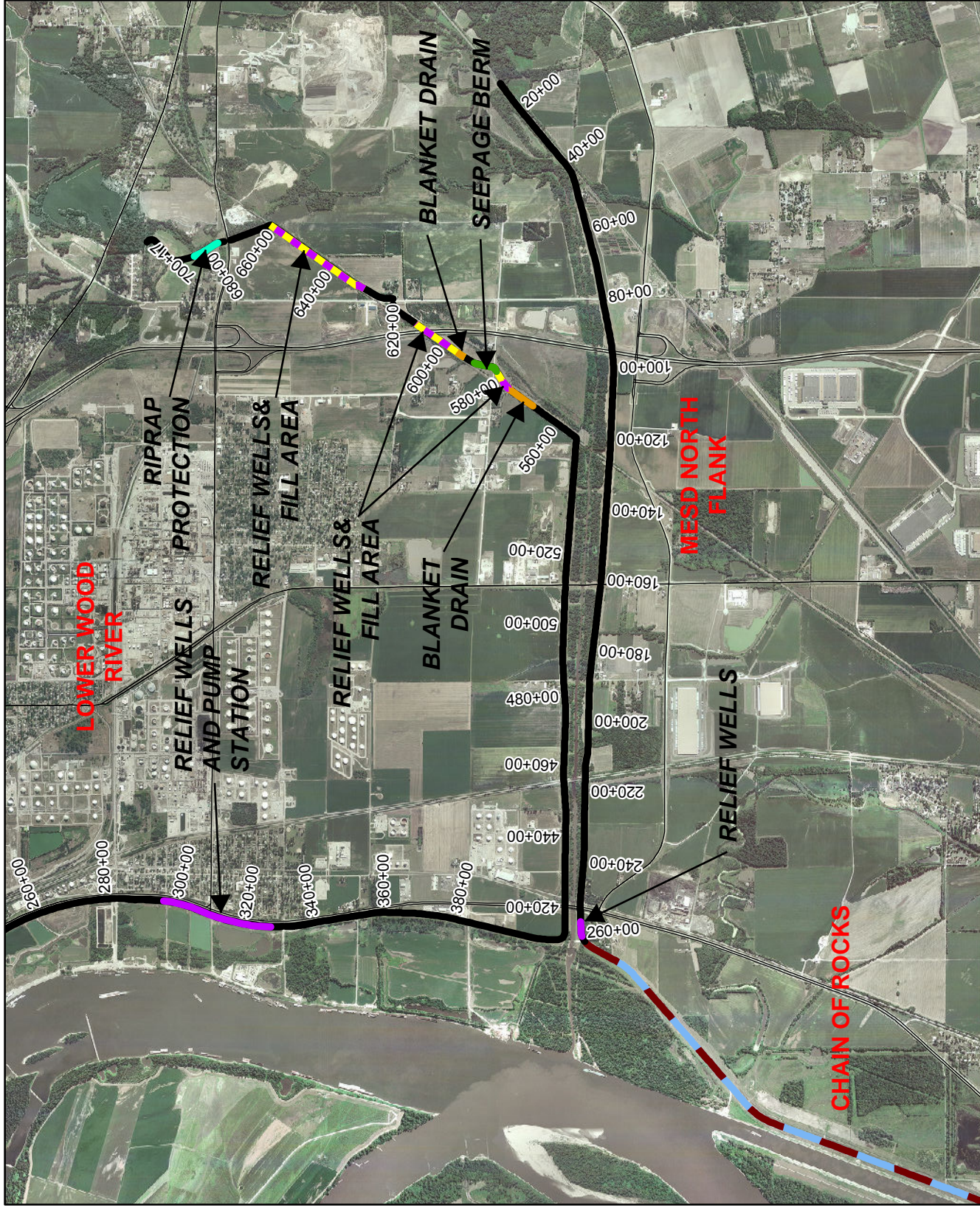
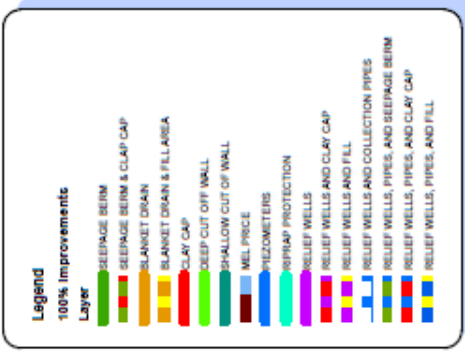
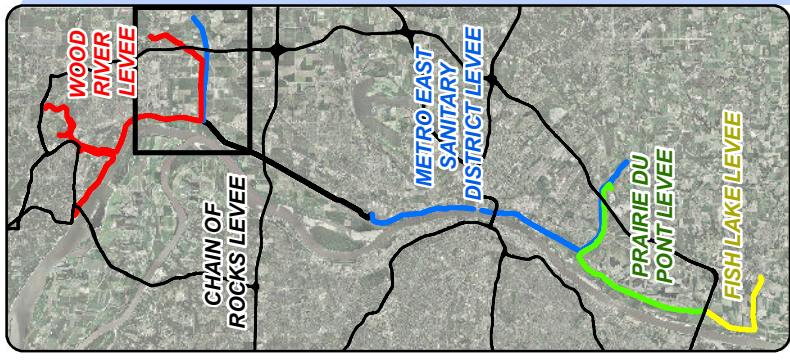
Three record flood events, in the last four years, confirm the need for the work the Council is completing for the 100-Year accreditation and the ultimately for the 500-Year Authorized Level of Protection.

With the Corps of Engineers, receiving FY 2019 Work Plan Funds & FY 2020 Budget Funds and the Council issuing a third bond issue, the Council's ultimate goal of providing Authorized Level of Protection to the Metro-East could be achieved twenty years sooner than original thought.

Appendix I

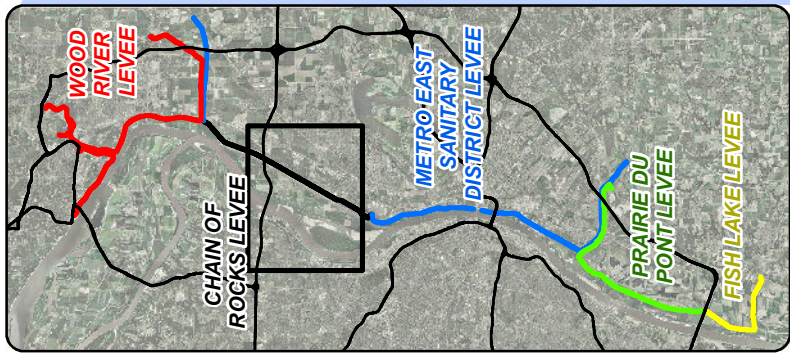
FEMA Certification Levee System Improvements





FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

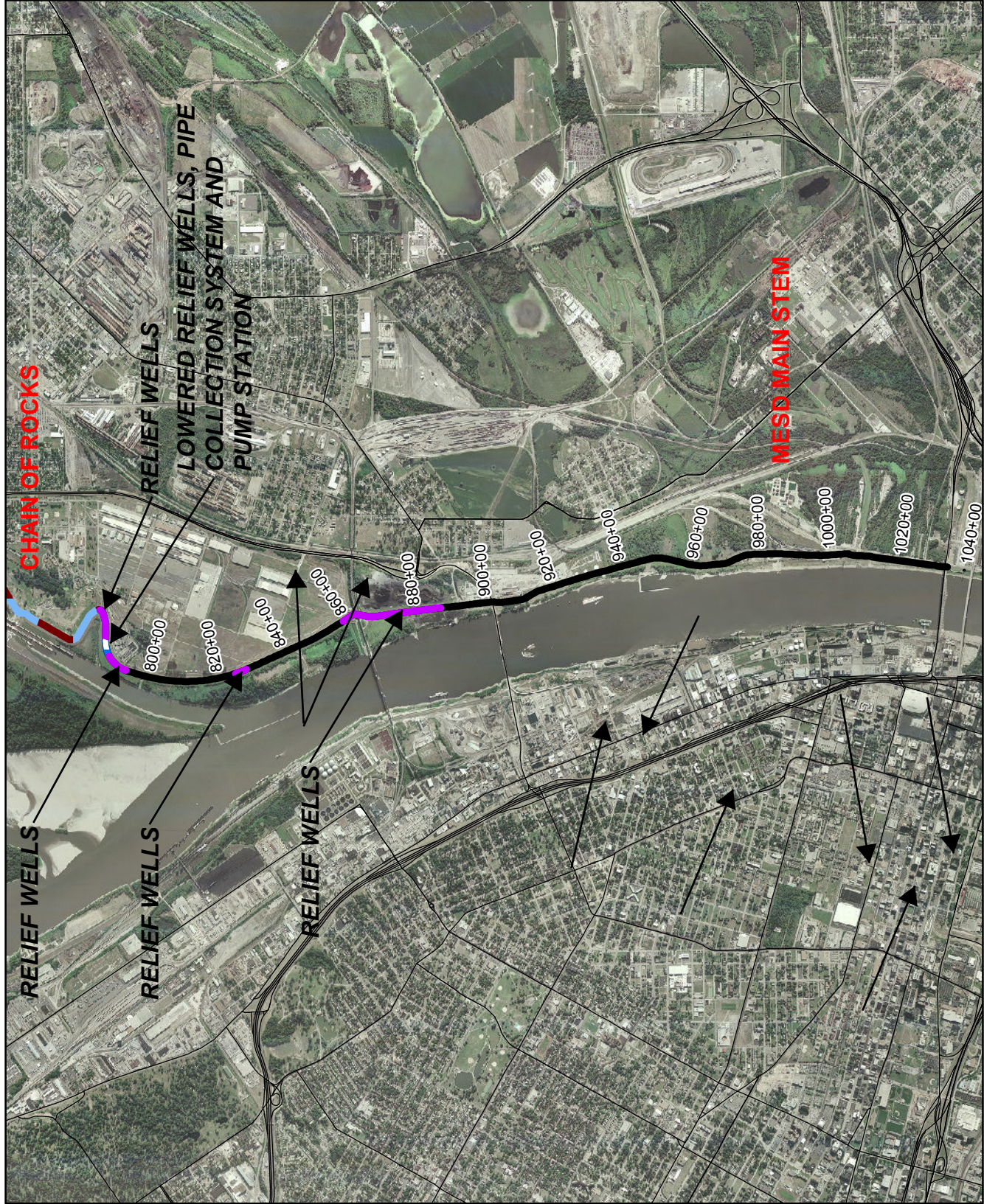
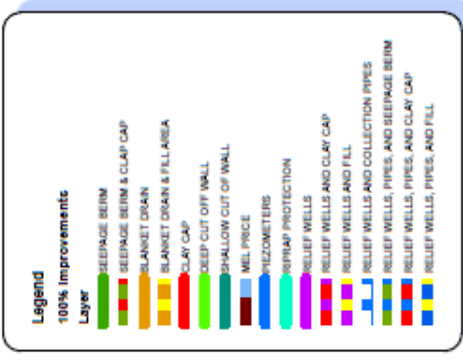
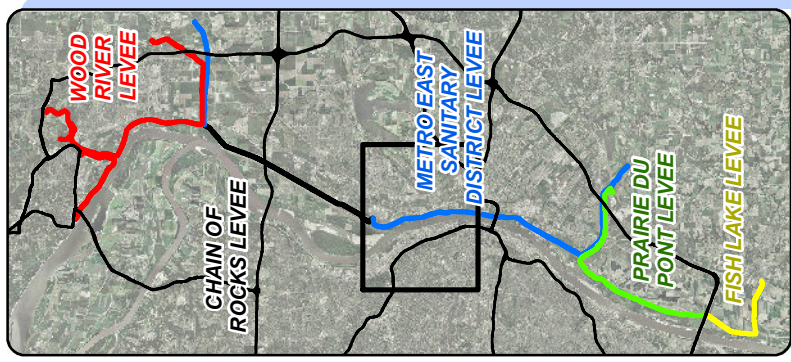
WOOD RIVER (WR) & METRO EAST SANITARY DISTRICT (MESSD) LEVEES

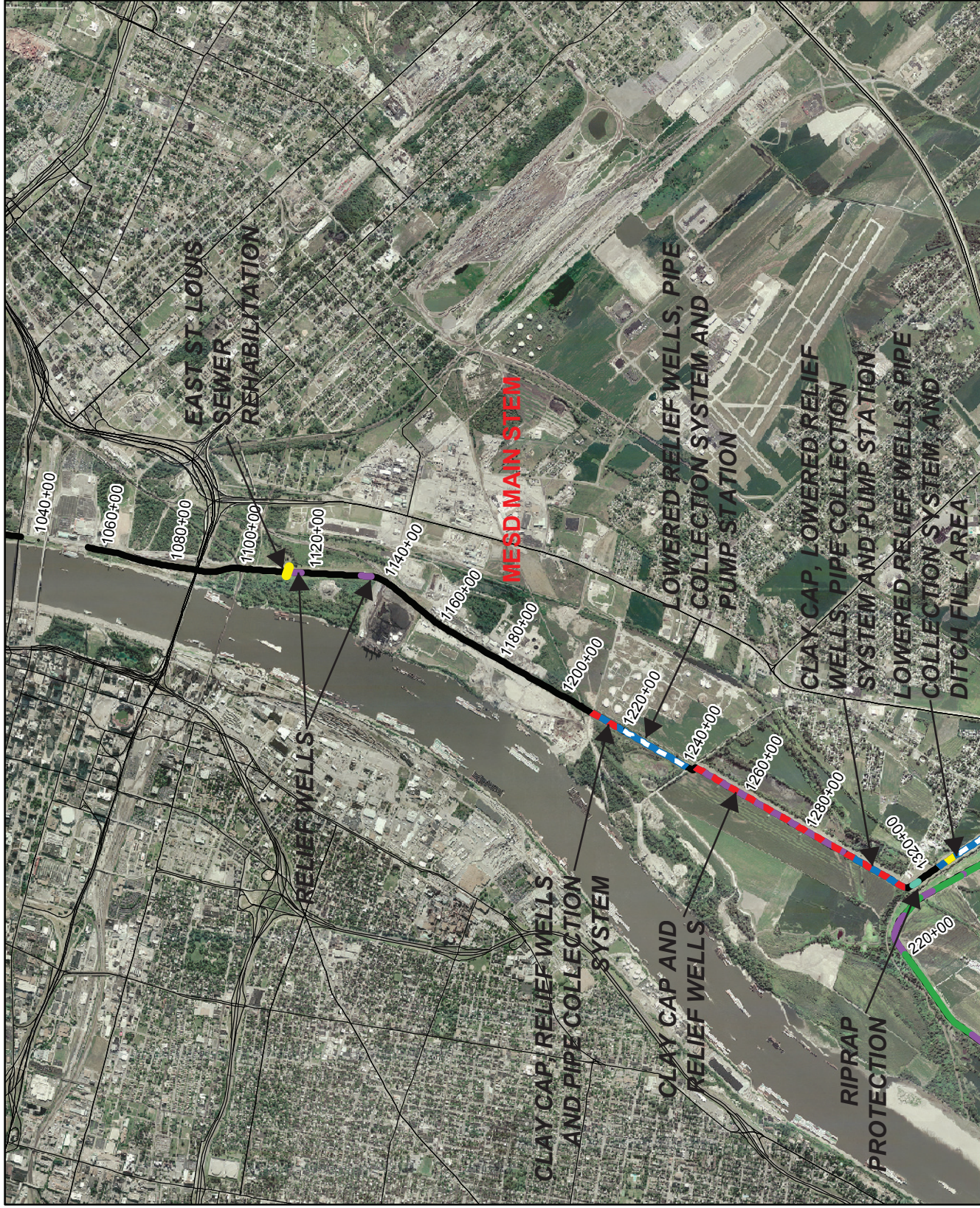
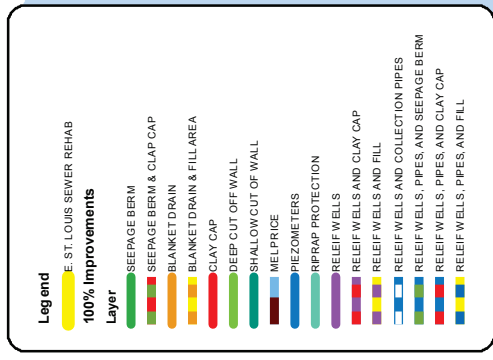
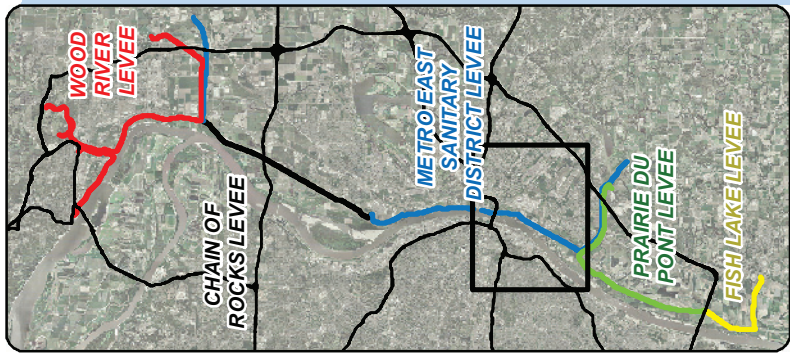


Legend

100% Improvements

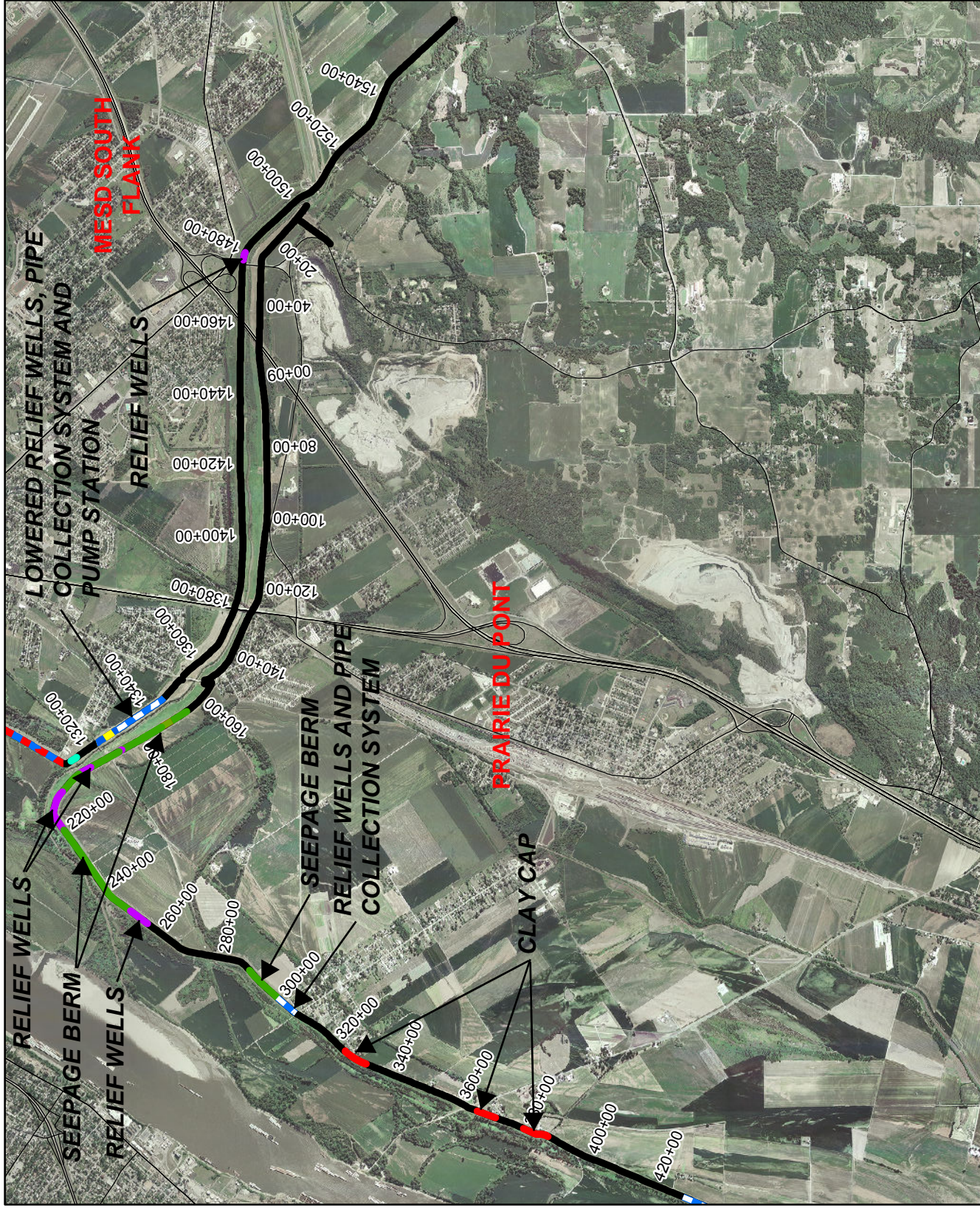
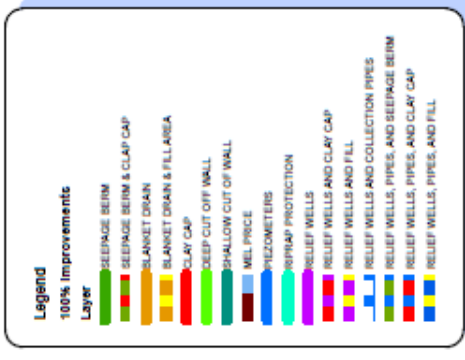
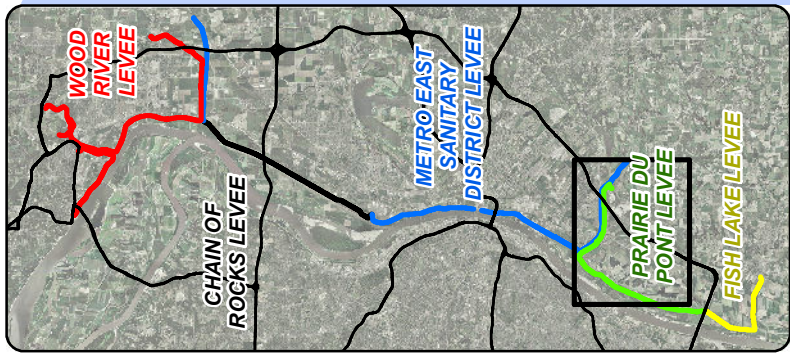
Layer	Improvement Type
Green	SEEPAGE BEHM & CLAY CAP
Yellow	SEEPAGE BEHM
Orange	BLANKET DRAIN
Red	BLANKET DRAIN & FILL AREA
Light Blue	CLAY CAP
Dark Blue	DEEP CUT OFF WALL
Light Green	SHALLOW CUT OFF WALL
Dark Green	WEL PRICE
Light Purple	PIEZOMETERS
Light Cyan	SEEPAGE PROTECTION
Light Magenta	RELIEF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





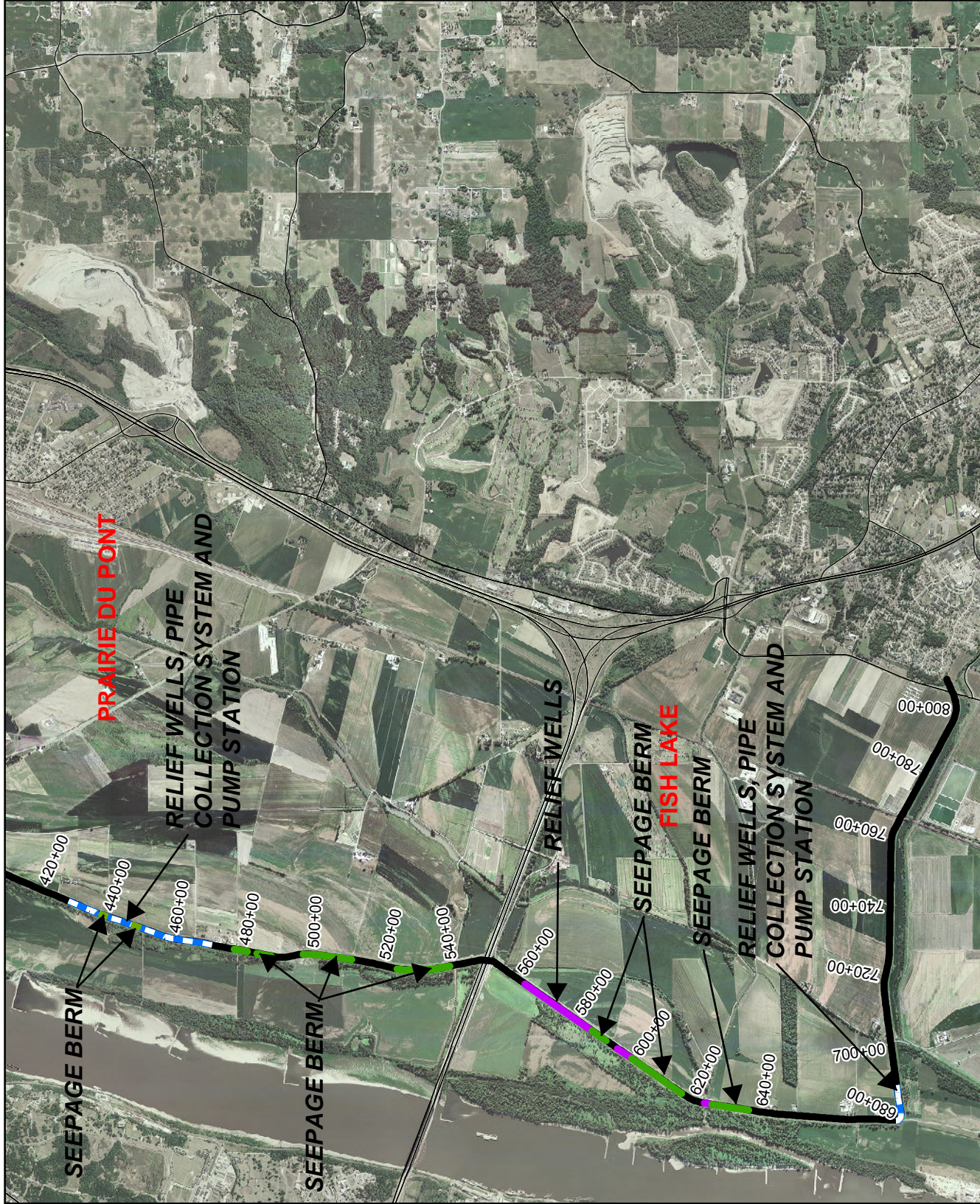
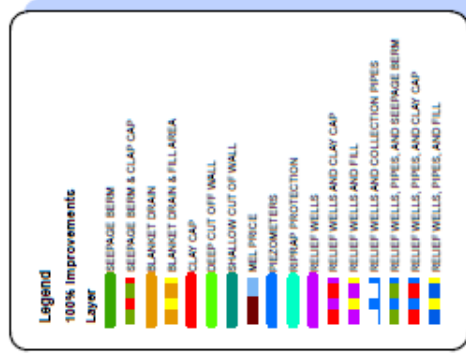
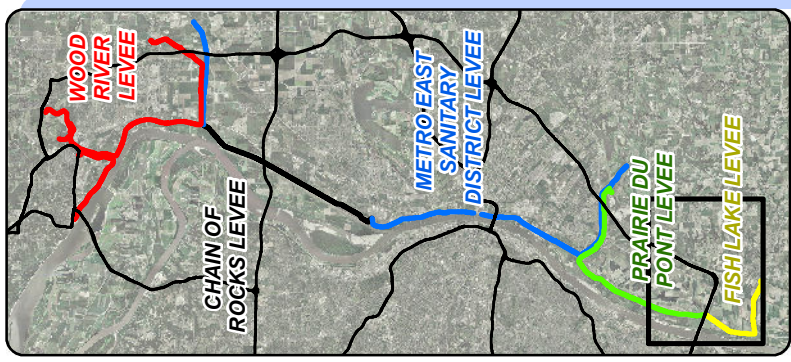
FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

METRO EAST SANITARY DISTRICT (MESD) LEVEE



FEMA CERTIFICATION DESIGN - 100% SOLUTIONS

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



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

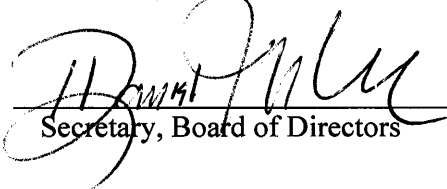
5. *Corps of Engineers Participation.* Notify the Corps of Engineers of the FPD's strategy and request that the Corps expedite projects that are 100% federally funded, such as the emergency design deficiency correction at the Melvin Price Locks and Dam, a project-that was identified as an emergency need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

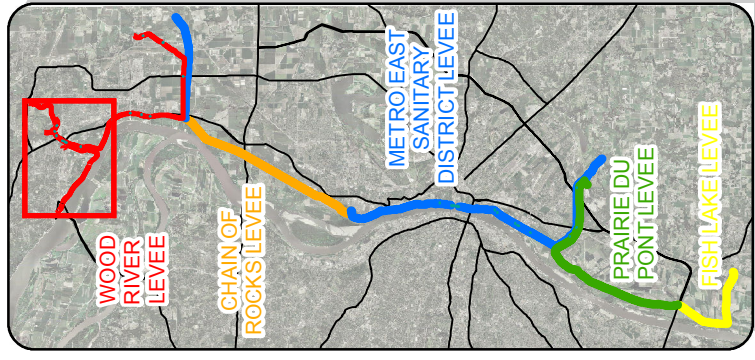
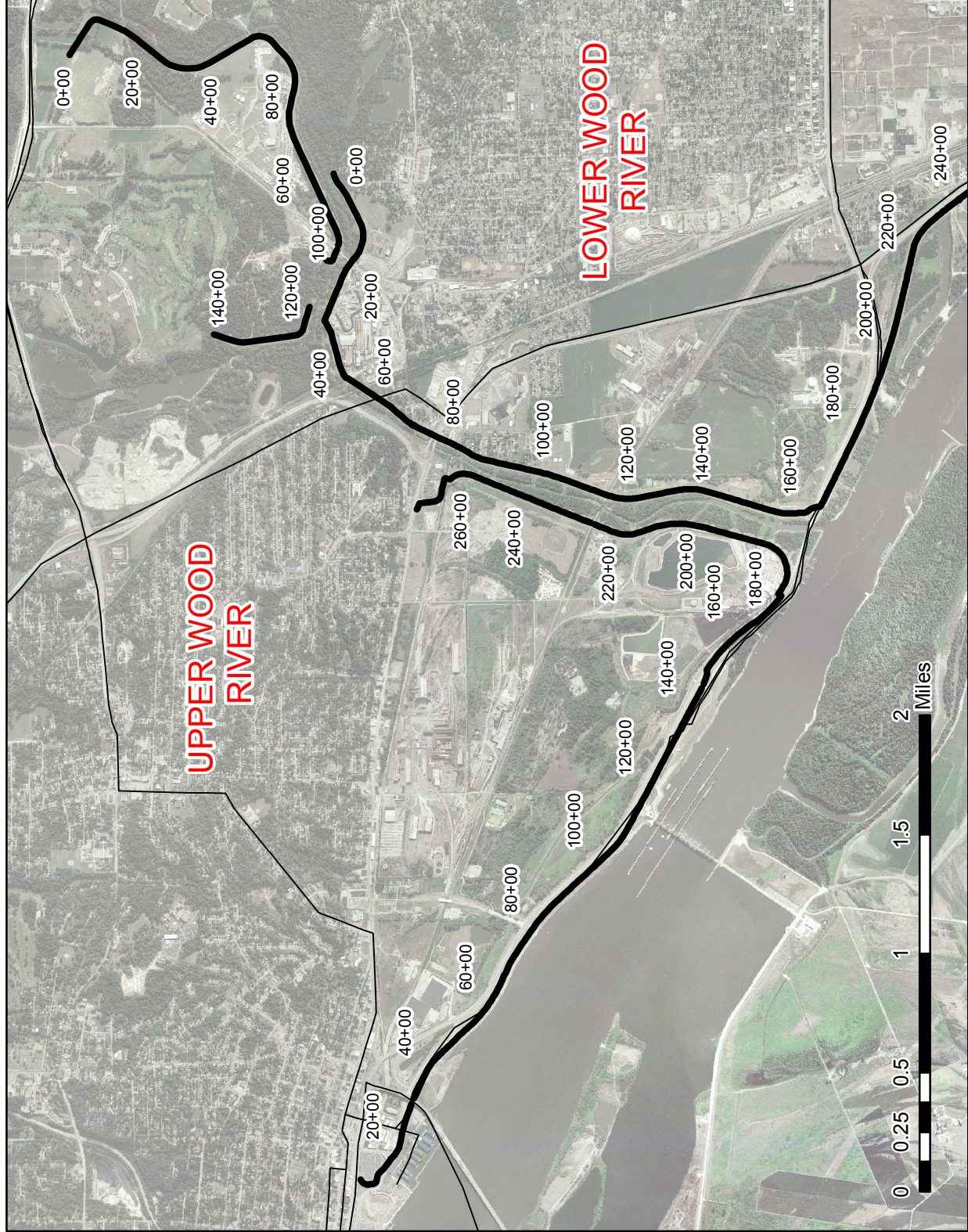
Appendix III

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



Legend

Layer

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

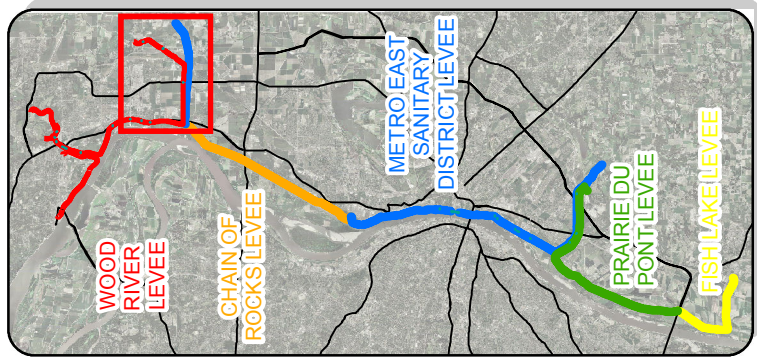
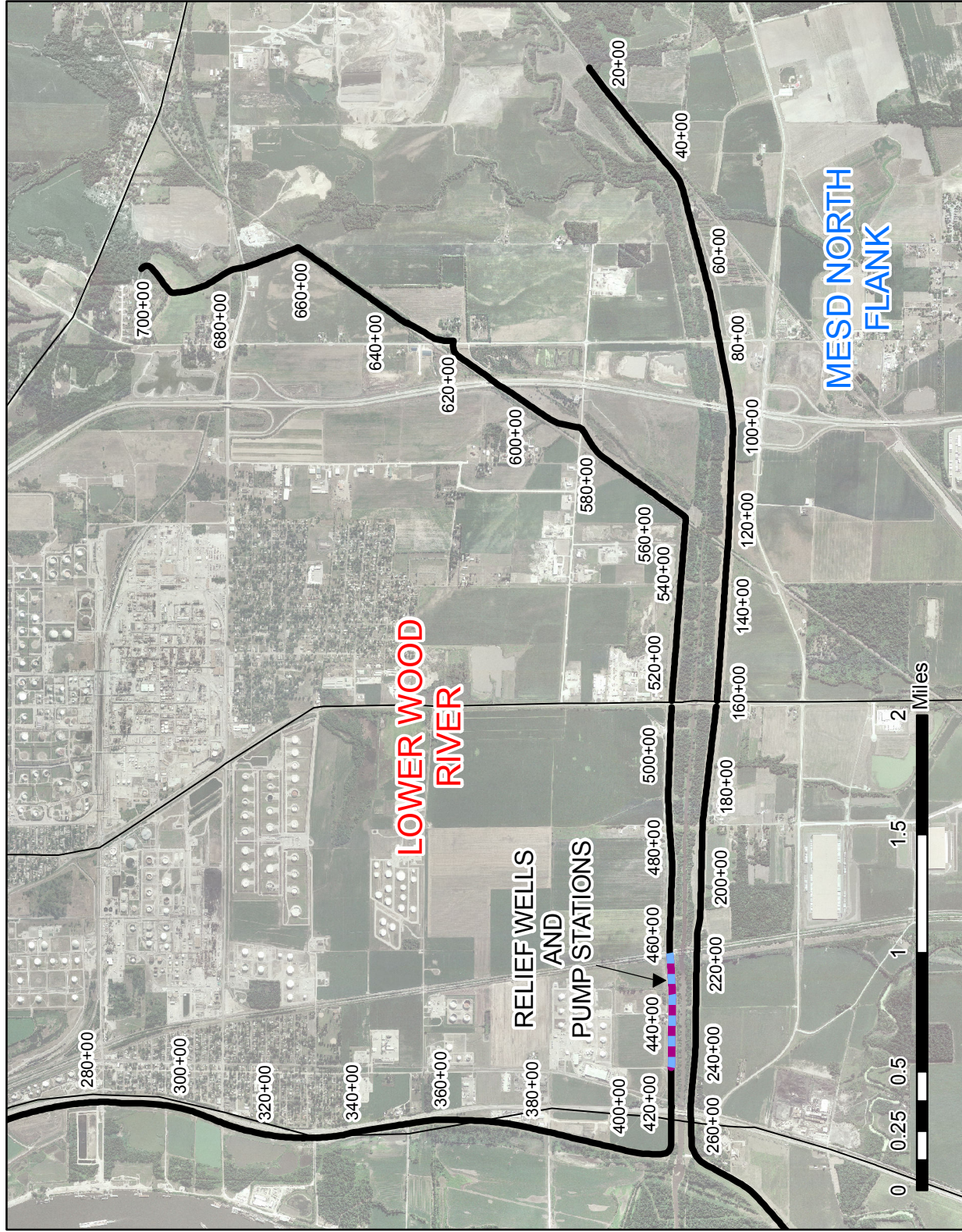


31 JUL 2019

AUTHORIZED LEVEL DESIGN

WOOD RIVER LEVEE

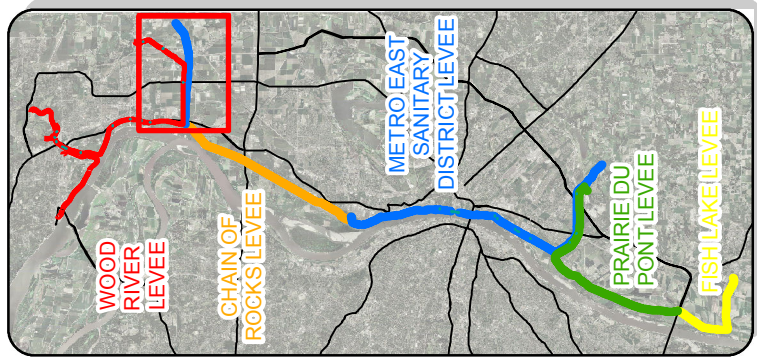
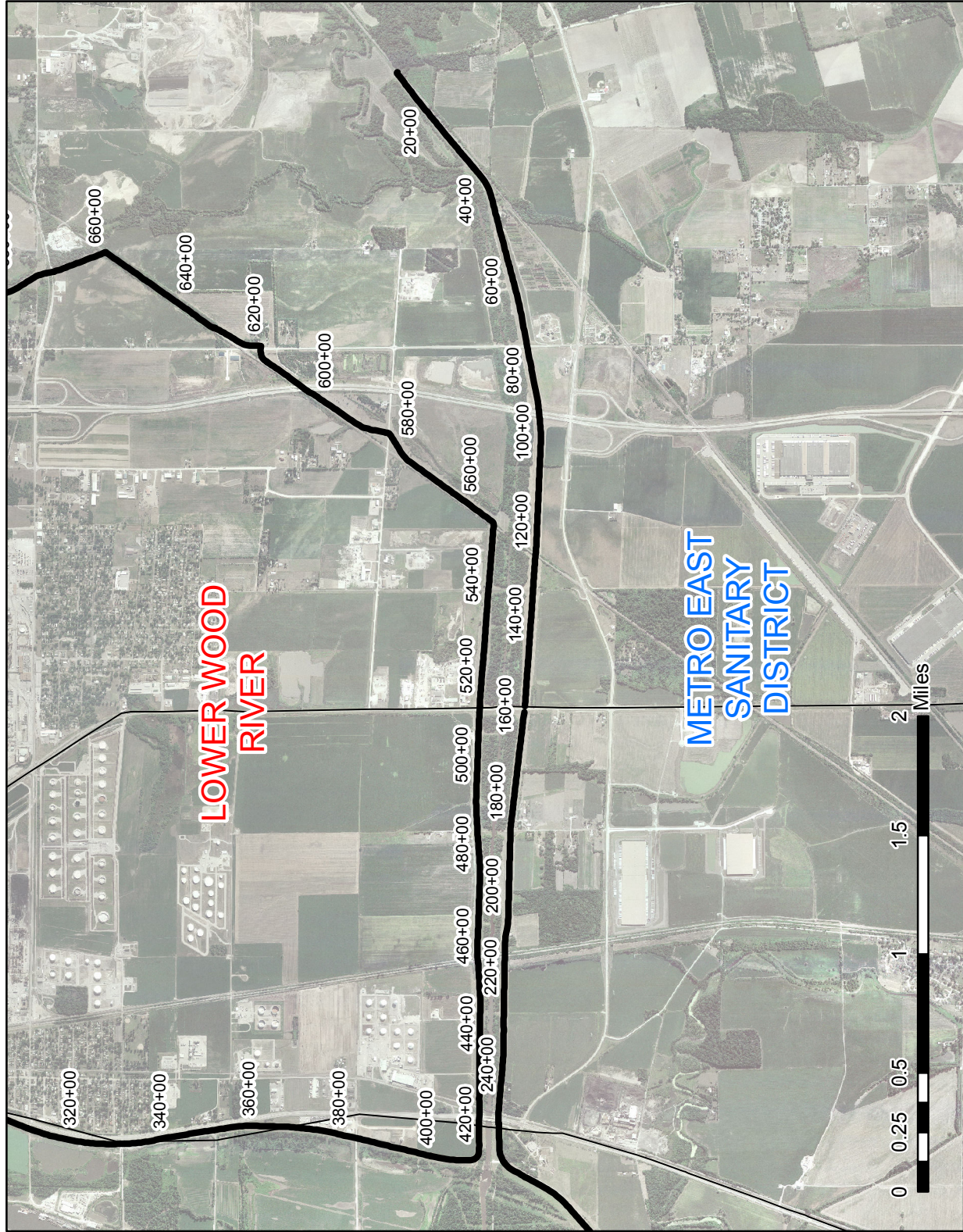




31 JUL 2019

AUTHORIZED LEVEL DESIGN
WOOD RIVER LEVEE





Legend

Layer

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

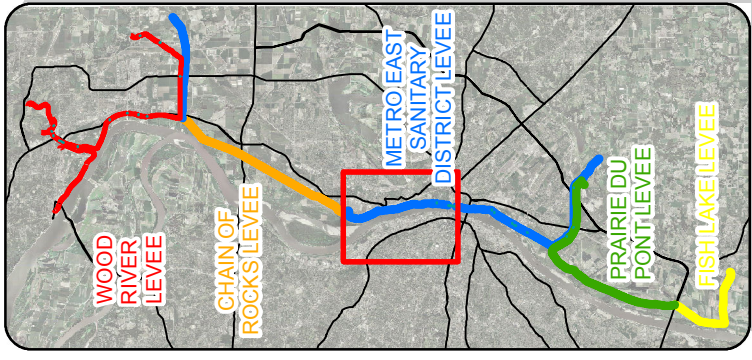
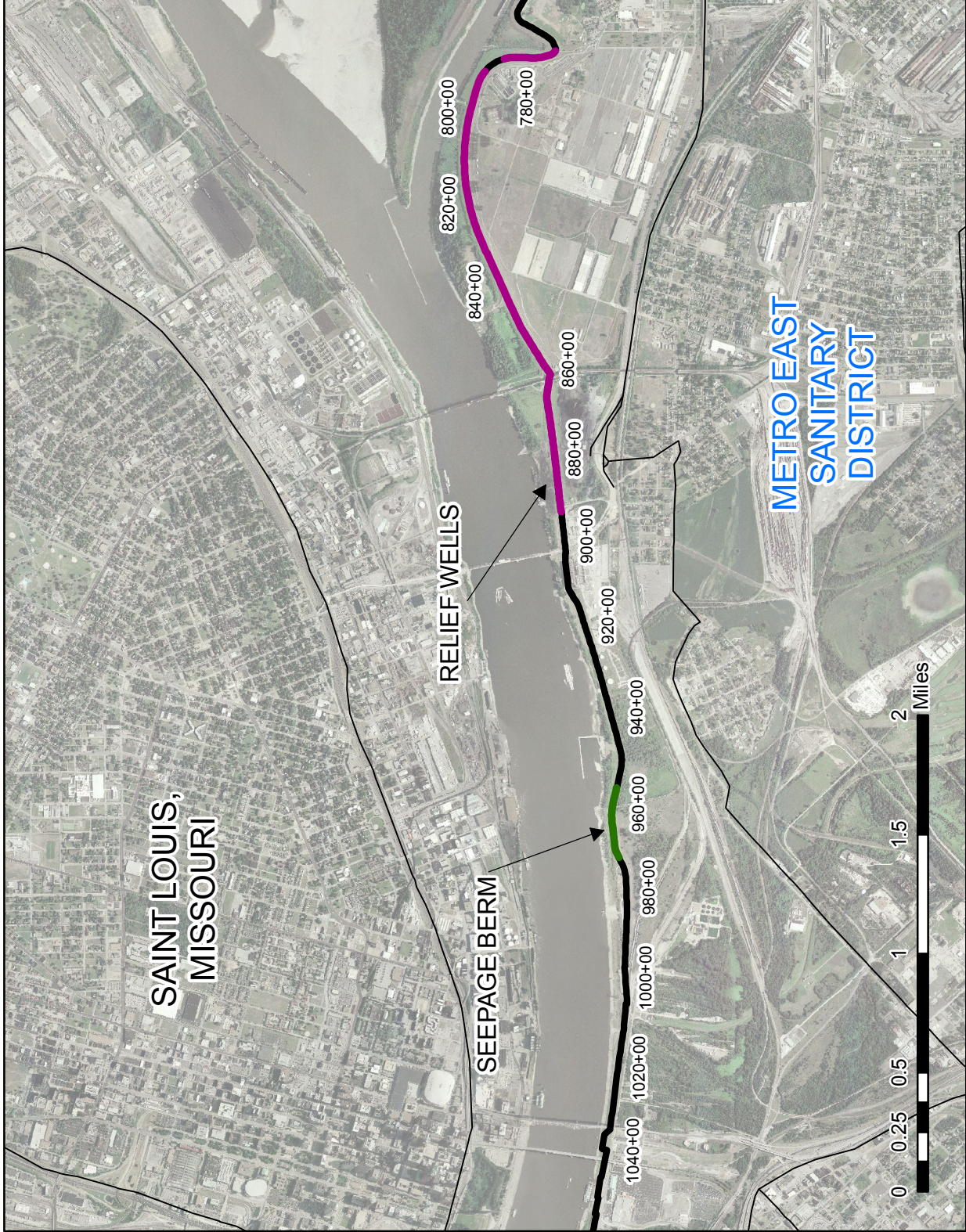


31 JUL 2019

AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE





Legend

Layer

- RELIEF WELLS
- SEEPAGE BERM
- LEVEE CENTERLINE



31 JUL 2019

AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE

AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE

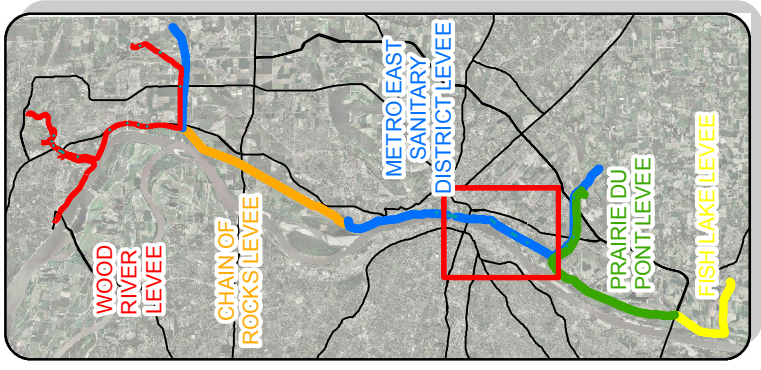
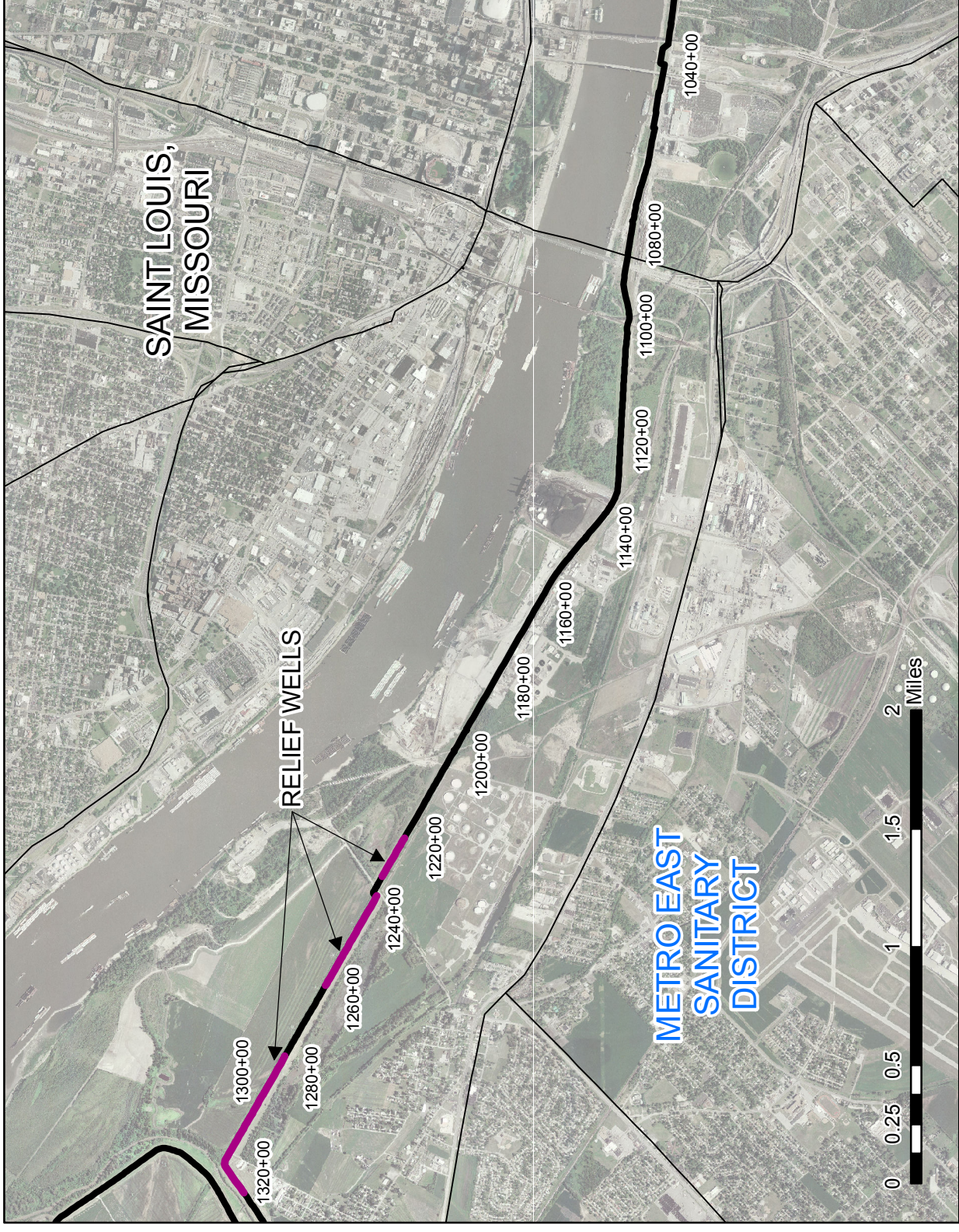
31 JUL 2019



Legend

Layer

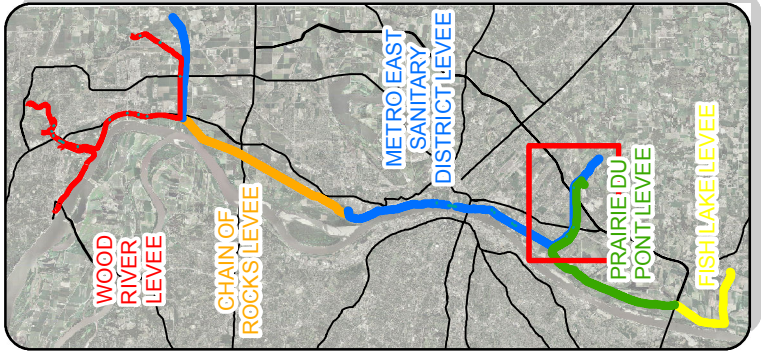
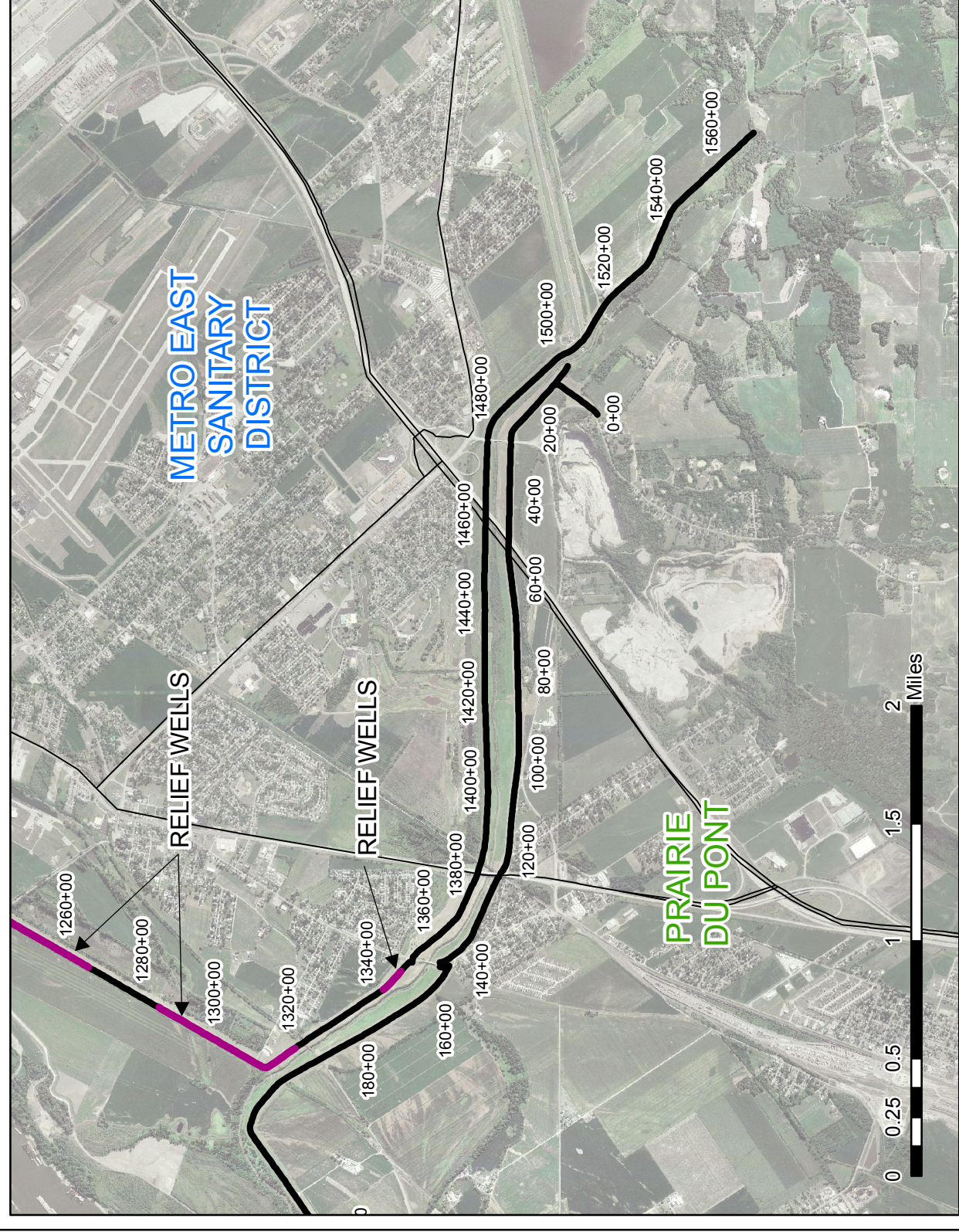
- █ RELIEF WELLS
- █ SEEPAGE BERM
- █ LEVEE CENTERLINE



AUTHORIZED LEVEL DESIGN

METRO EAST SANITARY DISTRICT LEVEE

31 JUL 2019



Legend

Layer	Symbol
RELIEF WELLS	█
SEEPAGE BERM	█
LEVEE CENTERLINE	█



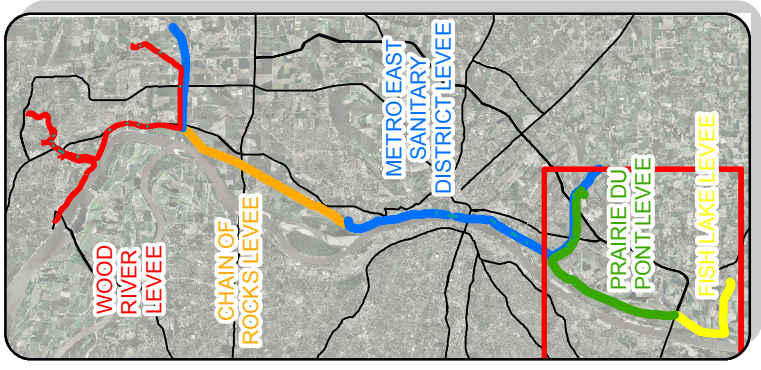
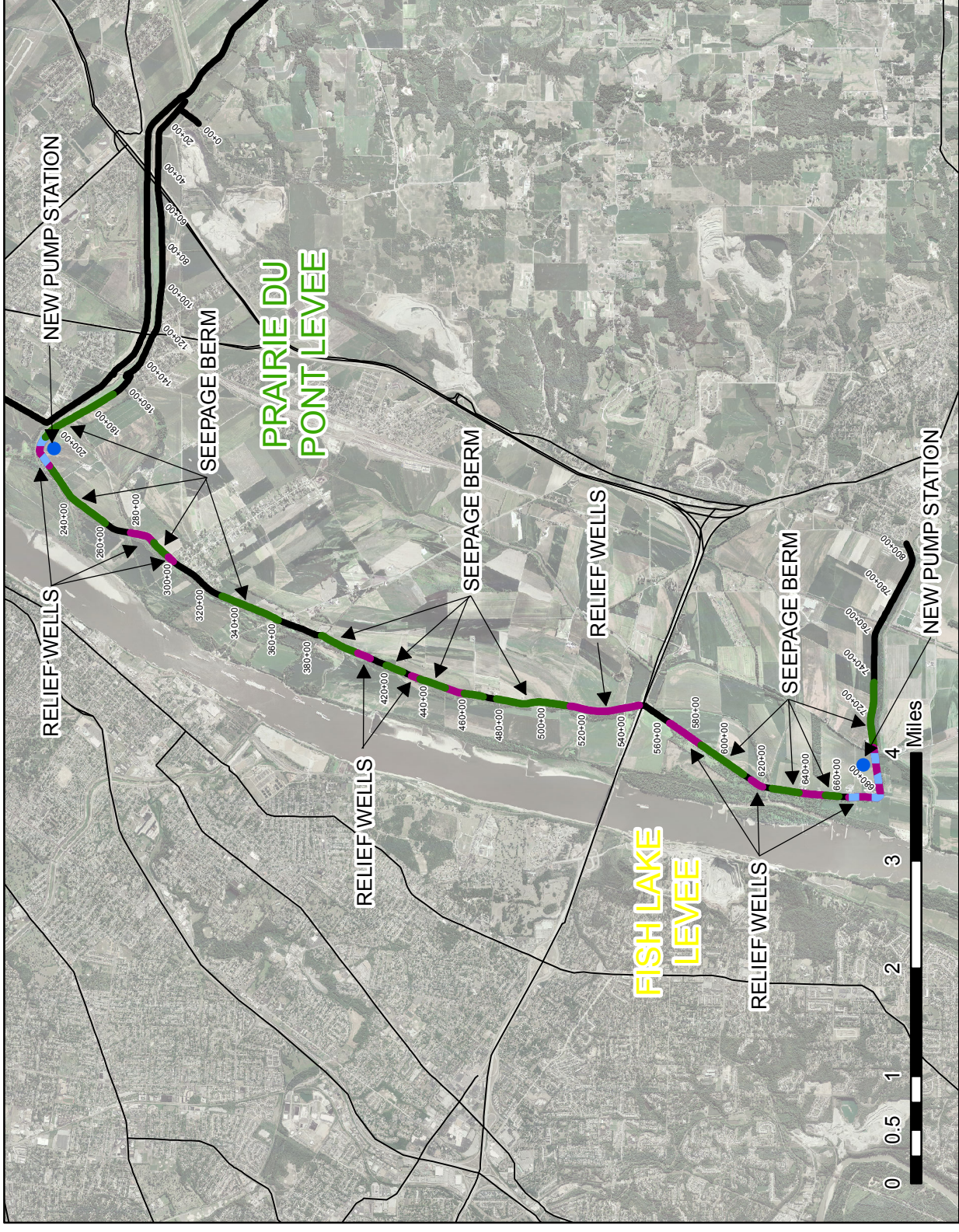
AUTHORIZED LEVEL DESIGN PRAIRIE DU PONT/FISH LAKE LEVEE

31 JUL 2019



Legend

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





Memo to: Board of Directors
From: Chuck Etwert
Subject: Election of Officers for 2019-2020
Date: August 19, 2019

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. All Board members are eligible to serve as officers.

The election of officers will take place on August 21, 2019 at the end of the Council's Board meeting.