



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for February 2020  
Date: February 19, 2020

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

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

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

Wood continues to wait for a response from the Illinois State Water Survey (ISWS) (who is reviewing on behalf of FEMA) and the Illinois Department of Natural Resources (IDNR) Office of Water Resources (OWR) to their submittals of the hydraulic and hydrologic (H&H) modeling updates submitted on November 19, 2019. Earlier this week, Wood suggested a conference call to discuss the updates and aid in the review. After their review and approval of the H&H models, a final submittal will be made to FEMA including all up-to-date documentation.

FEMA's issuance of continued accreditation letters for the Wood River East & West Forks, and Lower Wood River Systems will be dependent on the review of the resubmittal by ISWS and the IDNR-OWR.

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

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

#### Wood River Levee System

Wood has completed the USACE Agency Technical Review (ATR) comments to the 95% design and construction documents Wood submitted on November 12, 2019. Wood is currently

working through the Biddability, Constructability, Operability, Environmental and Sustainability (BCOES) review with USACE. When the BCOES is completed, the project will be ready for bid and construction by the Corps of Engineers.

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

The remaining \$4,256,750 dollars of Work In-Kind credit needed, will be achieved with eligible Wood design and a relief well abandonment package.

### MESD Levee System

The Cahokia Relief Well Project, Bid Package #18 – Underseepage Controls from 1207+00 to 1352+00 is currently in the construction submittal review phase, with construction scheduled to begin in early March.

Bid Package #14A – Underseepage Controls from 861+00 to 863+00 was awarded to Keller Construction on February 14, 2020.

The design of Bid Package #11, which now includes pump station upgrades, is ongoing and is anticipated to be completed in the fall with a bid before the end of the year. The preliminary estimated construction cost is \$10,100,000 dollars.

Wood continues to review relief well flow monitoring data collected during the 2019 flood to determine the pump station needs in the southern elbow of MESD. Those pump station modifications will be part of Bid Package #18A, which will include modifications or replacement of at least one of the underseepage pump stations in Cahokia, Illinois.

The Corp of Engineers awarded the East St. Louis Deep Cutoff Wall Project on November 14, 2019 to Bauer Foundation Corporation, Odessa, Florida for \$32,301,199.18.

### Prairie Du Pont/Fish Lake Levee Systems

The St. Louis District presented the PDP/FL semi-qualitative risk analysis (SQRA), originally scheduled for April, to the Levee Safety Oversight Group (LSOG) on January 28<sup>th</sup>.

The LSOG approved a unanimous LSAC 3 classification (moderate risk), NFIP, and characterized the risk as NOT tolerable with regards to USACE guidance. A decision memo is being prepared for HQ signature.

Utilization of risk characteristics for budget purposes will be an evolving task. Since it will likely take some time before the budgeting process utilizes risk factors versus Benefit Cost Ratios (BCRs) to rank projects for funding, discussions with the Corps regarding the schedule to complete the Authorized Level Improvements in PDP/FL will begin in the coming weeks.

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

The Levee Community Preparedness Presentations with the Levee Issues Alliance and the Corps of Engineers continue to go well with a recent presentation to the Swansea Rotary on February 6<sup>th</sup>.

Lastly, I am attaching the Council's response (less numerous aerial imagery) to the concerns expressed by Mr. Lindhorst and the Prairie Du Pont Levee District at the Council's meeting on January 15, 2020. Both the Corps of Engineers and Wood Environment & Infrastructure Solutions, Inc. determined there is not a concern for levee safety as a result of the presence of the Borrow Pit. These determinations were previously provided to the Board.