



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for October 2019  
Date: October 16, 2019

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

On August 30, 2019 FEMA informed the Council all data, required for levee accreditation under 44 CFR 65.10, for the Prairie Du Pont/Fish Lake Levee System, had been received and accepted and notification to levee stakeholders by letter would occur within 30 days. Yesterday, Mr. Ken Hinterlong, FEMA, informed me, the continued letter of accreditation should now be issued by the end of October.

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

In Lower Wood River, Wood continues the geotechnical re-analysis of certain reaches due to revised hydraulic and hydrologic (H&H) modeling indicating higher water elevations along approximately 2.5 miles of levee (the majority of the water surface elevations were unchanged). Re-analysis has required additional field data and soil samples.

The additional information has lowered water surface elevations compared to what was submitted to FEMA/ISWS in July 2019, but still slightly higher than the original H&H data that was completed in 2013. Wood is encouraged with the latest round of H&H modeling, that their geotechnical analysis should produce acceptable factors of safety.

Once the analysis is completed over the coming weeks, Wood will resubmit to the Illinois State Water Survey (ISWS).

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 on FEMA regarding their Upper Wood River resubmittal.

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

### Wood River Levee System

Wood continues the design of Bid Package #8, with a scheduled submittal of 95% Plans/Specs/Design Document Report on November 8, 2019. This bid package will be constructed by the Corps of Engineers with a bid opening and award early next year.

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

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. The Corps' BCOES (Biddability, Constructability, Operability, Environmental and Sustainability) review and Safety Assurance Review (SAR) review should be completed within the next two weeks. A January 2020 contract award is anticipated.

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. SAR and BCOES reviews are needed and approval of the clay caps in the floodplain by the State of Illinois is also required. If the BCOES review is timely, a January 2020 contract award is anticipated.

The design of Bid Package #11 is ongoing, with Wood waiting for the Corps' decision on whether pump station upgrades, Woods has deemed necessary, at the G.C.E.D. #1X pump station can be included as part of the "project" and therefore eligible for cost share. Design is currently anticipated to be completed in March with Board approval in May 2020. Pump station upgrades could affect the current schedule. The preliminary estimated construction cost is \$9,500,000 dollars.

To avoid confusion with the Corps' Bid Package #12, the Council's Bid Package #12 will now be identified as Bid Package #18A. This bid package, which is needed for Work In-Kind credit, will involve modifications to MESD pump stations at sites 9 and 10.

The Corp of Engineers opened bids for the East St. Louis Deep Cutoff Wall Project on September 23, 2019. They anticipate a public release of bid information on November 8, 2019 with a contract award on November 14, 2019.

### 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.

The Levee Community Preparedness Presentations with the Levee Issues Alliance and the Corps of Engineers continue to go well with future presentations scheduled for the Wood River Rotary and Waterloo Chamber of Commerce.