



Memo to: Board of Directors
From: Chuck Etwert
Subject: Program Status Report for September 2019
Date: September 17, 2019

100-Year Certification Packages Status

On August 30, 2019 inform the Council that all data required for levee accreditation under 44 CFR 65.10 has been received and accepted. FEMA will be notifying levee stakeholders by letter within 30 days to confirm that the levee system can be accredited.

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. Lengthy reviews may delay the scheduled September advertisement and November 2019 contract award.

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. Lengthy reviews may also delay the scheduled September advertisement and November 2019 contract award.

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. With all relocation agreements completed and all required easements obtained, a bid opening is currently scheduled for September 23, 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 recent presentations to the Columbia Chamber of Commerce and the East Alton Rotary.