



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

100-Year Certification Packages Status

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. FEMA has indicated that it has everything it needs and issuance of a continued accreditation letter will occur in the next two weeks.

On April 29, 2019 FEMA issued a letter indicating “the minimum criteria outlined in the structural requirements of 44 CFR Section 65.10(b) (1) – (b) (5), have been met for the MESD Levee System”. FEMA will be working with the Corps, MESD, and impacted communities regarding additional coordination involving interior drainage and Operation & Maintenance Plans. FEMA will issue new plans in the future which will reflect the continued accreditation of the MESD Levee System. FEMA has 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, Lower Wood River, and Upper Wood River Systems will be dependent on the review of the resubmittals by ISWS and the Illinois Department of Natural Resources.

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.

Approval of the new Project Partnership Agreement for the Wood River Levee System is expected in July. 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 \$10.6 million dollars, and develop the Council's Bid Package #18. Due to substantial additional structural engineering necessary at the Cahokia Pump Station the design is now anticipated to be completed by the end October with Board approval in November.

Wood is continuing the design of Bid Package #14, a shallow clay trench and filter blanket. Additional geotechnical re-analyses and coordination among Wood and the Corps of Engineers has resulted in a slight schedule delay, with advertisement for bid now expected in the fall with Board approval in November. The estimated construction cost is \$4.3 million dollars.

Wood is also continuing the design of Bid Package #11. Exploration of alternatives in the value engineering process has resulted in a slight schedule delay with design now anticipated to be completed early next year, with Board approval in March 2020. The preliminary estimated construction cost is \$10,000,000 dollars.

On May 2, 2019 the Corps of Engineers approved Council Work In-Kind requests totaling \$12,415,405.70. This will be used as the non-federal share on the Corps' East St. Louis Flood Protection Deep Cutoff Wall Project base bid involving approximately 1,823 linear feet of wall.

For the Corps' Deep Cutoff Wall Project option bid, the Council will utilize Bid Packages #14 and #18 for Work In-Kind credit. Construction of these bid packages is now scheduled to be complete in September 2020.

The Corps has informed the Council, Work In-Kind credit does not have to be 100% complete for them to utilize the balanced federal funds. In addition, 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. Therefore, the Corps will not be

asking for cash to replace Work In-Kind credit, if Bid Package #18 and Bid Package #14 weren't completed, as indicated in their May 8, 2019 letter.

Prairie Du Pont/Fish Lake Levee Systems

Wood is continuing the design of Bid Packages #15, #16, and #17. The design progress has slowed due to 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 not anticipated to be completed before the end of the year.