



Memo to: Board of Directors

From: Chuck Etwert

Subject: Program Status Report for January 2021

Date: January 14, 2021

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.

For the Wood River Systems (Wood River East & West Forks, Lower Wood River, & Upper Wood River), FEMA required review and approval by the Illinois Department of Natural Resources Office of Water Resources (OWR) and the Illinois State Water Survey (ISWS).

On October 21, 2020, the Office of Water Resources issued their letter of concurrence.

On October 26, 2020 , the Illinois State Water Survey indicated they had everything they needed to issue the 316-PMR letters for the Wood River Systems and would be coordinating with FEMA Region V to make sure the 316-PMR approval letters are issued to all of the affected communities. We continue to wait for letters originally scheduled to be issued by ISWS by the end of November. On December 21st, FEMA indicated letters were expected by the end of the year. As of today, letters haven't been issued.

On December 15, 2020, Wood made what is believed to be their final submittal for both the Lower Wood River and the Wood River East and West Forks System to FEMA, with an anticipated timely turnaround. With the Corps of Engineers is addressing the FEMA accreditation of both Upper Wood River System and the MESD/Chain of Rocks System, this submittal, if approved by FEMA, will complete the FPD Council's efforts to maintain accreditation of the Metro-East Levee Systems that protect the region from Mississippi River flooding.

On December 21st, FEMA indicated it anticipates accreditation of the Wood River Systems by the end of March.

FEMA has indicated that it hopes to issue preliminary new flood zone maps within a year and final flood zone maps within the next two to three years for St. Clair County.

500-Year Authorized Level Status

Wood River Levee System

Land acquisition for Bid Package #8 and other USACE specific packages continues with progress being made and USACE bidding Bid Package #8 in FY 2021.

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 – Construction is mostly complete, with placement of clay fill remaining on the project, which is difficult at this time of the year. A check valve approved as part of Change Order No. 2 is still scheduled to arrive later this month. It has a one day installation. A substantial completion meeting for Bid Package 18 will likely occur in the near future.

Bid Package #14A – Underseepage Controls from 861+00 to 863+00 is substantially complete. A substantial completion meeting was held on December 18, 2020.

Bid Package #11 – Wood is working on the 95% complete design effort with submittal to USACE planned for March 2021. The submittal of the 95% design has been delayed due to the need for additional field work associated with a pump station outfall structure. The original design for the outfall included modifying the existing structure (at the riverside toe) to fit four force mains. During the 65% submittal the outfall was relocated further riverside to approximately 100 feet from the Granite City Sewage Canal by extending the force mains and reconstructing the outfall to fit four force mains. This design would eliminate the water's flow across 100 feet of existing ground, reducing the potential for rutting or erosion between the outfall and canal.

The design for the outfall prior to 65% used existing borings from the landside of the levee, approximately 220' from the revised location. Following the relocation of the outfall, the historic borings drilled by USACE were reviewed by USACE and Wood. These borings were considered to be insufficient to support geotechnical recommendations. An additional boring was

recommended by Wood and USACE and is planned to be taken very soon, followed by lab work and then design of the structure with the new boring information.

With the pump station outfall structure and USACE adding fourteen relief wells and additional piping, a new cost estimate is in the process of being developed. The preliminary estimated construction cost of \$10,100,000 dollars will increase accordingly.

Bid Package #18A – A report summarizing the results and scope recommendations is still underway and is expected to be issued in the near future.

Work In-Kind credit of \$12,415,405 has been earned to date for the MESD Levee System.

Prairie Du Pont/Fish Lake Levee Systems

After discussions with the Corps of Engineers regarding the upcoming drilling efforts planned in the Prairie Du Pont System, the Corps informed Wood, a more in-depth and lengthy review of the boring plans than had been done and discussed in previous discussions would be required.

Wood submitted the necessary drilling plan documents to the Corps of Engineers on December 8, 2020. The Corps has issued, and Wood has responded to, a single comment to Wood's drilling plan. It is hoped the Corps will make review of the boring plan a priority, so 30 borings can be completed before spring. Wood previously began the process of securing right of entry agreements from land owners in the area.

Designs, bid schedules, and revised cost estimates for Bid Packages #15, #16, and #17 will be developed as collection of data is complete.

Included in your Board packet, is a copy of Wood's Monthly Construction Progress Report for January.