



Memo to: Board of Directors  
From: Chuck Etwert  
Subject: Program Status Report for December 2021  
Date: December 15, 2021

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

MESD and Wood continue to gathering the additional information requested by FEMA regarding the “Operation and Maintenance” manuals for certain facilities located in the MESD system, Granite City system, and the Tri-City Regional Port system. A conference call with FEMA was held on December 8<sup>th</sup>. The current schedule is to have all requested documentation provided to FEMA by the end of the year, with a follow-up call with FEMA already scheduled for January 25<sup>th</sup>.

FEMA indicated their review would probably take up to sixty days and if no additional information was required, a letter of accreditation could be issued in March or April. This would complete total accreditation of the Metro East Levee Systems.

FEMA also indicated that it still hopes to issue new preliminary maps for Madison, Monroe, and St. Clair Counties next year probably in late spring or summer.

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

#### **Wood River Levee System**

As previously indicated, to satisfy the Work In-Kind Credit still remaining for Wood River, the Council will take on one more project in the Wood River area. This project will be called Bid Package #9. The project is relatively small and includes a single seepage berm and drainage improvements in the Roxanna, IL. On November 17<sup>th</sup>, the FPD Council sent a letter to USACE requesting approval for the FPD Council to construct Bid Package #9; as of December 13, we have not yet received a response from USACE.

On December 13, Wood received the Notice to Proceed (NTP) letter for the U.S. Army Corps of Engineers' Relief Well Package 2. NTP letters officially authorize the FPD Council to begin land acquisition required for the applicable work package. Similarly, Wood also received amendment #2 to the Relief Well Package 3 NTP on December 13, which is also a USACE project. Wood will continue to work with partners on the land acquisition team to secure the lands needed to construct the remaining USACE projects.

Preparation of the first LERRDs submittal to USACE is 80% complete with an anticipated submittal in mid-January.

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 the project mentioned above.

### MESD Levee System

Bid Packages #14A & #18 – Construction is complete and closeout documentation is still underway.

Bid Package #11 – Wood continues to wait for USACE to begin Agency Technical Review (ATR) on Bid Package #11 plans submitted on June 28. The ATR review is estimated to take 4-6 weeks once started, but as of December 13th, the ATR had not yet started. Following ATR, Wood will re-submit to the Corps for the Corps' Bidding, Constructability, Operability, Environmental, and Sustainability (BCOES) review. The Corps' BCOES review is anticipated to take approximately 4 to 6 weeks. After all the Bid Package #11 reviews are complete, the project will be advertised for bid. Board approval of this project was originally scheduled for November 2021, but the delay in ATR Review will push board approval to the August 2022 meeting.

Current estimated construction cost is \$11,900,000.

Bid Package #18A – A report summarizing the results and scope recommendations is still underway and is expected to be issued in the near future. It is anticipated the estimated cost will be in the vicinity of \$6,000,000.

Land acquisition also continues along the MESD-owned levee system.

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

Wood submitted the Phase III PDP Drilling Plan to USACE on October 10, 2021. This Drilling Plan covers the remaining subsurface investigations for the PDP/FL Levee Systems. Approval

of this Drilling Plan very soon is necessary to take advantage of favorable drilling conditions this winter.

The level of effort that will be required for environmental permitting is still unknown and Wood continues to wait for a meeting invite with USACE Regulatory Branch to discuss. The FPD Council and Wood are continuing to discuss this with USACE.

Designs, bid schedules, and revised cost estimates for all bid packages will be developed as collection and analysis of data is complete.

### Construction Cost Estimate Updates

In light of recent price changes in the construction industry, Wood has revised the construction cost estimates for the remaining bid packages. Many of the FPD Council's funds go towards the construction of relief wells. Relief wells are constructed of stainless steel, the price for which is presently up approximately 150% since October 2020; in other words, \$100 of relief well steel in October 2020 now costs approximately \$250.

Wood reached out to the Corps about the possibility of changing the relief wells to PVC, but USACE was not receptive to that idea. Similarly, diesel fuel has increased by approximately 100% since October 2020. Trucking material for the construction of seepage berms is the next largest expense the FPD Council will have going forward with Authorized Level Project construction. Trucking costs have a direct correlation to diesel fuel prices.

Other inputs such as labor and concrete are up more than average, but not nearly as much as steel and fuel. The increases cited are based on the Bureau of Labor Statistics (BLS) Producer Price Index (PPI). Wood also received information about prices in general and information about the saturation of the local construction market from Keller Construction and two relief well drillers; their information aligned closely with the BLS PPI data. As the construction market continues to evolve, Wood will revisit costs as needed. The next project to be bid will be Bid Package 11 in summer 2022.

With volatility of construction costs, Wood has included ten to twenty percent contingency costs to each of their estimates. The Council also includes ten to twelve and a half percent contingency costs when projecting cash flow. In summary, at this time based on current cost estimates, if no contingencies funds are needed, there should be sufficient funds to complete the Authorized Level Projects.

If all contingency funds are needed, there would be a shortfall of approximately fifteen million dollars, which would have to be addressed. Final funding needs will be determined as projects are bid and awarded during the next two years.

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

