

**Minutes of a Meeting
of the**

ENGINEERING & CONSTRUCTION COMMITTEE

DuPage Water Commission
600 E. Butterfield Road, Elmhurst, Illinois

January 18, 2024

Chairman Fennell called the meeting to order at 6:00 P.M.

Committee members in attendance: D. Bouckaert, J. Fennell, D. Novotny, and J. Zay

Committee members absent: F. Saverino

Also in attendance: C. Bostick, D. Cuvalo, J. Haney, J. Loster, P. May, D. Panaszek and M. Weed

Commissioner Bouckaert moved to approve the Minutes of the November 16, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Manager of Water Operations Bostick provided a synopsis of the ongoing Operations and Maintenance activities as listed in the Report of Status of Operations and Board Action Items and Engineering Manager Loster provide reports on Status of Construction and Capital Engineering and Improvement Projects.

Manager of Water Operations Bostick reported that the DuPage Pump Station elevator is being upgraded due to equipment reaching the end of its useful life and regulatory issues.

Manager of Water Operations Bostick reported that ongoing issues with the refurbishment of HLP #9 has resulted in Staff sending the pump out to a secondary industrial pump service company to complete the necessary work. Upon return of the pump, it will be reset and tested.

Regarding R-1-24, Manager of Water Operations Bostick advised the Committee that this action is seeking approval of a 12-month renewal of Heavy Machinery and Equipment Rigging, Transportation, and Installation Services with Meccon Industries Inc.

Regarding R-2-24, Manager of Water Operations Bostick advised the Committee that this action is seeking approval of the manufacture and purchase a High Lift Pump control valve and to procure repair services for a separate malfunctioning High Lift Pump control valve from the two sole source providers for the Allis Chalmers Cone Valves which have been in service since original construction.

Regarding R-5-24, Manager of Water Operations Bostick advised the Committee that this action appears on the agenda to suspend the purchasing procedures and authorize the General Manager to purchase replacement mechanical seals, associated parts, and labor service for the Commission's High Lift Pumps, at a cost not to exceed \$180,000 from Superior Industrial Equipment, the mechanical seals sole authorized supplier and service partner in the Chicago metropolitan area.

Manager of Water Operations Bostick reported that CAT Power Systems has completed the upgrade of the Emergency Generation System Controls and is working to receive the record drawings and O&M documentation.

Manager of Water Operations Bostick reported that NSMJAWA (Northwest Suburban Municipal Joint Action Water Agency) has indicated they have a leak and certain NSMJAWA customers have requested certain DWC customers operate their existing interconnects to back feed the NSMJAWA customers if NSMJAWA ceases operation. In addition, the Village of Schaumburg, also a NSMJAWA customer, has requested activation of the DWC/Schaumburg Emergency Interconnection to supply Schaumburg with up to 10 million gallons per day. Manager of Water Operations Bostick advised the Committee that DWC Staff continues engaging in conversations between NSMJAWA directly, as well as NSMJAWA customers and Commission Customers to ascertain what assistance the Commission may be able to lend without impacting service to the DuPage Water Commission system as a whole.

Regarding R-6-24, Manager of Water Operations Bostick reported that emergency pavement repairs were required on a heavily travelled DuPage County Highway where the pavement surrounding a Commission asset has failed due to freeze/thaw and had created a hazard. This action is seeking ratification of the Quick Response Contract Work Authorization Order.

Regarding R-7-24, Manager of Water Operations Bostick reported that emergency watermain repairs were required on a 24-inch diameter pipeline in Lombard. Manager of Water Operations Bostick advised the Committee that investigation determined that the pipeline's wrapped coating was damaged during a utility's directional boring work in 1998 where the steel pipe wall eventually corroded, and the leaking water surfaced. Manager of Water Operations Bostick advised that Staff will seek reimbursement from the responsible utility.

Manager of Water Operations Bostick reported the SCADA Replacement Project (Contract PSD-9/21) is ongoing, the Contractor is in the process of performing an internal Factory Acceptance Test (FAT) which will be followed up with the formal FAT with DWC staff and Resident Engineers in early February. Manager of Water Operations Bostick advised the Committee that the project is progressing under budget and on schedule.

Engineering Manager Loster reported on the progress of the Emergency Generation System Modifications Project (PSD-10/22) and states that work on the exterior of the addition is nearing completion with only minor components remaining and interior work continues to take place. He stated that the generator was removed from the site earlier in January for modification and is scheduled to be returned to the site and reinstalled in late January or early February.

Engineering Manager Loster also reported that there is ongoing work related to cathodic protection improvements, with design work having recently been completed for locations on the west transmission main and inner belt transmission main and that Commission Staff is expecting pricing toward the end of January, which is likely to be brought to the Board in February for approval.

Regarding R-4-24, Manager of Water Operations Bostick advised the Committee that this action appears on the agenda to amend Task Order No. 01 with Burns & McDonnell Engineering to provide assistance to DWC Customers in the development of their IDNR Annual LMO-2 Water Audits.

Manager of Water Operations Bostick advised the Committee that a Request for Board Action appears on the agenda to authorize the purchase of LED emergency lighting fixtures for remote facilities in a dollar amount which exceeds the General Manager's purchasing authority.

Chairman Fennell inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Bouckaert moved to recommend approval of items 2 through 8 of the Engineering and Construction Committee portion of the Commission Agenda (Items IV through X on the Engineering and Construction Committee Agenda). Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Under Other Business, Engineering Manager Loster provided a status report on the preliminary engineering for the WaterLink Project and indicated that the Phase 1 work is nearing completion, which included preliminary design work, the identification of conceptual components and route alignment. He stated that the final deliverable associated with the Phase 1 work is currently in draft form and that Commission Staff is working with the consulting team to complete the document which is expected in the coming weeks. Engineering Manager Loster indicated that as Phase 1 work comes to a close, Commission Staff is seeking consensus from the Committee regarding two particular components. Engineering Manager Loster referred to the construction cost estimate table provided to the Committee and explained that there are two columns on the table referred to as the “54” upsize” and “baseline” pipe size. He explained that all costs shown on the table are based on the optimal pipeline route identified during Phase 1 work. Engineering Manager Loster stated that the baseline pipe size column shows costs that are required to service the 3 WaterLink communities and nothing more, however, during Phase 1 the concept of providing the Commission with additional capacity to this region was explored to potentially accommodate future customers without having to install infrastructure all the way back to the current Commission piping network and the “54” upsize” column shows costs associated with providing that additional capacity, which is currently estimated at a difference of \$36,000,000 in costs for which the Commission would be responsible. Engineering Manager Loster indicated that additional efforts to reduce project costs are ongoing and the numbers provided are conservative. He stated that Commission Staff is presenting this opportunity to the Committee in an effort to seek consensus regarding the approach to increase the pipe size for additional capacity. Chairman Fennell asked how much of the \$36,000,000 is associated solely with pipeline costs and expressed an opinion that the recommended approach to increase the pipe size is a good opportunity for the Commission. There were no other questions or concerns noted and the Committee provided consensus that Commission Staff should proceed as recommended.

Engineering Manager Loster also indicated that as Phase 1 is completed, Phase 2 will need to begin. He stated that the Commission has been pleased with the Phase 1 consulting team’s effort and would like to solicit a proposal from the same consulting team for the Phase 2 effort but is seeking consensus from the Committee regarding the recommended approach. Commissioner Bouckaert suggested that if Commission Staff is happy with the consulting team, she would support engaging them in the next phase of work. No other questions or concerns were noted, and Chairman Fennell stated that it is the Committee consensus to move forward as recommended by Commission Staff.

Chairman Fennell asked the Committee if any other business or other items to be discussed. Hearing none, and with no other items coming before the Committee, Chairman Zay moved to adjourn the meeting at 6:27 P.M. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.