

**Minutes of a Meeting
of the**

ENGINEERING & CONSTRUCTION COMMITTEE

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

August 17, 2023

Commissioner Saverino called the meeting to order at 6:00 P.M.

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

Committee members absent: J. Fennell

Also in attendance: C. Bostick, D. Cuvalo and M. Weed

Commissioner Saverino moved to approve the Minutes of the June 15, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.

Manager of Water Operations Bostick provided a synopsis of the ongoing maintenance and repair activities as listed in the Report of Status of Construction/Operations for June 2023 and July 2023 as well as the status of ongoing Capital Improvement Projects.

Manager of Water Operations Bostick reported that HLP #9 and Motor #9 were removed and sent to Midwest Service Center for cleaning and performing electromechanical checks and provision of a status report including documentation of necessary repairs. While the cleaning and repair services by Midwest are complete, there have been several items identified that should be performed and may only be performed by an alternative service provider.

Regarding Resolution R-39-23 and R-40-23, Manager of Water Operations Bostick reminded the Committee that in April 2023, the Board of Commissioners received a report and presentation from the engineering firm Carollo Inc., for various source water alternatives. Since the report was tendered, North Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC) have expressed interest in the potential of partnering with DWC on a regional project; Carollo is in process of updating the report to include the potential additional partners and the impact to the potential routes and the scale of the proposed infrastructure. Manager of Water Operations Bostick advised the updated Carollo report is expected in late-August or early September. Upon receipt of the Carollo update, Staff is recommending the Commission engage a third-party engineering consultant to validate the findings of the updated Carollo report for the “North Route” where R-39-23 appears on the agenda as the IGA to support the costs for the 3rd party evaluation of the Carollo Study by the third-party engineering firm to be shared equally between DWC, NSMJAWA and NWC. Staff is also recommending approval of R-40-23, Task Order No. 02 with Burns and McDonnell Engineering, to provide the professional consulting services to support the Commission with its efforts by reviewing and evaluating the reasonableness of the Carollo Alternative Water Supply Study Report, as previously tendered, and also inclusive of forthcoming supplements as developed by Carollo in consideration of the possibility of collaboration with NSMJAWA and NWC. This Task Order for the evaluation work is at an estimated cost \$75,000.00.

Manager of Water Operations Bostick advised the Committee, pursuant to R-19-23, the Board approved the purchase and installation of two (2) fabric storage structures from Big Top Manufacturing, however what wasn't clear at the time was that Big Top has a sole-source installer to maintain structural engineering integrity and warranty provisions. Manager of Water Operations Bostick advised the Committee that R-44-23 appears on the agenda seeking approval to suspend purchasing procedures and issue a Purchase Order to the sole source installing firm, Casey General, LLC; the overall costs to purchase and install the fabric structures remains as originally approved in R-19.

Regarding the DPPS Emergency Generation System Modifications (Contract PSD-10/22) project, Manager of Water Operations Bostick advised the Committee Resolution R-35-23 appears on the agenda seeking approval of Change Order No. 03 for a Contract Price reduction of \$137,018.75 and an extension of the Contract Completion Date by 61 calendar days due to the Contractor's inability to supply the specified structural glazed tile to match existing, due to ongoing supply chain issues, and Staff allowing substitution of painted common concrete masonry units in their place at a reduced cost to the Commission.

The Coating Rehabilitation Contract (PSD-11/22) work has been completed. Manager of Water Operations Bostick advised the Committee that Resolution R-34-23 appears on the agenda seeking Final Completion and approval of Change Order No. 02. Change Order No. 02 seeks to roll back the costs of unused equipment and extend the Contract Completion Date by 66 Calendar Days to July 5, 2023. The reason to seek the time extension is due to delayed coating application until ambient environmental conditions were more favorable to achieve a successful product application. Change Order No. 02 would also authorize the General Manager to issue final payment upon receipt of all contractually required documentation.

Regarding the Montgomery/Oswego/Yorkville (the Water Link Communities) pipeline Phase I design, R-38-23 appears on the agenda to Ratify the engineering contract with LAN and Associates commensurate with the approval of the engineering funding IGA as approved by the Commission and the respective Boards of the Water Link Communities. This action authorizes the expenditures not to exceed \$4,263,649 from escrow fund accounts as established by the IGA and as funding is supplemented from time to time from the Water Link Communities.

Regarding Resolution R-41-23, for the SCADA Replacement Project (Contract PSD-9/21), this item appears on the agenda as Change Order No. 03 for necessary modifications to the Work at a net cost reduction of \$233,718.76, decreasing the Contract Value by 1.45% to \$15,870,704.16. Manager of Water Operations advised that Staff, as they become more familiar with the design elements within the contract, are taking a second look and determining which, if any, elements are overly redundant and may be removed to reduce overall project costs.

A Resolution Approving and Authorizing the Execution of a Memorandum of Understanding for Geographic Information System Data Sharing with Kane County, Illinois appears on the agenda as R-33-23. Manager of Water Operations Bostick advised the Committee as the Commission's system expands farther outside of DuPage County, Staff will need to share data between several more entities.

Regarding R-45-23 Manager of Water Operations Bostick advised the Committee this item seeks approval of the 1st Amendment to Task Order No. 14 with AECOM to extend construction services regarding the I-290/I-294 widening project in proximity to the Commission's transmission mains at an additional cost not-to-exceed \$20,000.

Commissioner Saverino inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Saverino moved to recommend approval of items 2 through 9 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.

Under Other Business, regarding the Lexington Pump Station (LXPS) Condition Assessment, Manager of Water Operations Bostick reported that AECOM Technical Services and staff have completed and tendered the Final Draft of the Condition Assessment of the Lexington Pump Station. Manager of Water Operations Bostick reported one-hundred and fifty-one (151) items, highlighting critical items in critical facilities and the draft final report lists approximately twenty-four (24) critical items that are in a state of failure or imminent failure. In addition, Manager of Water Operations Bostick provided a history of the existing agreements in which the Commission is to participate in the maintenance of LXPS including a 2007 "enhanced" maintenance agreement where the Commission is to fund the maintenance activities in order ensure the timely completion of necessary maintenance, however the Condition Assessment shows that LXPS maintenance is inadequate. In summary, Manager of Water Operations Bostick provided a short list of the critical items; the malfunctioning SCADA system since 2013; the malfunctioning variable frequency drives and motor assemblies; failures in the emergency generation systems operations; the removal of pump and motor vibration monitoring systems; the malfunctioning Photovoltaic System as the larger items which require further study and evaluation. Manager of Water Operations Bostick also advised that the "enhanced" agreement dictated that the Commission is to receive operation and maintenance data from the LXPS to which all requests for documentation have been rebuffed. Manager of Water Operations Bostick concluded the report to the Committee stating the staff of LXPS are experienced in their respective discipline, however the inherent knowledge to operate the LXPS to serve the Commission is less than desired, and Commission Staff continues to work with LXPS staff to coordinate operational parity between the LXPS and DuPage Pump Station.

Commissioner Saverino inquired 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 6:30 P.M. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.