



AGENDA – Engineering and Construction Committee

Thursday, February 15, 2024 5:45 PM

Committee Members

J. Fennell, Chair
D. Bouckaert
D. Novotny
F. Saverino
J. Zay

- I. Roll Call
- II. Approval of the January 18, 2024, Engineering & Construction Committee Minutes

RECOMMENDED MOTION: To approve the Minutes of the January 18, 2024, Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Operations and Construction
- IV. **Resolution R-12-24:** A Resolution Authorizing the General Manager to Purchase Steel Pipe and Butt Straps **(American Spiral Weld Pipe – Cost Not-To-Exceed \$50,000.)**
- V. **Resolution R-13-24:** A Resolution Approving and Ratifying an Amendment to Work Authorization Order No. 019 Under Quick Response Contract QR-12/21 (meter station coupling repairs) **(Rossi Contractors Inc. – Cost Not-To-Exceed \$42,393.19)**
- VI. **Resolution R-14-24:** A Resolution Approving and Ratifying an Amendment to Work Authorization Order No. 020 Under Quick Response Contract QR-12/21 (frame and lid replacement/repairs) **(Rossi Contractors Inc. – Cost Not-To-Exceed \$145,636.12)**
- VII. **Resolution R-15-24:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-12/21 (cathodic protection TIB-223) **(WAO No. 24-Rossi Contractors, Inc. – Cost Not-To-Exceed \$300,000.)**
- VIII. **Resolution R-18-24:** A Resolution Awarding Quick Response Electrical Contracts QRE-10/24 **(No Cost This Action)**
- IX. **Resolution R-19-24:** A recommendation to authorize the First Amendment to Master Services Agreement Task Order #3 with Carollo Engineering, Inc, for Alternative Source Water Project professional engineering services **(Increase Not-To-Exceed Cost from \$50,000 to \$68,079)**

- X. Resolution R-20-24: A Resolution Approving a First Amendment to Task Order No. 18 under a Master Contract with AECOM Technical Services, Inc. **(Increase Not-To-Exceed Cost from \$104,920 to \$122,620)**

- XI. Resolution R-21-24: A Resolution to Authorize the General Manager to Purchase Galvanic Anodes, Coupons, and Backfill for Upcoming Cathodic Protection Projects **(Mesa Products - Not-To-Exceed \$165,000)**

RECOMMENDED MOTION: To recommend adoption of Items 2 through 9 under the Engineering and Construction Committee Report section of the Commission meeting agenda.

- XII. Other

- XIII. Adjournment

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**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.



MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations
Jeff Loster – Manager of Engineering

Mike Weed – Operations & Instrumentation Supervisor
Dariusz Panaszek – Pipeline & Remote Facilities Supervisor
Jessica Haney – Project Engineer
Denis Cuvalo – SCADA and Information Technology Supervisor

Date: 2/8/2024

Subject: Status of Operations, Engineering and Construction

Operations Overview

The Commission's sales for January 2024 were a total of 2.14 billion gallons. This represents an average daily demand of 68.9 million gallons per day (MGD), which is higher than the January 2023 average day demand of 65.4 MGD. The maximum day demand was 76.7 MGD recorded on January 21, 2024, which is higher than the January 2023 maximum day demand of 69.3 MGD. The minimum day flow was 60.9 MGD.

The Commission's recorded total precipitation for January 2024 was 3.46 inches compared to 2.53 inches for January 2023. The level of Lake Michigan for January 2024 is 578.48 (Feet International Great Lakes Datum (IGLD) 1985) compared to 578.87 (Feet IGLD 1985) for January 2023.

Operations & Instrumentation Maintenance and Construction Overview

A modernization upgrade that includes the replacement of electromechanical controls and communication systems on the DuPage Pump Station's single-car elevator is 95% complete. Commissioning of controls is complete; cab remodel is in process. The tentative completion date is March 1, 2024.

High Lift Pump #9 is in the process of being inspected including mechanical checks, sandblasting, painting, and resurfacing of seal faces. Tentative completion is February 29th.

Staff inspected and performed preventive maintenance on nine (9) 30" Cone Valves including roller replacement, lubricating, and seal packing replacement.

The Annual Customer Meter Testing Program is 100% complete.

R-18-24 Appears on the agenda as a Resolution Awarding Quick Response Electrical Contract QRE-10/24 to Homestead Electrical Contracting, LLC, McWilliams Electric Co. Inc., and Volt Electric, Inc. This Contract is to provide labor, material, and equipment for work that the Commission is unable to perform through its own personnel and with its own equipment, for a 2-year period through February 2026.

Assistance to NSMJAWA

NSMJAWA (Northwest Suburban Municipal Joint Action Water Agency) has indicated they may have a leak. To date, the extent of the leak is undetermined, however the eventuality is that in order to perform repairs, it may be necessary to utilize interconnections to support their system if the repairs last for an extended period of time. Several commission customers which have existing emergency interconnects with certain NSMJAWA customers, have been contacted seeking permission to operate the 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. Schaumburg also intends to back-feed other NSMJAWA customers through the DWC interconnect if possible. DWC 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.

Pipeline & Remote Facilities Maintenance Overview

Pipeline Staff is replacing emergency lighting and exit lighting fixtures at Remote Facilities, inspecting Corrosion Protection Test Stations, and performing maintenance and corrective work.

Pipeline Staff continues monitoring I-294 (NB) Tollway construction work in the vicinity of the Commission's 72-inch water main.

Resolution R-12-24 appears on the agenda to authorize the General Manager to purchase steel pipe and butt straps from American Spiral Weld Pipe at a cost not to exceed \$50,000. The purpose of the purchase is to replenish an inventory of pipes and butt straps.

Resolution R-13-24 appears on the agenda to approve and ratify an Amendment to Work Authorization Order No. 019 to Quick Response Contractor, Rossi Contractors, Inc. The original scope of work was extended due to conditions found during the repair process.

Resolution R-14-24 appears on the agenda to approve and ratify an Amendment to Work Authorization Order No. 020 to Quick Response Contractor, Rossi Contractors, Inc. The original scope of work was extended due to conditions found during the repair process.

Staff are developing a scope of work for a contractor to perform an exploratory excavation, with potential remediation of corrosion, on the east discharge main of the DuPage Pump Station. Staff are undertaking this task due to the corroded conditions found on the west discharge main in fall 2023.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. Concentric is performing the Factory Acceptance Test (FAT) for the new SCADA control panels for the DWC campus. The SCADA system installation is scheduled to begin February 19th starting with the DWC campus network equipment and control panels. The new AV system hardware has been installed, including the head-end network equipment and the Control Room TV wall. The final component, the AV system controls, will be installed in February alongside the SCADA system network components. The project is progressing under budget and on schedule.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The portable generator has been modified as necessary and was reinstalled on-site earlier this month, with generator control work continuing to progress. The exterior of the addition is now complete and interior life safety system, HVAC and electrical work continue.

DeLasCasas CP, LLC. has completed designs for cathodic protection systems to service a portion of the West Transmission Main and the Inner Belt Transmission Main.

Resolution R-15-24 appears on the agenda to approve Work Authorization Order No. 024 with Rossi Contractors, Inc. for the construction of the cathodic protection system as designed on the Inner Belt Transmission main.

Resolution R-21-24 appears on the agenda to authorize the General Manager to purchase anodes and other ancillary items from Mesa Products for the Inner Belt Transmission Main Cathodic Protection Project. Staff is requesting pre-purchase of these products to optimize costs and eliminate the typical overhead and profit charged by contractors when the material purchase is incorporated into construction projects.

Resolution R-20-24 appears on the agenda to approve an amendment to Task Order No. 18 with AECOM Technical Services, Inc. for design and bidding services associated with a request to add an additional connection point for the Village of Lombard. This work originally began in 2021, however, the work was postponed shortly thereafter pending advancement of a development project in Lombard. Due to the delay in the project schedule as well as some additional services needed, the cost to complete the work has increased.

WaterLink Communities (Montgomery/Oswego/Yorkville)

Phase I engineering on the WaterLink Project has largely been completed. The resulting Project Development Report (PDR) that was shared with the Engineering and Construction Committee has also been distributed to the three WaterLink Communities for their review. The information in this PDR will enable them to apply for their intended funding sources so that subsequent stages of the project can be funded and proceed. To that end, a Phase 2 proposal has been requested from the Phase I engineering consultant, LAN and Associates (LAN) and is tentatively scheduled to be brought to the Board for review and approval in March or April. In the meantime, Commission staff continues to work with the LAN team in reviewing and advancing critical path items, including working with ComEd to secure easement rights through their right-of-way for nearly 11 miles of pipeline as well as with the DuPage County Forest Preserve at Springbrook Prairie. These efforts, if successful, will lead to significant reductions in projects costs, construction duration, and disturbance to the public.

Alternate Water Source Study

In October 2023, the Board of Commissioners received a presentation from the engineering firm Carollo Inc., in which a general project overview and progress were shared with the Commission. Project design components, schedule, costs, and potential water agency partners were also reviewed. Burns and McDonnell engineers were then engaged to validate the Carollo study. Both firms worked together to refine the projected construction schedule to assist the Commission with determining the optimal length of extension for the Water Purchase and Sale Agreement with the City of Chicago. Based upon this effort and the resulting project memorandum, Staff is recommending that the Board consider the Chicago Source Water Contract Extension as outlined in R-11-24, which appears on the Administration Committee agenda, proposing a 17-year extension.

Since the completion of the updated “North” route update report, the Northwest Water Commission (NWC) has elected not to further participate in consideration due to limited financial benefit. Therefore, it is necessary to perform a follow-up revision to the report without the flow to NWC included. R-19-24 appears on the agenda seeking approval of the 1st Amendment to Task Order No. 03 with Carollo Engineers to refine the report including revisions to scale facility designs accordingly and identify associated impacts.

February 2024 Commission Agenda Items:

Resolution R-12-24: A Resolution Authorizing the General Manager to Purchase Steel Pipe and Butt Straps **(American Spiral Weld Pipe – Cost Not-To-Exceed \$50,000.00)**

Resolution R-13-24: A Resolution Approving and Ratifying an Amendment to Work Authorization Order No. 019 Under Quick Response Contract QR-12/21 **(Rossi Contractors Inc. – Increase Cost Not-To-Exceed \$42,393.19)**

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Resolution R-18-24: A Resolution Awarding Quick Response Electrical Contracts QRE-10/24 **(No Cost This Action)**

Resolution R-19-24: A recommendation to authorize the First Amendment to Master Services Agreement Task Order #3 with Carollo Engineering, Inc, for Alternative Source Water Project professional engineering services **(Increase Not-To-Exceed Cost from \$50,000 to \$68,079)**

Resolution R-20-24: A Resolution Approving a First Amendment to Task Order No. 18 under a Master Contract with AECOM Technical Services, Inc. **(Increase Not-To-Exceed Cost from \$104,920 to \$122,620)**

Resolution R-21-24: A Resolution to Authorize the General Manager to Purchase Galvanic Anodes, Coupons, and Backfill for Upcoming Cathodic Protection Projects **(Mesa Products - Not-To-Exceed \$165,000)**

Attachments

1. DuPage Laboratory Bench Sheets for January 2024
2. Water Sales Analysis 01-May-2020 to 30-January-2024
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation
5. WaterLink status report

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Jan-24

PER DAY AVERAGE 78,010,403

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-20	2,084,924,000	2,141,838,951	97.34%	\$10,362,072.28	\$8,513,809.83	376,100	0.02%	97.36%	\$4.97	\$3.975
Jun-20	2,522,634,000	2,596,146,493	97.17%	\$12,537,490.98	\$10,571,508.52	731,078	0.03%	97.20%	\$4.97	\$4.072
Jul-20	2,782,507,000	2,872,440,835	96.87%	\$13,829,059.79	\$11,696,579.08	647,000	0.02%	96.89%	\$4.97	\$4.072
Aug-20	3,078,522,000	3,180,137,701	96.80%	\$15,300,254.34	\$12,949,520.72	3,694,350	0.12%	96.92%	\$4.97	\$4.072
Sep-20	2,427,570,000	2,510,646,051	96.69%	\$12,065,022.90	\$10,223,350.72	1,148,848	0.05%	96.74%	\$4.97	\$4.072
Oct-20	2,143,671,000	2,203,255,879	97.30%	\$10,654,044.87	\$8,971,657.94	748,000	0.03%	97.33%	\$4.97	\$4.072
Nov-20	1,897,985,000	1,957,960,123	96.94%	\$9,432,985.45	\$7,972,813.62	200,026	0.01%	96.95%	\$4.97	\$4.072
Dec-20	1,955,711,000	2,027,160,874	96.48%	\$9,719,883.67	\$8,254,599.08	348,955	0.02%	96.49%	\$4.97	\$4.072
Jan-21	1,988,344,000	2,040,857,402	97.43%	\$9,882,069.68	\$8,310,371.34	205,828	0.01%	97.44%	\$4.97	\$4.072
Feb-21	1,915,366,000	1,971,858,620	97.14%	\$9,519,369.02	\$8,029,408.30	290,224	0.01%	97.15%	\$4.97	\$4.072
Mar-21	1,986,888,000	2,055,661,022	96.65%	\$9,874,833.36	\$8,370,651.68	512,237	0.02%	96.68%	\$4.97	\$4.072
Apr-21	1,959,759,000	2,010,756,459	97.46%	\$9,740,002.23	\$8,187,800.30	1,013,926	0.05%	97.51%	\$4.97	\$4.072
May-21	2,331,364,000	2,401,447,849	97.08%	\$11,586,879.08	\$9,778,695.64	1,625,835	0.07%	97.15%	\$4.97	\$4.072
Jun-21	2,646,312,000	2,727,518,236	97.02%	\$13,152,170.64	\$11,226,465.06	872,815	0.03%	97.05%	\$4.97	\$4.116
Jul-21	2,661,520,000	2,750,318,994	96.77%	\$13,227,754.40	\$11,320,312.98	772,815	0.03%	96.80%	\$4.97	\$4.116
Aug-21	2,736,795,000	2,818,422,046	97.10%	\$13,601,871.15	\$11,600,625.14	458,555	0.02%	97.12%	\$4.97	\$4.116
Sep-21	2,616,212,000	2,698,022,374	96.97%	\$13,002,573.64	\$11,105,060.09	1,237,080	0.05%	97.01%	\$4.97	\$4.116
Oct-21	2,128,141,000	2,179,013,387	97.67%	\$10,576,860.77	\$8,968,819.10	396,147	0.02%	97.68%	\$4.97	\$4.116
Nov-21	1,896,311,000	1,961,815,221	96.66%	\$9,424,665.67	\$8,074,831.45	462,613	0.02%	96.68%	\$4.97	\$4.116
Dec-21	1,950,793,000	2,010,917,641	97.01%	\$9,695,441.21	\$8,276,937.01	382,031	0.02%	97.03%	\$4.97	\$4.116
Jan-22	2,046,043,000	2,110,214,643	96.96%	\$10,168,833.71	\$8,685,674.26	621,078	0.03%	96.99%	\$4.97	\$4.116
Feb-22	1,879,376,000	1,935,513,559	97.10%	\$9,340,498.72	\$7,966,573.81	247,750	0.01%	97.11%	\$4.97	\$4.116
Mar-22	1,990,472,000	2,061,912,643	96.54%	\$9,892,645.84	\$8,486,832.44	459,838	0.02%	96.56%	\$4.97	\$4.116
Apr-22	1,935,992,000	1,981,414,298	97.71%	\$9,821,880.24	\$8,155,501.25	285,652	0.01%	97.72%	\$4.97	\$4.116
May-22	2,276,513,000	2,344,221,635	97.11%	\$11,792,337.34	\$9,648,816.25	5,698,667	0.24%	97.35%	\$5.18	\$4.116
Jun-22	2,682,480,000	2,772,533,130	96.75%	\$13,895,246.40	\$11,982,888.19	690,925	0.02%	96.78%	\$5.18	\$4.322
Jul-22	2,804,661,000	2,892,532,635	96.96%	\$14,528,143.98	\$12,501,526.05	883,858	0.03%	96.99%	\$5.18	\$4.322
Aug-22	2,688,224,000	2,772,533,130	96.96%	\$13,925,000.32	\$11,982,888.19	906,806	0.03%	96.99%	\$5.18	\$4.322
Sep-22	2,415,535,000	2,474,643,822	97.61%	\$12,512,471.30	\$10,695,410.60	1,021,063	0.04%	97.65%	\$5.18	\$4.322
Oct-22	2,153,410,000	2,220,050,683	97.00%	\$11,154,663.80	\$9,595,059.05	2,891,786	0.13%	97.13%	\$5.18	\$4.322
Nov-22	1,919,552,000	1,979,550,491	96.97%	\$9,943,279.36	\$8,555,617.22	1,008,092	0.05%	97.02%	\$5.18	\$4.322
Dec-22	2,071,113,000	2,123,449,660	97.54%	\$10,728,365.34	\$9,177,549.43	552,389	0.03%	97.56%	\$5.18	\$4.322
Jan-23	2,014,750,000	2,060,255,805	97.79%	\$10,436,405.00	\$8,904,425.59	337,423	0.02%	97.81%	\$5.18	\$4.322
Feb-23	1,835,597,000	1,883,158,917	97.47%	\$9,508,392.46	\$8,139,012.84	529,206	0.03%	97.50%	\$5.18	\$4.322
Mar-23	1,971,974,000	2,026,257,691	97.32%	\$10,214,825.32	\$8,757,453.41	306,690	0.02%	97.34%	\$5.18	\$4.322
Apr-23	1,962,197,000	2,010,451,747	97.60%	\$10,164,180.46	\$8,689,172.45	349,596	0.02%	97.62%	\$5.18	\$4.322
May-23	2,474,377,000	2,540,440,833	97.40%	\$13,336,892.03	\$10,979,785.28	684,441	0.03%	97.43%	\$5.39	\$4.322
Jun-23	2,971,436,000	3,043,540,086	97.63%	\$16,016,040.04	\$13,814,628.45	678,930	0.02%	97.65%	\$5.39	\$4.539
Jul-23	2,567,425,000	2,639,887,376	97.26%	\$13,838,420.75	\$11,982,448.80	1,047,600	0.04%	97.29%	\$5.39	\$4.539
Aug-23	2,708,945,000	2,773,069,509	97.69%	\$14,601,213.55	\$12,586,962.50	832,992	0.03%	97.72%	\$5.39	\$4.539
Sep-23	2,406,858,000	2,471,708,096	97.38%	\$12,972,964.62	\$11,219,083.05	753,904	0.03%	97.41%	\$5.39	\$4.539
Oct-23	2,071,291,000	2,116,545,770	97.86%	\$11,164,258.49	\$9,607,001.25	1,034,131	0.05%	97.91%	\$5.39	\$4.539
Nov-23	1,902,725,000	1,957,768,374	97.19%	\$10,255,687.75	\$8,886,310.65	809,342	0.04%	97.23%	\$5.39	\$4.539
Dec-23	1,972,754,000	2,031,158,416	97.12%	\$10,633,144.06	\$9,219,428.05	2,329,064	0.11%	97.24%	\$5.39	\$4.539
Jan-24	2,058,390,000	2,131,445,175	96.57%	\$11,094,722.10	\$9,674,663.60	730,427	0.03%	96.61%	\$5.39	\$4.539
TOTALS (1)	904,764,648,798	930,867,439,625	97.20%	\$2,256,304,183.66	\$1,993,402,048.85	870,472,971	0.09%	97.29%	\$2.49	\$2.142

(1) - SINCE MAY 1, 1992

(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD

Jan-23	21,026,238,000	21,639,770,991	97.16%	108,915,913	93,044,181			\$5.18	\$4.300
Jan-24	21,134,201,000	21,705,563,635	97.37%	113,913,343	97,970,312			\$5.39	\$4.514
	107,963,000	65,792,644		\$4,997,431	\$4,926,131				
	0.5%	0.3%		4.6%	5.3%				
Month									
Jan-23	2,014,750,000	2,060,255,805	97.79%	10,436,405	8,904,426			\$5.18	\$4.322
Jan-24	2,058,390,000	2,131,445,175	96.57%	11,094,722	9,674,664			\$5.39	\$4.539
	43,640,000	71,189,370		\$658,317	\$770,238				
	2.2%	3.5%		6.3%	8.7%				
Jan>Dec	85,636,000	100,286,759		461,578	455,236				

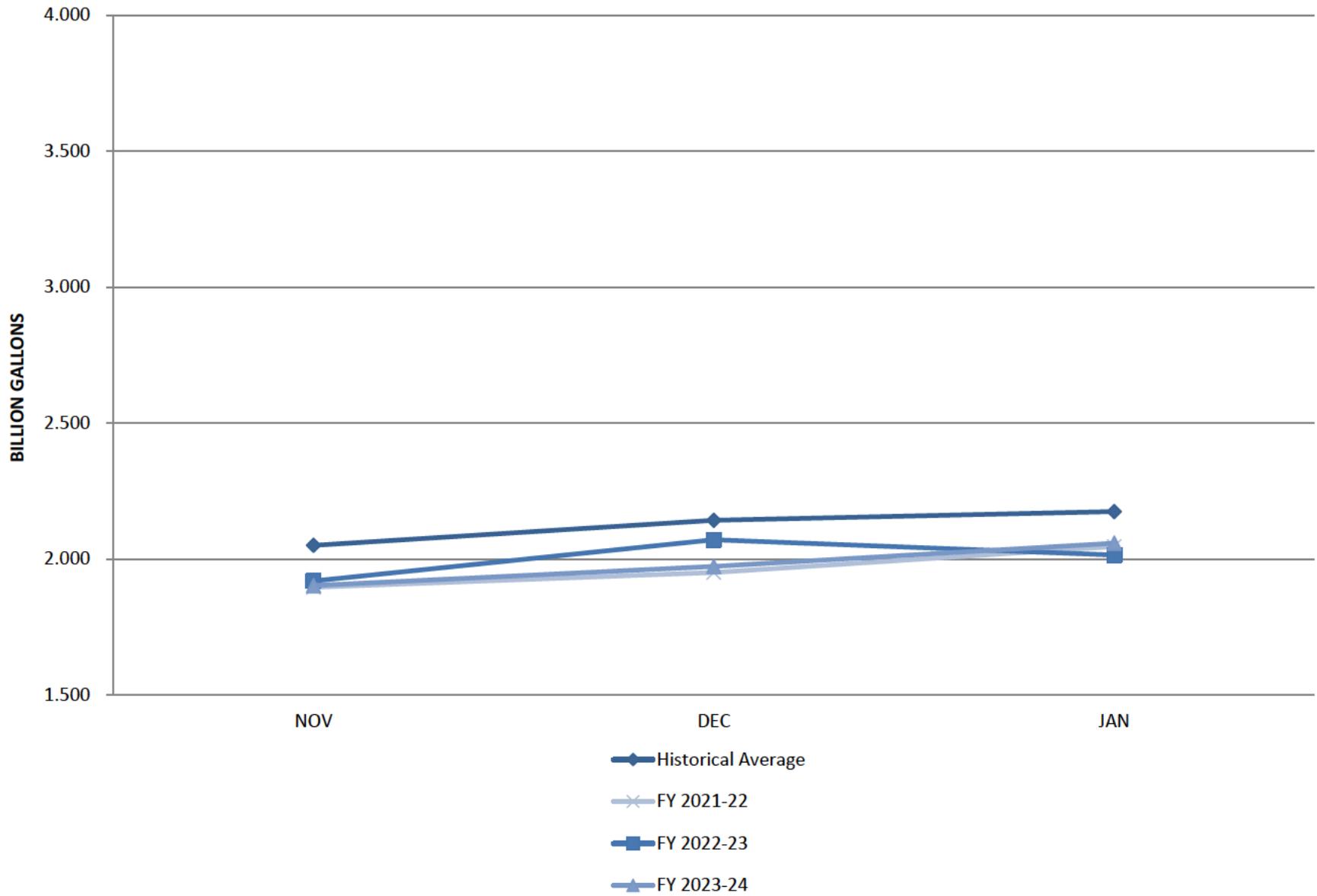
DUPAGE WATER COMMISSION
 PWS FACILITY ID# - IL435400
 MONTHLY OPERATIONS REPORT
 DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
 JANUARY 2024

DATE	LEXINGTON P.S. SUPPLY			DUPAGE P.S. DISCHARGE							ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)	FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)	
1	1.41	0.10	0.61	1.47	0.09	50	7.3	0.8	0.58	0	JS
2	1.33	0.09	0.60	1.39	0.09	49	7.3	0.8	0.60	0	JS
3	1.40	0.10	0.62	1.42	0.10	50	7.3	0.8	0.61	0	AM
4	1.39	0.09	0.60	1.38	0.09	49	7.4	0.8	0.59	0	AM
5	1.40	0.09	0.58	1.42	0.10	50	7.3	0.9	0.61	0	AM
6	1.38	0.09	0.59	1.41	0.09	49	7.4	0.9	0.61	0	JS
7	1.41	0.09	0.60	1.44	0.09	49	7.3	0.9	0.59	0	JS
8	1.46	0.09	0.59	1.46	0.10	49	7.4	0.8	0.61	0	AM
9	1.52	0.10	0.61	1.49	0.09	49	7.4	0.8	0.60	0	AM
10	1.48	0.09	0.60	1.50	0.09	49	7.4	0.9	0.61	0	JS
11	1.32	0.10	0.59	1.29	0.10	48	7.4	0.8	0.60	0	JS
12	1.33	0.10	0.61	1.35	0.09	49	7.3	0.7	0.61	0	JS
13	1.35	0.09	0.61	1.31	0.09	51	7.4	0.7	0.62	0	KD
14	1.38	0.09	0.58	1.31	0.08	51	7.5	0.9	0.63	0	KD
15	1.36	0.10	0.56	1.30	0.09	50	7.4	0.8	0.61	0	JS
16	1.38	0.10	0.58	1.34	0.09	49	7.4	0.8	0.60	0	JS
17	1.35	0.09	0.58	1.43	0.08	48	7.5	0.8	0.54	0	KD
18	1.48	0.09	0.63	1.43	0.07	48	7.4	0.8	0.62	0	KD
19	1.37	0.09	0.61	1.39	0.10	46	7.4	0.8	0.59	0	KD
20	1.41	0.09	0.59	1.41	0.09	46	7.5	0.8	0.56	0	RC
21	1.34	0.09	0.61	1.28	0.10	48	7.5	0.8	0.52	0	RC
22	1.37	0.10	0.62	1.34	0.10	46	7.5	0.8	0.56	0	KD
23	1.31	0.09	0.59	1.31	0.20	45	7.5	0.8	0.60	0	KD
24	1.42	0.09	0.67	1.35	0.08	47	7.6	0.8	0.53	0	RC
25	1.46	0.09	0.60	1.36	0.10	44	7.6	0.9	0.54	0	RC
26	1.42	0.08	0.51	1.31	0.08	46	7.6	0.8	0.51	0	RC
27	1.43	0.08	0.54	1.41	0.08	46	7.6	0.8	0.58	0	KD
28	1.32	0.08	0.64	1.33	0.08	46	7.6	0.7	0.61	0	KD
29	1.32	0.07	0.58	1.34	0.08	46	7.7	0.9	0.51	0	RC
30	1.35	0.07	0.61	1.31	0.07	47	7.7	0.8	0.57	0	RC
31	1.36	0.08	0.59	1.39	0.08	46	7.6	0.9	0.58	0	KD
AVG.	1.39	0.09	0.60	1.38	0.09	48	7.5	0.8	0.58	0	
MAX.	1.52	0.10	0.67	1.50	0.20	51	7.7	0.9	0.63	0	
MIN.	1.31	0.07	0.51	1.28	0.07	44	7.3	0.7	0.51	0	

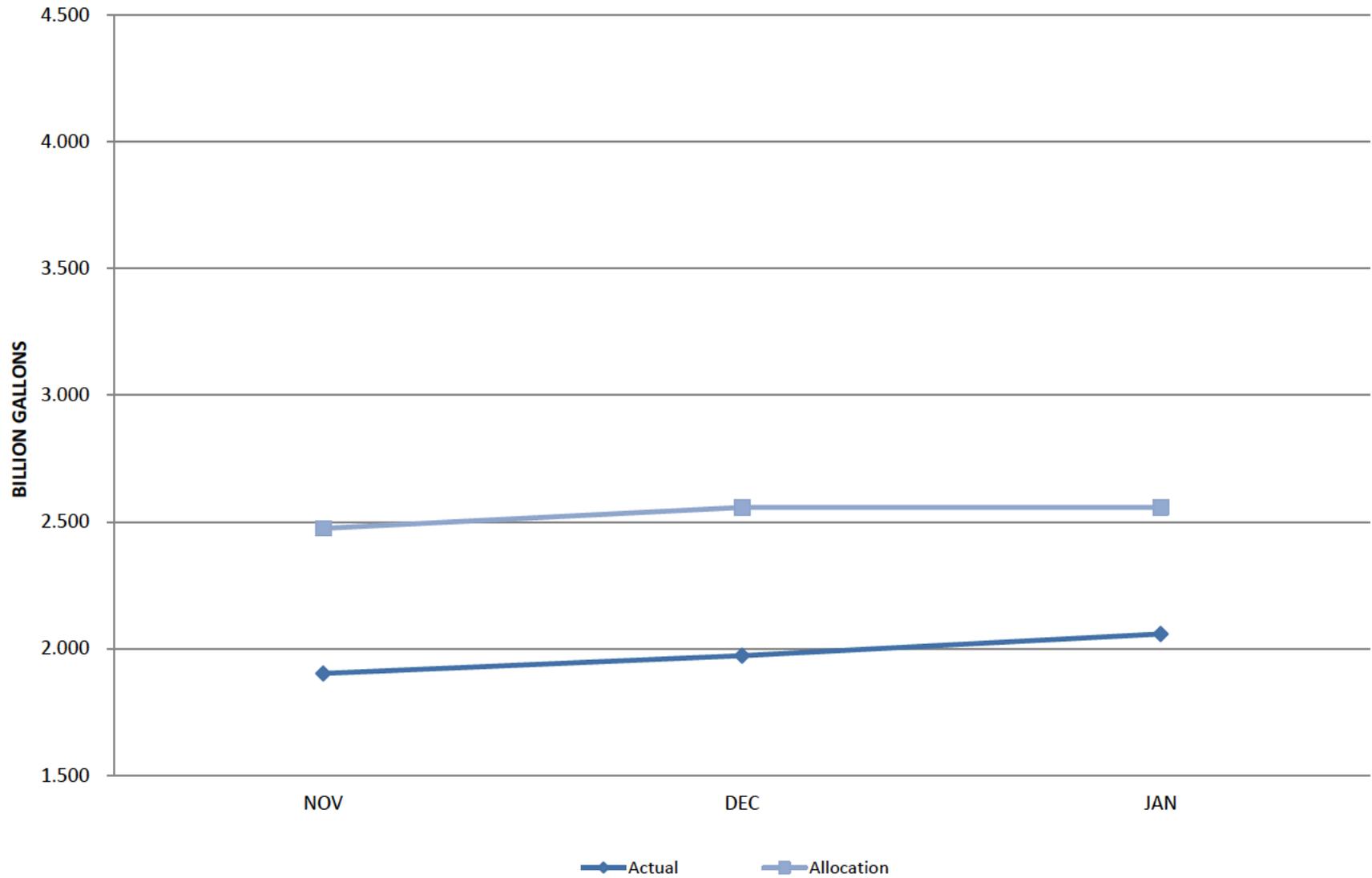

 Date 2/5/24

Mike Weed, Operations Supervisor
 Illinois ROINC # 186860234

DU PAGE WATER COMMISSION SALES FY 2023-24, 2022-23 & 2021-22 VS. HISTORICAL AVERAGE



DU PAGE WATER COMMISSION SALES FY 2023-24 VS. ALLOCATION





MONTHLY STATUS REPORT

LAN PROJECT #: 128-10031-000

PROJECT: DuPage Water Commission WaterLink Extension

REPORT DATE: February 06, 2024

MEETING DATE: February 15, 2024

I. Progress through February 05, 2024

- A. Field data collection and Surveying remains ongoing.
 - 1. Drilling of geotechnical borings ongoing at two crossings along ComEd property.
- B. Data Collection (as-builts, GIS, design drawings).
 - 1. Utility data requests in progress for revised Segment 3 route along IL Route 71.
- C. Revised Draft Project Development Report (PDR) addressing DWC comments submitted on 02/05/24 for final review and forwarding to WaterLink communities.
 - 1. PDR includes copies of all studies completed during Phase I, as well as route recommendations, hydraulic modeling results, preliminary pipeline plan and profile drawings, and opinions of cost.
- D. Ongoing Coordination with ComEd.
 - 1. Preliminary plan and profile drawings were submitted to ComEd on 11/01/23 which initiated ComEd Engineering Department review. Review will determine feasibility of utilizing ComEd property for the proposed pipeline alignment.
 - a) Review comments received from Environmental Services (11/29/23), Transmission Engineering (12/06/23) and Distribution Engineering (12/06/23). Comments were primarily design and construction related, but no major comments impacting project feasibility.
 - b) Awaiting comments from remaining ComEd departments (Transmission Planning, Capacity Planning, and Substation).
 - 2. ComEd ESD and Real Estate Department approved proposed geotechnical work for Fox River and 95th Street Extended tunnel crossings.
 - a) Geotechnical drilling work began 01/22/24 and is currently ongoing.



**Lockwood, Andrews
& Newnam, Inc.**
A LEO A DALY COMPANY





MONTHLY STATUS REPORT

II. Scope Changes (to date)

- A. Extended ComEd route alternate to be included in route evaluation.
 - 1. Additional geotechnical investigation for ComEd extended route across Fox River.
 - 2. Additional survey for ComEd extended route across the Fox River.
 - 3. Titles and plats for all parcels in Extended ComEd Corridor.
- B. Hydraulics workshop added in place of 75th and Book Road connection workshop.
- C. Segment 3 route was changed from Minkler Road to IL Route 71 per DWC based on request from Yorkville (EEI) in order to connect to a lower pressure zone in their system. Cost estimates and preliminary plan and profile drawings were prepared assuming the IL Route 71 alignment.
- D. Additional hydraulic modeling was performed per request from Yorkville and Montgomery (EEI) and direction from DWC.
 - 1. Additional modeling scenarios verified pressure and flow data if the full 2050 average day flow allocation is delivered to a single delivery point (i.e., assuming one tank offline).
 - 2. The hydraulic modeling confirmed this scenario for each WaterLink community.

III. Financials

- A. Total Phase I Contract: \$4,263,649.00 (plus in-progress field services authorized for ComEd Extended Route)
- B. Fee Expended through December 31, 2023:
 - 1. Total: \$2,881,076 (67.6%)
 - a) Basic Services: \$1,699,439 (39.9%)
 - b) Additional Services: \$1,181,637 (27.7%)

IV. Completed Workshops, Meetings and Visits (January)

- A. ComEd Monthly Coordination Meeting – January 3, 2024.
- B. DWC PDR Comment Review Meeting – January 16, 2024.
- C. IDOT District 3 Coordination Meeting – January 23, 2024.



Lockwood, Andrews
& Newnam, Inc.
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MONTHLY STATUS REPORT

V. Upcoming Tasks & Meetings

- A. Further coordination with ComEd.
- B. Finalize geotechnical borings and report for Fox River and 95th Street crossings along ComEd route.
- C. Preliminary project review meeting with U.S. Army Corps of Engineers for Fox River crossing discussion.
- D. PDR review workshop with WaterLink Communities, as needed.
- E. Phase II Final Design scope and fee review meeting with DWC.

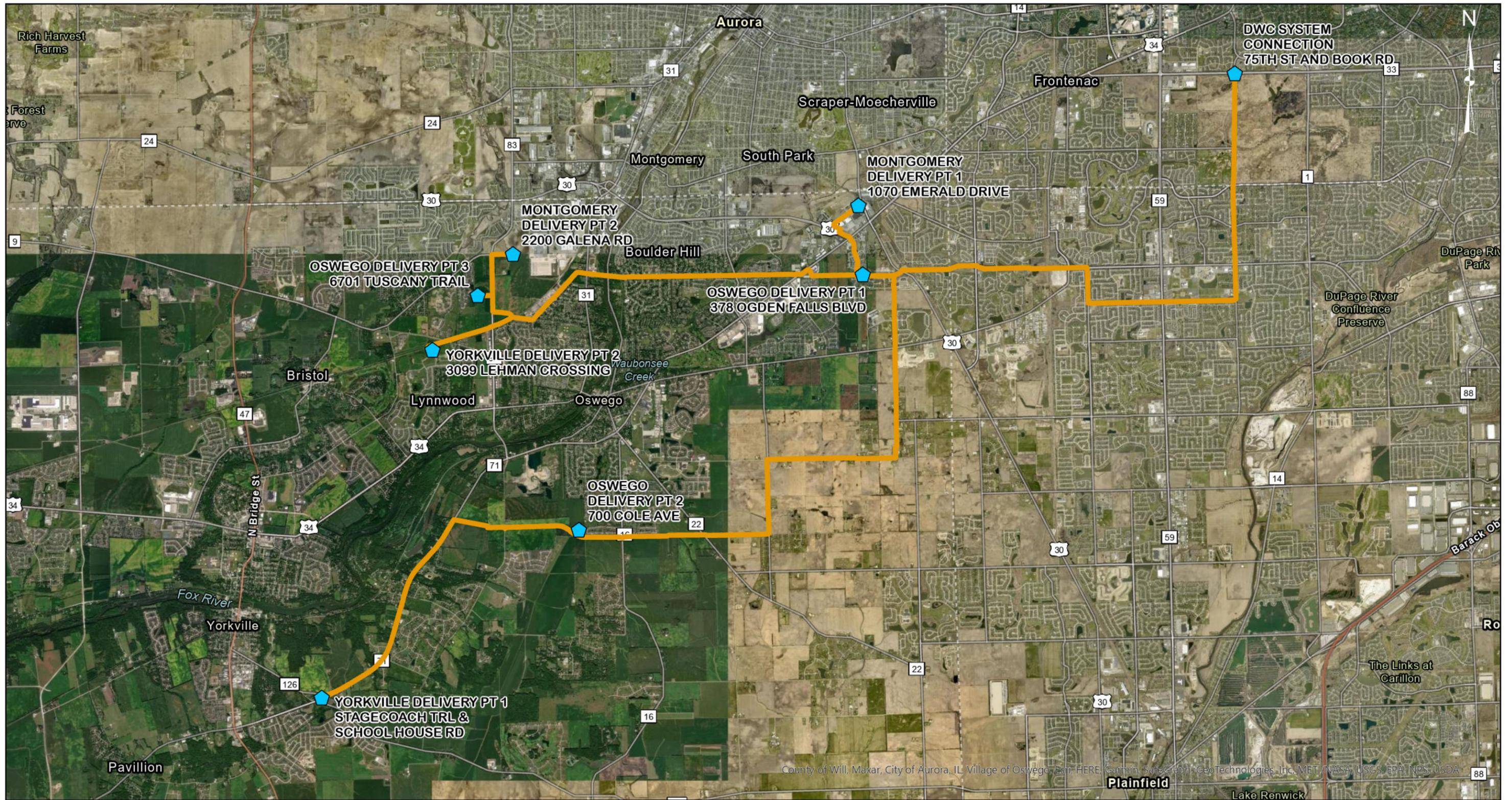


Lockwood, Andrews
& Newnam, Inc.
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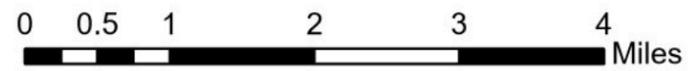


Cash Flow/Invoicing Forecast - Phase I Services
DuPage Water Commission
WaterLink Extension
February 2024

Description	Activity through June 30, 2023	Activity through July 31, 2023	Activity through September 01, 2023	Activity through September 29, 2023	Activity through October 31, 2023	Activity through November 30, 2023	Activity through December 31, 2023	Planned	Planned
	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024
Basic Services	\$ 95,434	\$ 160,905	\$ 251,845	\$ 196,686	\$ 302,911	\$ 310,567	\$ 381,091	\$ 512,500	\$ 101,756
Additional Services	\$ 67,212.00	\$ 361,804	\$ 403,110	\$ 100,162	\$ 97,700	\$ 49,146	\$ 102,503	\$ 298,858	\$ 469,459
MONTHLY TOTALS	\$ 162,646	\$ 522,709	\$ 654,956	\$ 296,848	\$ 400,611	\$ 359,713	\$ 483,593	\$ 811,357	\$ 571,215
TOTAL PHASE I FEE								\$	4,263,649



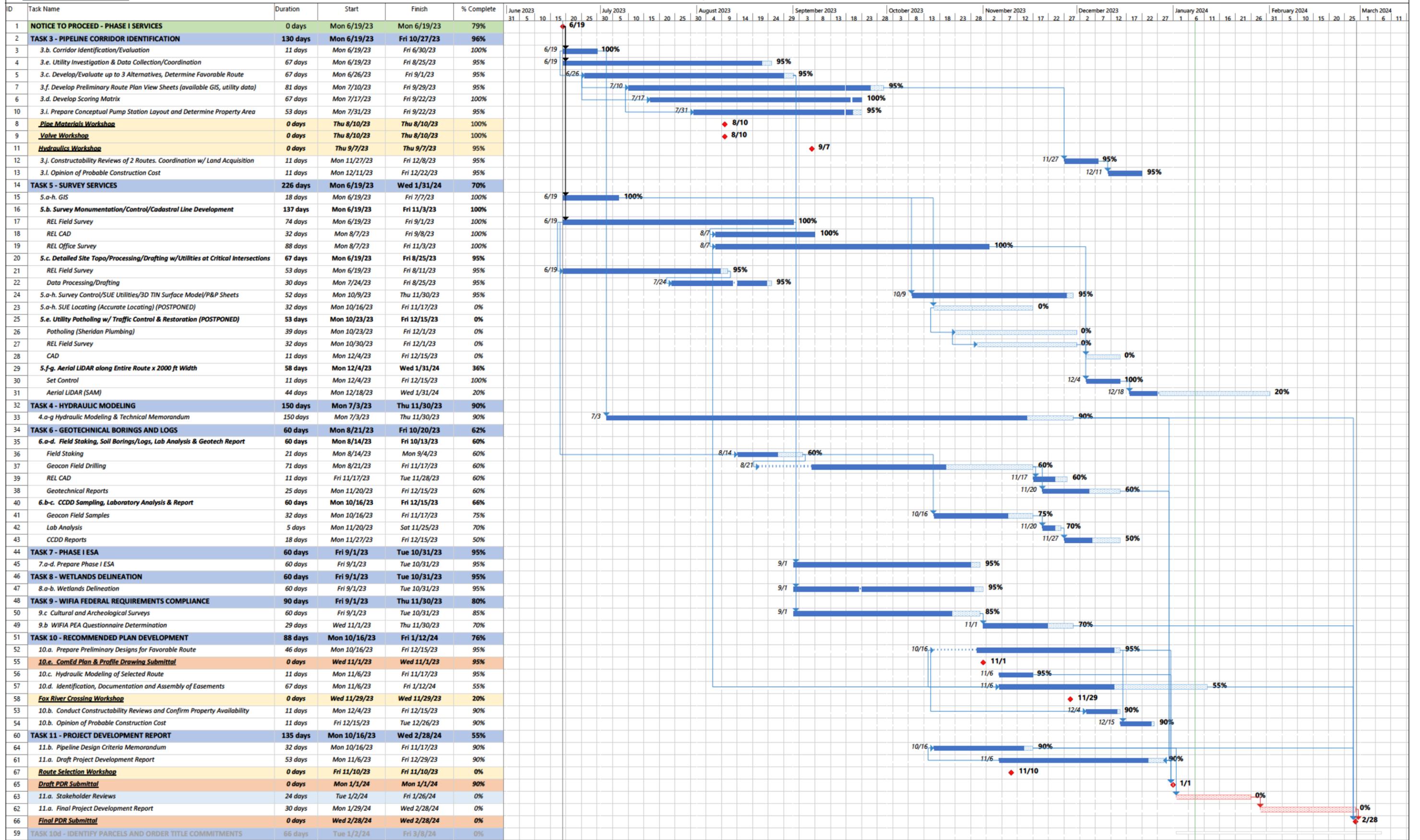
-  SYSTEM CONNECTION POINT
-  COMED ROUTE



COMED ROUTE ALTERNATIVE OVERALL VIEW

DUPAGE WATER COMMISSION WATERLINK EXTENSION	12/14/2023	FIG. 1
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DuPage Water Commission
WaterLink Extension
Phase I Project Schedule



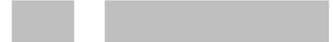
Critical Critical Progress Task Task Progress Milestone ◆



Resolution #: R-12-24

Account: 01-60-685600 \$50,000.00

Approvals: *Author / Manager / Finance / Admin*



REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution Authorizing the General Manager to Purchase Steel Pipe and Butt Straps from American Spiral Weld Pipe at a Cost Not to Exceed \$50,000.

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

The Commission maintains an inventory of spare steel pressure pipe intended for use as replacement in the event a pipe section has failed beyond repair. The inventory contains two sections of pipe for each pipe diameter maintained within the Commission's distributed system for individual sections of pipe that range in size from 20-inch to 90-inch in diameter.

The Commission also maintains an inventory of steel butt straps of various sizes. The steel butt straps are furnished in two halves that are assembled at the connecting point of two pipe ends at the repair area.

Repairs in recent years resulted in the Commission removing from its inventory, and incorporating into the work, one section of 24-inch diameter steel pipe and numerous sections of steel butt straps. Therefore, staff recommends replenishment of the spare pipe and butt strap inventory.

In accordance with Purchasing Procedures, staff solicited cost estimates for one section of 24-inch steel pipe and 37 steel butt straps of various sizes from two (2) steel pipe fabricators. The results are listed in the table below:

Company	Cost Proposal
American Spiral Weld Pipe Company	\$39,711.00
Northwest Pipe Company	\$67,288.00

Recommended Motion:

To approve Resolution No. R-12-24 and authorize the General Manager to procure steel pipe and butt straps from American Spiral Weld Pipe Company for a cost not to exceed \$50,000.

DuPAGE WATER COMMISSION

RESOLUTION NO. R-12-24

A RESOLUTION AUTHORIZING THE GENERAL MANAGER TO PURCHASE STEEL PIPE AND BUTT STRAPS FROM AMERICAN SPIRAL WELD PIPE COMPANY

WHEREAS, pursuant to Article VIII, Section 4 of the Commission's By-Laws, and as required by State Statute, the Commission solicited proposals to Furnish and Deliver one (1) section of 24-inch diameter steel pipe and 37 steel butt straps; and

WHEREAS, two proposals were received; and

WHEREAS, based upon representations made by staff, the Board of Commissioners of the DuPage Water Commission has determined that the proposal of American Spiral Weld Pipe Company is most favorable to the interests of the Commission;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO The DuPage Water Commission hereby authorizes the purchase of Steel Pipe and Butt Straps from American Spiral Weld Pipe Company, for the price set forth in Its Proposal, but not to exceed \$50,000.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-12-24docx



Resolution #: R-13-24

Account: 01-60-663300 \$11,793.05

Approvals: *Author / Manager / Finance / Admin*

REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution Approving and Ratifying an Amendment to Work Authorization Order No. 019 Under Quick Response Contract QR-12/21.

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

On April 20, 2023, the Commission approved Resolution R-18-23 authorizing the issuance of Work Authorization Order No. 019 to its Quick Response Contractor, Rossi Contractors, Inc., to proceed with the work described as the repair or in-kind replacement of pipe couplings on each 16-inch diameter effluent pipes located within six (6) separate and discreet meter stations at an estimated cost of \$30,600.14.

During the repair process, significant corrosion and deterioration was found on the existing pipe couplings. The contractor recommended and staff concurred, that rather than in-kind replacement, installation of higher quality couplings be installed utilizing fusion-bounded epoxy coatings to prevent corrosion and which are able to better deflect mis-aligned piping.

The original scope of work was extended, and the additional work began prior to Board ratification.

The cost of the upgraded couplings increased the estimated work by \$11,793.05, revising the project cost from \$30,600.14 to \$42,393.19.

Resolution No. R-13-24 would ratify the Amended Work Authorization Order No. 019 with Rossi Contractors, Inc. for an additional expense of \$11,793.05.

Recommended Motion:

To approve Resolution No. R-13-24.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-13-24

A RESOLUTION APPROVING AND RATIFYING AN AMENDMENT TO WORK AUTHORIZATION ORDER NO. 019 UNDER QUICK RESPONSE CONTRACT QR-12/21

WHEREAS, the DuPage Water Commission (“the Commission”) entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission’s Waterworks System (said being hereinafter collectively referred to as “Contract QR-12/21”);

WHEREAS, Contract QR-12/21 is designed to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission’s Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the scope for quick response construction work could not have been reasonably foreseen at the time the contracts were signed;

WHEREAS, Work Authorization Order No. 019 was approved by the Board on April 20, 2023, with Rossi Contractors, Inc. to perform repairs to pipe coupling at six (6) meter stations; and

WHEREAS, upon commencement of the work, significant corrosion deterioration was found on the existing 16-inch diameter effluent pipes, resulting in a change to the repair approach; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are by this reference incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Amended Work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the ratified work Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-13-24docx



Resolution #: R-14-24

Account: 01-60-663100 \$39,636.12

Approvals: *Author / Manager / Finance / Admin*

REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution Approving and Ratifying an Amendment to Work Authorization Order No. 020 Under Quick Response Contract QR-12/21.

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

On June 15, 2023, the Commission approved the Resolution R-31-23 authorizing the issuance of Work Authorization Order No. 020 to its Quick Response Contractor, Rossi Contractors, Inc., to proceed with the work described as the repair of Commission manhole structures. The repairs included breaking surface pavement, removing pavement base, excavating existing frames and adjustment rings; resetting, replacing, or installing new adjustment rings, frames, lids, restoring pavement base and surface paving to the satisfaction of the authority having jurisdiction, at a cost estimated at \$105,610.

REVISIONS to Work Authorization Order No. 020.

During the excavation of roadways, some structural damage was found which subsequently impacted the extension and complexity of planned work, including replacement of manhole structure components. The original scope of work was extended, and to expedite the completion of the work and restoration of traffic, the additional work began prior to Board ratification.

The cost of work increased by \$39,636.12, increasing the project cost from \$105,610.00 to \$145,246.12. As a result of the increased project cost, staff suspended the remaining work which will be rebid under a separate work order authorization for future board consideration.

Resolution No. R-14-24 would ratify the amended Work Authorization Order No. 020 with Rossi Contractors, Inc. for the additional expense of \$39,636.12.

Recommended Motion: To approve Resolution No. R-14-24.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-14-24

A RESOLUTION APPROVING AND RATIFYING AN AMENDMENT TO WORK AUTHORIZATION ORDER NO. 020 UNDER QUICK RESPONSE CONTRACT QR-12/21

WHEREAS, the DuPage Water Commission (“the Commission”) entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission’s Waterworks System (said being hereinafter collectively referred to as “Contract QR-12/21”);

WHEREAS, Contract QR-12/21 is designed to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission’s Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the scope for quick response construction work could not have been reasonably foreseen at the time the contracts were signed;

WHEREAS, Work Authorization Order No. 020 was approved by the Board on June 15, 2023, with Rossi Contractors, Inc. to perform repairs to manhole structures; and

WHEREAS, upon commencement of the work, significant structural deterioration was found on existing manholes; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are by this reference incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Amended Work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the ratified work Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-14-24docx



Resolution #: R-15-24

Account: 01-60-751200

Approvals: Author / Manager / Finance / Admin



REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-12/21 to Rossi Contractors, Inc.

Agenda Section: Engineering & Construction

Originating Department: Engineering

The DuPage Water Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work, as needed, through the issuance of Work Authorization Orders. Resolution No. R-15-24 would approve the following Work Authorization Order under the Quick Response Contracts.

Work Authorization Order No. 024 to Rossi Contractors, Inc.

During the annual 2021 Closed Interval Survey, the Commission found that the 72" diameter Inner Belt Transmission Main (Contract TIB-01/03) was receiving inadequate cathodic protection according to the Association for Materials Protection and Performance (AMPP) standards. The Commission has completed engineering design to install new anode systems, including multiple wells of 48lb packaged magnesium anodes, at various locations across the Inner Belt Transmission Main to mitigate corrosion. Staff recently solicited cost estimates for this work from the three QR-12/21 contractors and the results are listed in the table below:

Rossi Contractors, Inc.	\$249,732
Benchmark Construction Co., Inc.	\$329,750
John Neri Construction Co., Inc.	\$590,900

The estimate of Rossi Contractors, Inc. was found to be in the best interest of the Commission. Approval of Resolution R-15-24 would approve Work Authorization Order Number 024 to Rossi Contractors, Inc. for the work necessary to install new galvanic anode beds at various locations across the 72" diameter Inner Belt Transmission Main. The estimated cost of this work is expected to be \$300,000, which includes the estimated cost of construction as well as a 20% contingency to account only for field changes as deemed necessary by Commission Staff.

Recommended Motion:

To adopt Resolution No. R-15-24.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-15-24

A RESOLUTION APPROVING AND RATIFYING CERTAIN WORK AUTHORIZATION ORDERS UNDER QUICK RESPONSE CONTRACT QR-12/21 TO ROSSI CONTRACTORS, INC.

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Benchmark Construction Co., Inc., and Rossi Contractors, Inc. for quick response construction work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract QR-12/21"); and

WHEREAS, Contract QR-12/21 is designed to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the need for quick response construction work could not have been reasonably foreseen at the time the contracts were signed;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

WHEREAS, the Commission further desires to obtain under the consulting agreement, and Consultant further desire to provide under the consulting agreement, consulting services in connection with information technology systems;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the Work Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are germane to the original contracts as signed, and/or the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-15-24.docx

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 8

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.024

LOCATION:

Various locations across the TIB-01/03 transmission main as according to contract plans TIB-02/23 in attachment.

CONTRACTOR:

Rossi Contractors, Inc.

DESCRIPTION OF WORK:

The DuPage Water Commission (the Commission) maintains approximately 2 miles of 72" diameter transmission main (Contract TIB-01/03) located in DuPage County, Illinois. The transmission main is steel cylinder pipe. The Project shall include installing reference electrode/coupon assemblies and new anodes columns with 48lb packaged Ultramag Magnesium Anodes at 9 locations on TIB-01/03. The coupon assemblies and anodes should be installed in conformance with the Contract Drawings (TIB-02/23) in attachment.

- a) The exact locations of the Work are depicted in the Contract Drawings. The approximate depths of the excavations are delineated in the Contract Drawings. The depths of excavation are subject to vary.
- b) No work shall be performed without the presence of the Owner. At the discretion of the Owner, specific aspects of the project may not be performed without the presence of the Engineer. The Resident Engineer for this project is DeLasCasas CP, LLC, of 111 Ambassador Ave, Romeoville, Illinois, 60446, USA.
- c) The Contractor will be responsible for determining the locations of all underground utilities and shall comply with the Illinois Underground Utility Facilities Damage Prevention Act. The Contractor shall contact the One-Call Notice Systems, commonly referred to as J.U.L.I.E. or D.I.G.G.E.R by telephoning 811 or 1-312-744-7000 at least 48 hours prior to excavation.

REASON FOR WORK:

During the annual 2021 Closed Interval Survey, DuPage Water Commission found that the 72" diameter steel transmission main (Contract TIB-01/03) was receiving inadequate cathodic protection as according to the Association for Materials Protection and Performance (AMPP) standards. The Commission would like to install new coupon test stations and anode columns to help monitor and mitigate corrosion on the pipelines.

MINIMUM RESPONSE TIME:

The project is to be completed by April, 30th, 2024.

COMMISSION-SUPPLIED MATERIALS, EQUIPMENT AND SUPPLIES TO BE INCORPORATED INTO THE WORK:

DWC will provide all anodes, cable, coupons, magnesium sacrificial anode backfill (75% gypsum, 20% bentonite, and 5% of sodium sulfate), the terminal boards in the handhole test stations and all associated parts, and all handhole structures as required. The contractor will be required to pick up anodes and backfill at DWC’s office at 600 E. Butterfield Rd, in Elmhurst, Illinois. The contractor shall provide PVC and directional boring materials.

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

Even though Contractor is required to independently assess the potentially hazardous conditions at its workplace on or in the vicinity of Owner’s facilities and appurtenances and take the necessary precautions to ensure a safe workplace pursuant to the Contract and Contractor’s legal obligations, Contractor is advised that it would be reasonable to assume that hazardous electrical voltage and current may be present at any time during the Services. Contractor must ensure that all personnel observe all appropriate safety precautions when working on or in the vicinity of Owner’s facilities and appurtenances, and shall:

- i. Independently verify the presence or absence of AC electrical current on or in the vicinity of Owner’s CP Test Facilities and its appurtenances and notify Owner and affected Contractor personnel accordingly. Owner shall instruct its employees to comply with the restrictions and prohibitions of Contractor’s energy control program and procedures.
- ii. Take immediate and necessary measures to protect all workers, Owner employees, and general public from hazardous electrical voltage and current.
- iii. Work with Owner’s personnel to control hazardous electrical voltages and current and control access to the locations where hazardous electrical voltages and currents are present.
- iv. Train and instruct Owner’s personnel on the safe electrical working practices to be employed between the time of temporary control measures being employed through and up to the time when permanent control measures are applied.

SUBMITTALS REQUESTED: NONE

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

See attached.

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: _____
Signature of Authorized
Representative

Safety Rep: _____
Name and 24-Hr Phone No.

DATE: _____

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

Supplemental Specifications:

1.0 COORDINATION AND CONTRACTOR REQUIREMENTS

1.1 Coordination and Meetings

I. Coordination

- a) Coordinate scheduling and Work of the various sections to assure efficient and orderly installation of all construction elements.
- b) Coordinate completion and cleanup of Work.
- c) Coordinate waste to be disposed of per applicable permits and jurisdictional agencies prior to commencing the deep anode ground bed drilling.

II. Preconstruction Conference

- a) The Owner will schedule a conference after Notice of Award. Required attendance includes:

- 1) Owner, Engineer, Contractor

- b) Agenda will include, but not be limited to:

- 1) Designation of contractual representing personnel

- 2) Protocol for the following:

- o Permitting
- o Field decisions
- o Applications for payment
- o Contract closeout

- 3) Scheduling

- 4) Traffic control plan and responsibility

III. Progress Meetings

- a) The Contractor shall schedule a Progress Meeting prior to completion of Work to establish a final punch list.

1.2 Notification Schedule

I. The Contractor shall contact the appropriate Highway Authority a minimum of 48 hours prior to the start of construction to arrange for Worksite inspections.

II. The Contractor shall contact Owner a minimum of 48 hours prior to the start of construction to arrange for Owner / Engineer's presence.

Note: No work shall be performed without the presence of the Engineer or Owner's representative.

2.0 QUALIFICATIONS, TESTING AND ACCEPTANCE

2.1 Quality Assurance / Control Testing

- I. The Engineer or Owner shall be on site during the installation of all corrosion components and will provide quality assurance for the Contractor during installation.
- II. All electrical test measurements shall be completed by the Engineer or Owner.

2.2 Acceptance Tests

- I. All acceptance tests will be performed by the Engineer or Owner.
- II. All components and equipment will be in operating order and within the manufacturer's operating specifications.
- III. The following tests, at a minimum, shall be performed by the Owner or Engineer to confirm proper installation and operation. Anodes shall not be buried until to following measurements are taken:
 - a) Prior to burial of cable-to-structure connections, conduct tests to verify the connection of the test cable to the structure.
 - b) Measure the resistance of any completed splice in the anode or pipe cable.
 - c) Measure the potential of each galvanic anode with respect to a Cu/CuSO₄ reference. Verify all test procedures with the Engineer.
 - d) Verify the leads remain connected to the anodes during the remainder of construction.

3.0 TRAFFIC CONTROL AND PROTECTION

3.1 General

- I. The Contractor is responsible for determining and contacting the proper highway authority or unit of local government having jurisdiction over each Work Site and shall comply in all respects with that entity's traffic control and protection plans, specifications, and requirements. The Contractor shall provide the Owner with the name and 24-hour contact information for the Contractor's traffic control representative.

3.2 Illinois Department of Transportation Requirements

- I. All Work within IDOT right-of-way shall conform to the permit obtained by the Owner/Contractor.
 - a) The Contractor shall obtain prior approval from IDOT for any work not contained in the permit drawings.
- II. All restoration shall be to the satisfaction of IDOT.
- III. No living trees shall be removed from the State right of way without written permission from the Department.
- IV. All seeded areas must be covered with an excelsior blanket as specified.

4.0 INSTALLATION REQUIREMENTS

4.1 Magnesium Anode Beds

- I. Installation
 - a) The anodes installation shall be completed as indicated on the Contract Drawings.
 - b) Remove the plastic bag that comes with each anode.
 - c) Engineer shall verify the anode to cable connection and anode material

measuring anode's open circuit potential using a reference cell in contact with a wet spot at the cloth bag that comes with the anode and anode backfill.

I. Anodes with open circuit potential less negative than -1650 mV DC respect to copper-copper sulfate will not be accepted for installation.

- d) Do not pour water on the anodes location while the anodes are being installed.
- e) Under no circumstances shall strain be placed upon the anode cables.
- f) Backfill around the anodes and between anodes with suitable excavated material as listed in the Contract Drawings. Restore site as specified and with appropriate, approved materials as listed in the Contract Drawings.
- g) The Contractor shall conform to all state and local regulations. Contractor shall obtain all required permits and applications for the performance of work.
- h) Contractor shall ensure all components required for installation of ground beds are onsite before commencing installation.
- i) Anodes shall not be installed in rock formations.
- j) Dispose of all spoils, cuttings, and drilling fluids.
- k) Control all water used or produced during the installation process.
- l) All anodes shall be installed in the presence of the Owner or Engineer.

4.2 Anode Cables

I. Black #6 AWG stranded copper cable with HMWPE insulation shall come with the anodes to be used for connections at the test stations.

II. Installation between anode locations and existing test stations

- a) Direct burial cable shall be installed to a minimum depth of 36 inches.
- b) All cables shall be installed in a continuous length. No in-line splices are allowed.
- c) All anode cables shall be installed in the presence of Owner representative.
- d) Anode cables shall be installed as shown on the Contract Drawings and in the manner indicated.

4.3 Stationary Reference Cell/ Coupon Assembly

I. Installation

- a) Remove the protective label covering the steel coupons.
- b) Remove the red stickers covering the sensing ports.
- c) Clean the coupon surfaces with alcohol to remove the corrosion inhibitor.
- d) Place the coupon assembly, following the installation drawings and space availability based on locations of foreign structures.

4.4 Backfill

I. Backfill material shall be the following:

- a) Use backfills for hole per Contract Drawings or use:
 - o Native soil, pulverized dirt, or equivalent with no sharp rocks or other objects that could damage the anode cloth bag or the cables isolation coating.
 - o Do not use granular backfill material consisting of crushed gravel around or between anodes.
 - o Suitable excavated material from the trench

II. A water truck and a truck with clean dirt shall be made available at the end of

each week of the project. All areas restored during the preceding week shall be thoroughly soaked until water begins to pool at-grade. Any areas settling below-grade shall have dirt added to the hole and compacted until flush with the surrounding grade elevations. The water truck and truck with clean dirt shall return to the sites for a final round of restoration at the end of the project, and once more upon request, approximately 3 months after the project has been completed to restore all areas to proper grade.

5.0 CLEAN-UP

- I. Initial restoration shall be completed at each site upon completion of the work. No excavation shall be left open/unprotected overnight or while the site is unsupervised. Initial restoration shall be made in accordance with project details and shall include backfill up to grade with excavation spoils unless otherwise approved.
- II. Final restoration shall be completed no more than 25 business days after initial restoration and may be completed concurrently at multiple sites.
- III. The Contractor shall always maintain a clean work area. The work area shall be free of rubbish and surplus or waste material.
- IV. The Contractor shall properly dispose of any unused excavation material.
- V. The Contractor shall be responsible for leaving all areas equal to the condition which existed before the Work began. This includes furnishing all labor and materials to replace or restore any of the following: surface materials, drainage ditches, culverts, paving, curbing, sidewalks, roads, driveways shrubbery, fences, sod, hedges, street signs, and other similar improvements.

6.0 RESTORATION OF VEGETATION

- I. All disturbed grass areas shall be restored according to the following.
 - a) All excavations shall be properly backfilled and compacted to minimize future settlement.
 - b) A minimum three-inch (3") layer of delivered screened rich dark pulverized topsoil will be placed above the properly backfilled and compacted excavation.
 - c) Topsoil will be free of roots, sticks, weeds, brush, stones, or other litter and waste products.
 - d) All disturbed grass areas will be seeded unless specified differently on the Drawings. Use a seed mixture applicable to the disturbed area per the Contract Drawings.
- II. The Contractor shall replace all existing plants removed or damaged.
 - a) The Contractor is responsible for all plant care during the period of establishment for replaced plants and shall comply with all requirements of the Authority Having Jurisdiction.
 - b) Plants that do not meet the requirements for acceptance will be replaced by the Contractor at their expense and carry the same guarantee.
 - c) Restoration of trees shall be of the same species, variety, balanced appearance, and size.
 - d) Restoration of shrubs, small trees, or evergreens will be of the same species, variety, balanced appearance, and size, either height or width.
- III. Any of the above items neglected by the Contractor will be handled by the Owner. The Owner may deduct the cost of such work from any monies due the Contractor or recover the cost from Contractor.

Supplemental Drawings:

Attached on next page.



Resolution #: R-18-24

Account: [Click or tap here to enter text.](#)

Approvals: *Author / Manager / Finance / Admin*

REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution Awarding Quick Response Electrical Contracts QRE-10/24

Agenda Section: Engineering & Construction

Originating Department: Administration

The Commission entered into nine (9) previous agreements over the previous twenty-two (22) years with various electrical contractors for Quick Response Electrical (QRE) work as needed at DuPage Water Commission facilities through the issuance of Work Authorization Orders. Staff desires to continue to retain stand-by contractors to perform electrical work that the Commission is unable to perform through its own personnel and with its own equipment.

The Commission advertised bids for Contract QRE-10/24 on two separate occasions as required by state statute, sent out direct invitations to several previous QRE contractors, a posting request on the Electrical Contractors Association of Chicago message board, and a posted a notice on the Commission's website. The Commission also held a pre-bid conference to review the detailed requirements for submission of bids. Three (3) firms requested bid documents of which all were present at the non-mandatory pre-bid conference.

Sealed bids were received until 1:00 p.m., local time, January 31, 2024, at which time all bids were publicly opened and read aloud.

Due to the indeterminate need for and uncertain scope of work under the contract, bidders submitted proposals based upon the following categories plus their percentage of markups plus annual insurance and surety bond premiums:

- A. For labor, prevailing rate of wages/union contract wage rate plus ___%
- B. For Material and Supplies used, invoice cost plus ___%
- C. For Owned and Rented Equipment used, Bluebook price plus ___%
- D. For Priority Emergency Work, additional ___% on the sum of items A, B and C
- E. For Insurance and Bonds, \$_____ per year.

The bid tabulations are as below; showing corresponding percentages to the categories. Staff provided a four-year average of the Commission’s Quick Response Electrical costs for each of the categories so that potential bidders may develop their interest and their bids accordingly.

BIDDER	A	B	C	D	E	Theoretical Annual Project Costs (based upon a four-year average expense)
Homestead Electrical Contracting, LLC	35%	15%	10%	12%	\$10,000.00	\$164,874.00
McWilliams Electric Co. Inc.	26%	10%	5%	6%	\$1,000.00	\$145,212.00
Volt Electric, Inc.	27%	9%	6%	6%	\$970.00	\$145,866.20

In order to receive the best pricing available to the serve the best interests of the Commission, staff is recommending that the proposals of Homestead, McWilliams, and Volt be accepted for a contract term of two (2) years with the option to renew for an additional one (1) year if all parties agree.

This action would allow the General Manager to solicit prices from the three (3) bidders, present proposals to the Board of Commissioners for action, and enter into Quick Response Electric Contracts with and authorize payment of the Bonds and Insurance premiums at the time of each firm’s first Work Authorization Order.

Recommended Motion:

To adopt Resolution No. R-18-24

DUPAGE WATER COMMISSION

RESOLUTION NO. R-18-24

A RESOLUTION AWARDING QUICK RESPONSE
ELECTRICAL CONTRACTS QRE-10/24

WHEREAS, pursuant to Article VIII, Section 5 of the Commission's By-Laws, the DuPage Water Commission (the "Commission") invited proposals for quick response electrical work related to the Commission's Waterworks System; and

WHEREAS, said bid proposals were required to be in compliance with the Commission's "Contract Documents" comprising Quick Response Contract QRE-10/24; and

WHEREAS, the Commission received Three conforming bids and reserved the right to award a contract for the Commission's Quick Response Contract QRE-10/24 to one or more bidders; and

WHEREAS, the Commission has reviewed the proposals received and determined that the proposal of Homestead Electrical Contracting, LLC and the proposal of McWilliams Electric Co. Inc., and the proposal of Volt Electric, Inc. comply with all applicable requirements of Article VIII of the Commission's By-Laws, are fully in compliance with requirements of the Commission's request for proposals and are deemed to be the most favorable to the interests of the Commission;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein as findings of the DuPage Water Commission.

SECTION TWO: The DuPage Water Commission hereby awards a contract for the DuPage Water Commission Quick Response Contract QRE-10/24 to Homestead Electrical Contracting, LLC, McWilliams

Electric Co. Inc., and Volt Electric, Inc. conditioned upon the receipt of all contractually required documentation.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

Quick Response Electrical Contract
QRE-10/24 Bid Tabulation

HOMESTEAD				
	4 Yr Avrg T&M Cost	Bid Markup		Amount
<u>Non-Emergency Work</u>				
Labor	\$75,000.00	A	35%	\$101,250.00
Non-DWC Supplied Matl, Equip & Supplies	\$20,000.00	B	15%	\$23,000.00
Owned & Rented Equipment	\$6,000.00	C	10%	\$6,600.00
Total				\$130,850.00
<u>Emergency Work</u>				
Labor	\$10,000.00	A	35%	\$13,500.00
Non-DWC Supplied Matl, Equip & Supplies	\$5,000.00	B	15%	\$5,750.00
Owned & Rented Equipment	\$2,000.00	C	10%	\$2,200.00
Sub Total				\$21,450.00
Priority Emergency Multiplier		D	12%	\$2,574.00
Total				\$24,024.00
<u>Insurance and Bonds</u>				
Insurance and Bonds for 1 year		E	\$10,000.00	\$10,000.00
Total Theoretical Projects for One Year				\$164,874.00

MCWILLIAMS				
	4 Yr Avrg T&M Cost	Bid Markup		Amount
<u>Non-Emergency Work</u>				
Labor	\$75,000.00	A	26%	\$94,500.00
Non-DWC Supplied Matl, Equip & Supplies	\$20,000.00	B	10%	\$22,000.00
Owned & Rented Equipment	\$6,000.00	C	5%	\$6,300.00
Total				\$122,800.00
<u>Emergency Work</u>				
Labor	\$10,000.00	A	26%	\$12,600.00
Non-DWC Supplied Matl, Equip & Supplies	\$5,000.00	B	10%	\$5,500.00
Owned & Rented Equipment	\$2,000.00	C	5%	\$2,100.00
Sub Total				\$20,200.00
Priority Emergency Multiplier		D	6%	\$1,212.00
Total				\$21,412.00
<u>Insurance and Bonds</u>				
Insurance and Bonds for 1 year		E	\$1,000.00	\$1,000.00
Total Theoretical Projects for One Year				\$145,212.00

VOLT				
	4 Yr Avrg T&M Cost	Bid Markup		Amount
<u>Non-Emergency Work</u>				
Labor	\$75,000.00	A	27%	\$95,250.00
Non-DWC Supplied Matl, Equip & Supplies	\$20,000.00	B	9%	\$21,800.00
Owned & Rented Equipment	\$6,000.00	C	6%	\$6,360.00
Total				\$123,410.00
<u>Emergency Work</u>				
Labor	\$10,000.00	A	27%	\$12,700.00
Non-DWC Supplied Matl, Equip & Supplies	\$5,000.00	B	9%	\$5,450.00
Owned & Rented Equipment	\$2,000.00	C	6%	\$2,120.00
Sub Total				\$20,270.00
Priority Emergency Multiplier		D	6%	\$1,216.20
Total				\$21,486.20
<u>Insurance and Bonds</u>				
Insurance and Bonds for 1 year		E	\$970.00	\$970.00
Total Theoretical Projects for One Year				\$145,866.20

**Quick Response Electrical Contract
QRE-10/24**

	Labor "A"	Material "B"	Equipment "C"	Priority Emergency Work "D"	Insurance & Bonds "E"	Theoretical Annual Project Costs	% Jobs Subbed Out
Homestead Electrical Contracting, LLC	35.0%	15.0%	10.0%	12.0%	\$10,000.00	\$164,874.00	10%
McWilliams Electric Co., Inc.	26.0%	10.0%	5.0%	6.0%	\$1,000.00	\$145,212.00	5%
Volt Electric, Inc.	27.0%	9.0%	6.0%	6.0%	\$970.00	\$145,866.20	5%

Note:
The Theoretical Annual Project Costs column uses the same base amounts and marked up using the actual bid percentages. See Bid Calculations Tab.



Resolution #: R-19-24

Account: 10-60-772500

Approvals: *Author / Manager / Finance / Admin*



REQUEST FOR BOARD ACTION

Date: 2/6/2024

Description: **Recommendation to authorize the First Amendment to Master Services Agreement Task Order #3 with Carollo Engineering, Inc, for Alternative Source Water Project professional engineering services**

Agenda Section: Engineering & Construction

Originating Department: Administration

An Alternative Source Water Study was completed in April 2023 at which time a presentation was made to the DWC Board of Commissioners. The report indicated that it is technically feasible and financially viable to construct a new source water system which would be owned and operated by DWC and potentially include other suburban partners. The initial study identified the “North” route as likely most preferable and recommended that following activities include engagement with other regional water wholesalers to determine if a partnership would be possible; through which the source water infrastructure could be expanded to include other suburban water agencies. A partnership/expansion would increase the scale of the project, but the cost would be shared by more consumers, likely resulting in lower water rates when compared with DWC acting alone.

DWC therefore began engaging the Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC), and both agencies expressed a desire to participate in further consideration of a source water project. DWC then directed consulting engineering firm, Carollo Inc, to update the report to evaluate the “North” route to identify impacts of a larger regional system. The draft update report has been completed, and a draft financial validation study and strategy document has been prepared by Raftelis, Inc.

Since the completion of the updated “North” route update report, the Northwest Water Commission has elected not to further participate in consideration due to limited financial benefit. Therefore, it is necessary to perform a follow-up revision to the report without the flow to NWC included. This refinement will include revision of the design capacity for the tunnel, pipeline, and Water Treatment Plant for a reduced capacity system, which will impact associated construction cost estimates

accordingly. It is expected that the report can be prepared within two months, at which time the results will be evaluated for financial/rate impacts and presented to the DWC Board.

Recommended Motion:

It is recommended that First Amendment to Task Order #3 under the existing Master Services Agreement with Carollo Engineers, be authorized for professional engineering services associated with validation of the Alternative Source Water Project, in an additional amount of \$18,079, for a total amount not to exceed \$68,079.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-19-24

A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 3
UNDER A MASTER CONTRACT WITH CAROLLO ENGINEERING, INC.

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with Carollo Engineers, Inc. (the “Consultant”) to provide, from time to time, professional engineering services in connection with various projects of the Commission (the “Master Contract”); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, pursuant to Resolution No. R-58-23, the Commission approved Task Order No. 3 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 3 to the Master Contract to add to the scope of work for updating the Alternative Source Water Report to evaluate refined water supply volumes and associates Water Treatment Plant and pipeline/tunnel sizes, and to increase the not-to-exceed cost of the services, the Board of Commissioners of the DuPage Water Commission hereby finding and determining, based upon the representations of staff and consultant that the circumstances said to necessitate the changes were not reasonably foreseeable at the time Task Order No. 3 was signed, the changes are germane to the Task Order as signed, and/or the changes are in the best interest of the DuPage Water Commission and authorized by law; and

WHEREAS, the Consultant has approved the First Amendment to Task Order No. 3 attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The First Amendment of Task Order No. 3 attached hereto as Exhibit 1 shall be and hereby is approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of Staff and the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed, the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-20-24.docx

EXHIBIT 1

FIRST AMMENDMENT to TASK ORDER NO. 3
DUPAGE WATER COMMISSION
(OWNER)
AND
CAROLLO ENGINEERS, INC.

This Task Order is issued by the OWNER and accepted by ENGINEER pursuant to the mutual promises, covenants and conditions contained in the Agreement between the above-named parties dated the 17th day of October, 2023; and amended on February 15, 2024, in connection with:

The Alternative Water Supply System Study
(Project)

PURPOSE

The purpose of this Task Order is to amend Task Order 3 to include additional engineering services associated with the preliminary evaluations of the Alternative Water Supply System Study. Scope items have been added according to the ENGINEER's Services listed below.

ENGINEER'S SERVICES

The ENGINEER's services consist of the following tasks:

- Prepare for and attend one virtual demand projection workshop.
- Update the water treatment facility's basis of design and conceptual layout based on the results of the updated system sizing.
- Update the capital and O&M cost estimates for the alternative water supply system.
- Update the water unit cost projections based on the updated capital and O&M cost estimates.
- Prepare and submit TM 9 – Expanded Alternative Water Supply System (Resized).
- Prepare for and attend one virtual TM 9 review workshop.

TIME OF PERFORMANCE

The ENGINEER shall complete services within 60 calendar days from the authorization to proceed.

PAYMENT

Payment to the ENGINEER for services performed under this Task Order shall be based the ENGINEER's direct labor costs times a factor of 3.10 for all services rendered by principals and employees engaged directly on the Project plus an amount equal to the actual costs of all reimbursable expenses. The cost for the additional ENGINEER's services shall be \$18,079.90.

EFFECTIVE DATE

This Amendment to Task Order No.3 is effective as of the 15th day of February, 2024.

IN WITNESS WHEREOF, duly authorized representatives of the OWNER and of the ENGINEER have executed this Task Order No. 4 evidencing its issuance by OWNER and acceptance by ENGINEER.

CAROLLO ENGINEERS, INC.

OWNER

Accepted this 15th day of February, 2024

By: _____
Lindsey Busch
Associate Vice President

By: _____
Officer

	A	B	C	D	E	F	G
1	Staff	Matt Sokolowski	Len Rago	Mike Morris	Jennifer Ivey	Patrick Carlson	Document Processor
2	Direct Labor Rate	\$62.50	\$75.50	\$100.00	\$100.00	\$100.00	\$29.00
3	Billing Rate (w/ 3.1 Multiplier)	\$193.75	\$234.05	\$310.00	\$310.00	\$310.00	\$89.90
4	Task	Budget Hours					
5	Prepare for and attend virtual demand projection workshop	4	4	4	0	0	0
6	Update WTP basis of design and layout	8	2	0	0	2	0
7	Update capital and O&M cost estimate	4	2	2	0	0	0
8	Update water unit cost projections	4	0	0	4	0	0
9	Prepare TM 9 (update of TM 8 for resized system)	8	2	2	0	0	8
10	Prepare for an attend virtual TM 9 review workshop	4	4	4	4	0	0
11							
12	Total Hours	32	14	12	8	2	8
13	Subtotal Cost (Labor + PECE)	\$18,079.90					
14							
15	Previous Remaining Budget (from January 2024 invoice)	\$	35,474.66				
16	Current Unbilled Carollo Fee	\$	12,750.81				
17	Outstanding Brierley Subcontract (pending billings)	\$	18,558.74				
18	Remaining Carollo Budget (Line 15 less Line 16 and 17)	\$	4,165.11				
19	TO No. 4 Amount (Line 13 less Line 18)	\$	13,914.79				



Resolution #: R-20-24

Account: 01-80-850001

Approvals: *Author / Manager / Finance / Admin*



REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: **A Resolution Approving a First Amendment to Task Order No. 18 Under a Master Contract with AECOM Technical Services, Inc.**

Agenda Section: Engineering & Construction

Originating Department: Engineering

In 2021, the DuPage Water Commission entered into an Intergovernmental Agreement (IGA) with the Village of Lombard (R-51-21) for the purpose of designing and constructing a 5th connection point to their water distribution network. To complete the necessary analysis and design for this work, the Commission approved Task Order No. 18 under a Master Contract with AECOM Technical Services, Inc. (R-52-21) in the amount of \$104,920 after soliciting proposals from ten engineering firms. The approved scope of work included the design and bidding services on behalf of the Commission.

Unfortunately, the proposed Lombard development surrounding the planned connection site stalled and the work did not progress into the design phase as planned. Recently, however, the Village of Lombard contacted Commission staff to indicate that they are scheduled to purchase the necessary portion of the property and intend to continue with design and construction of the work, despite the status of the development project. In coordinating this effort with AECOM, it has been determined that additional costs will be generated due to the prolonged delay for items such as additional hydraulic analysis and consultant/subconsultant cost increases. Approval of Resolution R-20-24 would result in additional costs in the amount of \$17,700, which will increase the not-to-exceed cost for Task Order No. 18 to \$122,620. If approved, Resolution No. R-20-24 will become the First Amendment to Task Order No. 18 for additional design and bidding services.

In accordance with the IGA, the Village of Lombard is responsible for all costs associated with this project. They will be required to deposit 125% of anticipated costs in an escrow account and all incurred costs will be deducted from said account for payment to AECOM. Any funds remaining upon completion of the work will be returned to the Village of Lombard.

Recommended Motion:

To adopt Resolution No. R-20-24.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-20-24

A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 18
UNDER A MASTER CONTRACT WITH AECOM TECHNICAL SERVICES, INC.

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with AECOM Technical Services, Inc. (the “Consultant”) to provide, from time to time, professional engineering services in connection with various projects of the Commission (the “Master Contract”); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, pursuant to Resolution No. R-52-21, the Commission approved Task Order No. 18 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 18 to the Master Contract to add to the scope of work for updated hydraulic modeling and to account for pricing increases and to increase the not-to-exceed cost of the services, the Board of Commissioners of the DuPage Water Commission hereby finding and determining, based upon the representations of staff and consultant that the circumstances said to necessitate the changes were not reasonably foreseeable at the time Task Order No. 18 was signed, the changes are germane to the Task Order as signed, and/or the changes are in the best interest of the DuPage Water Commission and authorized by law; and

WHEREAS, the Consultant has approved the First Amendment to Task Order No. 18 attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The First Amendment of Task Order No. 18 attached hereto as Exhibit 1 shall be and hereby is approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of Staff and the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed, the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-20-24.docx

EXHIBIT 1

FIRST AMENDMENT TO TASK ORDER NO. 18

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and AECOM Technical Services, Inc. (“Consultant”), for Professional Engineering Services dated October 14, 2021 (the “Contract”), Owner and Consultant agree to amend, effective February 16th, 2024, Task Order No. 18 for as follows:

1. **Services of Consultant:**

Section 2 entitled “Services of Consultant” of Task Order No. 18 shall be replaced in its entirety as follows:

“A. Basic Services:

1. Preliminary Design Phase
 - a. Meet with Owner and the Village of Lombard to determine the general scope, extent and character of the Project.
 - b. Perform soil borings along the proposed feeder main route and the Joint Facility site.
 - c. Provide field surveying services to the plot feeder main, permanent metering station and connection facilities easements; plot temporary construction easements; plot permanent site access easements; and provide legal descriptions of each for DWC to incorporate into various agreements with 3rd parties.
 - d. Conduct additional hydraulic modeling to include the projected demands of the Villages of Montgomery, Oswego and Yorkville to identify the resulting flow conditions and to update the previous hydraulic modeling report accordingly.
 - e. Prepare preliminary design documents consisting of drawings, specifications, a written description of the Project and other documents appropriate for Project.
 - f. Furnish up to 7 paper copies of the Preliminary Design Documents and a .pdf file, together with Consultant’s revised opinion of probable Construction Cost of the Project, for review and approval by Owner, and review them with Owner. The opinion of probable construction costs shall delineate individual costs associated with:
 - 1) Connection to existing DWC transmission main and the feeder main up to the DWC Metering Station
 - 2) The DWC Metering Station
 - 3) The Lombard Pressure Adjusting Station and connection to the existing Lombard distribution system.
3. Final Design Phase
 - a. On basis of accepted Preliminary Design Documents and the revised opinion of probable Project Costs and Construction Cost of the Project, prepare, final drawings, and specifications for incorporation in the construction contract documents. Such drawings and specifications shall show the general scope, extent and character of the work to be furnished and performed by the construction contractor.

- b. Assist Owner by providing all required criteria, descriptions and design data and consulting with officials and Owner to obtain permits and to prepare other bidding/negotiation and construction contract documents.
 - c. Furnish up to 7 paper copies of the Final Design Documents and a .pdf file, together with Consultant’s revised opinion of probable Construction Cost of the Project, based upon the drawings and specifications and the other bidding/negotiation and construction contract documents, for review and approval by Owner, and review them in person with Owner.
4. Bidding or Negotiating Phase
- a. Assist Owner in advertising for and obtaining bids or negotiating proposals. Maintain a record of prospective bidders to whom bidding documents have been issued and attend pre-bid or negotiation conferences.
 - b. Issue addenda as appropriate and approved by Owner.
 - c. Consult with and advise Owner as to the acceptability of contractors, subcontractors, suppliers and other persons if such acceptability is required by the construction contract documents.
 - d. Consult with Owner as to acceptability of proposed substitute materials and equipment.
 - e. Attend bid openings, prepare bid or negotiation tabulation sheets, and assist Owner in evaluating bids or proposals and in assembling and awarding construction contracts.

B Additional Services:
None”

2. **Contract Price:**

Section 8, entitled “Contract Price” of Task Order No. 18 shall be amended in its entirety so that said Section 8 shall hereafter be and read as follows:

“8. Contract Price:

For providing, performing, and completing each phase of Services, an amount equal to Consultant’s Direct Labor Costs times the following factor set forth opposite each such phase, plus an amount equal to the actual costs of all Reimbursable Expenses, but not to exceed, in each phase of Services, the following not to exceed amount set forth opposite each such phase except as adjusted by a Change Order issued by a Change Order issued pursuant to Section 2.1 of the Contract.

<u>Phase</u>	<u>Direct Labor Cost Factor</u>	<u>Not to Exceed</u>
Joint Facilities		
Soil Borings	<u>2.82</u>	<u>\$6,000</u>
Surveying Services	<u>2.82</u>	<u>\$5,900</u>
Commission Connection Facilities		
Additional Hydraulic Modeling		<u>\$5,600</u>
Preliminary Design	<u>2.82</u>	<u>\$19396</u>
Final Design	<u>2.82</u>	<u>\$37,580</u>
Bidding Services	<u>2.82</u>	<u>\$3,444</u>

Village PAS Facilities		
Preliminary Design	<u>2.82</u>	<u>\$14,044</u>
Final Design	<u>2.82</u>	<u>\$27,212</u>
Bidding Services	<u>2.82</u>	<u>\$3,444</u>
Total:	<u>2.82</u>	<u>\$122,620</u>

The Effective Date of this Task Order is February 16, 2024.

DuPAGE WATER COMMISSION

By: _____

Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jeff Loster, PE
Title: Engineering Manager
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: loster@dpwc.org
Phone: 630-834-0100

AECOM Technical Services, INC.

By: _____

Chad Laucamp, P.E.

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

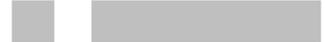
Name: Chad Laucamp, P.E.
Title: Project Manager
Address: 303 East Wacker Drive
E-mail Address: chad.laucamp@aecom.com
Phone: (312) 373-6759



Resolution #: R-21-24

Account: 01-60-663200

Approvals: Author / Manager / Finance / Admin



REQUEST FOR BOARD ACTION

Date: 2/8/2024

Description: A Resolution to Authorize the General Manager to Purchase Galvanic Anodes, Coupons, and Backfill for Upcoming Cathodic Protection Projects at a Cost Not to Exceed \$165,000.

Agenda Section: Engineering & Construction

Originating Department: Engineering

The DuPage Water Commission (Commission) has planned to enhance the longevity of its steel pipelines through the approved FY 2023/2024 Capital Improvement Plan. This year the Commission budgeted for the installation of a galvanic anode cathodic protection system on the 72" diameter Inner Belt Transmission Main (Contract TIB-01/03) and other areas throughout DuPage County.

In an effort to optimize costs and eliminate the customary 10% (or more) mark-up fee often associated with construction projects, the Commission is proactively taking control of the procurement process for essential materials needed for the new cathodic protection systems. Instead of relying on the contractor for material acquisition, the Commission seeks approval to order 460 Prepackaged Ultra High Potential Magnesium Anodes, 18 stationary reference cells/coupon assemblies, 5,000 feet of #6 HMWPE cable, and 325 bags of magnesium sacrificial anode backfill as required for these systems. This strategic approach ensures a direct and cost-efficient procurement process, aligning with the Commission's commitment to fiscal responsibility in the implementation of critical infrastructure projects.

In adherence to purchasing procedures, staff solicited cost estimates from three reputable cathodic protection material suppliers. The results are listed in the table below:

Company	Cost Proposal
Mesa Products	\$153,747.00
Farwest Corrosion Control	\$179,056.20
Corrpro Companies, Inc.	\$189,014.00

Staff is recommending approval of Resolution No. R-21-24 to authorize the General Manager to procure purchase galvanic anodes, coupons, cable, and backfill from Mesa Products at a cost not to exceed \$165,000, including freight charges.

Recommended Motion:

To approve Resolution No. R-21-24.

DuPAGE WATER COMMISSION

RESOLUTION NO. R-21-24

A RESOLUTION TO AUTHORIZE THE GENERAL MANAGER TO PURCHASE GALVANIC ANODES, COUPONS, AND BACKFILL FOR UPCOMING CATHODIC PROTECTION PROJECTS

WHEREAS, pursuant to Article VIII, Section 4 of the Commission's By-Laws, and as required by State Statute, the Commission solicited proposals to furnish 460 Prepackaged Ultra High Potential Magnesium Anodes, 18 stationary reference cells/coupon assemblies, 5,000 feet of #6 HMWPE cable, and 325 bags of magnesium sacrificial anode backfill; and

WHEREAS, three proposals were received; and

WHEREAS, based upon representations made by staff, the Board of Commissioners of the DuPage Water Commission has determined that the proposal of Mesa Products is most favorable to the interests of the Commission;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The DuPage Water Commission hereby approves the purchase of 460 Prepackaged Ultra High Potential Magnesium Anodes, 18 stationary reference cells/coupon assemblies, 5,000 feet of #6 HMWPE cable, and 325 bags of magnesium sacrificial anode backfill from Mesa Products for an estimated amount of \$165,000.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

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