



AGENDA – Engineering and Construction Committee

Thursday, September 21, 2023 6:00 PM

Committee Members

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

- I. Roll Call
- II. Approval of the August 17, 2023, Engineering & Construction Committee Minutes

RECOMMENDED MOTION: To approve the Minutes of the August 17, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Operations and Construction
- IV. **Resolution No. R-46-23:** A Resolution Approving and Ratifying Task Order No. 08 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed \$59,000.00)**
- V. **Resolution No. R-47-23:** A Resolution Approving and Ratifying Task Order No. 09 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed \$43,000.00)**
- VI. **Resolution No. R-52-23:** A Resolution Approving Exterior Standpipe Cleaning Services **(Jetco, LTD. – Not-To-Exceed \$26,350.00)**
- VII. **Resolution No. R-53-23:** A Resolution Approving a Fifth Amendment to Task Order No. 03 under a Master Contract with Greeley and Hansen **(Additional Cost Not-To-Exceed \$65,000.00)**

RECOMMENDED MOTION: To recommend approval of Items 2 through 5 of the Engineering and Construction Committee portion of the Commission Agenda.

- VIII. Other
- IX. Adjournment

Agendas\Engineering\2023\Eng2309.docx

**Minutes of a Meeting
of the**

ENGINEERING & CONSTRUCTION COMMITTEE

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

August 17, 2023

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

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

Committee members absent: J. Fennell

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Commissioner Saverino inquired the Committee if any other business or other items to be discussed. Hearing none, and with no other items coming before the Committee, Chairman Zay moved to adjourn the meeting at 6:30 P.M. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.



MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations
Mike Weed – Operations & Instrumentation Supervisor
Dariusz Panaszek – Pipeline & Remote Facilities Supervisor
Jessica Haney – Project Engineer
Denis Cuvalo – SCADA and Information Technology Supervisor

Date: 9/14/2023

Subject: Status of Operations and Construction

Operations Overview

The Commission's sales for the month of August 2023 were a total of 2.73 billion gallons. This represents an average daily demand of 87.9 million gallons per day (MGD), which is higher than the August 2022 average day demand of 83.7 MGD. The maximum day demand was 101.5 MGD recorded on August 23, 2023, which is higher than the August 2022 maximum day demand of 91.4 MGD. The minimum day flow was 76 MGD.

The Commission's recorded total precipitation for the month of August 2023 was 1.13 inches compared to 1.85 inches for August 2022. The level of Lake Michigan for August 2023 is 579.72 (Feet International Great Lakes Datum (IGLD) 1985) compared to 580.02 (Feet IGLD 1985) for August 2022.

Operations & Instrumentation Maintenance and Construction Overview

The DuPage Pump Station's High Lift Pump (HLP) and Motor rehabilitation program includes inspecting, cleaning, and repairing one pump and motor assembly annually. HLP #9 and Motor #9 were removed and sent to Midwest Service Center for cleaning and performing electromechanical checks and provision of a status report including documentation of necessary repairs. The cleaning and repair services are complete, delivery of the motor occurred on April 6th; reinstallation and assembly of both pump and motor are forthcoming.

The start-up of the newly installed water quality monitoring equipment throughout the distribution system is complete.

Annual Vibration Monitoring System inspection and testing for High Lift Pumps 1-9 was completed on September 7th.

Lexington Pump Station

AECOM Technical Services has submitted the final draft report of the Condition Assessment of the Lexington Pump Station's critical facilities. A copy of the report has been delivered to the Committee for review and discussion.

Alternate Water Source

in April 2023, the Board of Commissioners received a report and presentation from the engineering firm Carollo Inc., for various source water alternatives.

Potential partners, North Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC) have expressed interest in a regional project. Carollo has updated the technical memorandum (TM8) to include consideration regarding how additional partners would impact the route and scale of the proposed infrastructure. The updated Carollo TM8 memorandum has been received and is currently under third-party engineering review by Burns and McDonnell to validate the findings of the updated Carollo TM8 memorandum regarding the "North Route". R-50-23 appears on the Finance Committee agenda as Task Order No. 03 with Raftelis Financial Consultants to provide peer review of the updated TM8 and to prepare conceptual financing plans for the potential expansion of the alternative water source and partnering with NSMJAWA and NWC. A "North" route update presentation will be provided to the Board of Commissioners at the October 19, 2023 meeting.

Pipeline & Remote Facilities Maintenance Overview

Pipeline Staff continues Meter Station drainage improvements.

Remote Facilities Staff continue inspecting Meter Stations and performing maintenance work.

R-52-23 appears on the agenda seeking approval of Exterior Standpipe Cleaning Services by Jetco, Ltd., at a cost of \$26,350.00, as approved for in the FY-23/24 Management Budget.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The contractor has finished installing the masonry and precast panels and is beginning to install the steel deck and roofing for the building addition. They will also begin to paint the concrete masonry units installed.

CAT Power Systems have tentatively set late October to commence the upgrade of the Emergency Generation System Controls package as approved under a cooperative purchasing agreement with Omnia Partners. As this project is a design-build project, Staff is seeking authorization to amend Task Order No. 03 with Greeley and Hansen to provide Technical Observation and Project Management services to document the upgrade on behalf of the Commission. R-53-23 appears on the agenda to approve these additional services at an estimated cost not-to-exceed \$65,000.00.

R-46-23 appears on the agenda seeking approval of Task Order No. 08 with DeLasCasas CP, LLC. The task order would approve feasibility testing, design, and construction services for cathodic protection galvanic anode system to service the West Transmission Main (Contract TW-2) at an estimated not-to-exceed cost of \$59,000, as approved in the FY-23/24 Management Budget.

R-47-23 appears on the agenda seeking approval of Task Order No. 09 with DeLasCasas CP, LLC. The task order would allow DeLasCasas to examine the existing under-performing cathodic protection system and also perform feasibility testing for a new cathodic protection system for the South and Outer Belt Transmission Mains (Contract TS-3/88 and TOB-E/87) at an estimated not-to-exceed cost of \$43,000, as approved in the FY-23/24 Management Budget

WaterLink Communities (Montgomery/Oswego/Yorkville)

Phase I engineering continues rapid progress with data gathering, site surveying, topographical surveying and determining ownership and control of parcels along all potential alternative pipe routes. Staff and the LAN and Associates engineering team continue to actively engage stakeholders and affected state, county municipal and other private agencies along the potential routes. Several workshops regarding construction material and appurtenances have been held as well as hydraulic workshops to aide in the design of the pipeline network. The Engineer's monthly status report is included within the Board packet.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The Control Room remodel is nearing completion, the remaining work includes doorway lite glazing and a handful of miscellaneous punch list items. Furthermore, with the Control Room TV wall, there was an update with the AV system hardware which is now expected to be delivered in late September. The SCADA system programming continues to be developed and is on schedule with Concentric Integration's control system acceptance testing and installation plans. The SCADA system graphics and screen development is also making significant progress with a majority of the Lexington and DuPage Pump Station screens nearing final completion. Workshops are continuing in preparation for upcoming tasks such as the Access Control upgrade, the DPPS UPS installation, the campus fiber backbone replacement, and most

importantly the DWC campus control panel replacement. The project is progressing under budget and on schedule.

R-51-23 appears on the agenda seeking approval to suspend purchasing procedures and approve the renewal of the Unitrends data retention services for a three-year term as well as the purchase of a new Unitrends appliance at a cost of \$83,137.17, as approved in the FY-23/24 Management Budget.

September 2023 Commission Agenda Items:

- Resolution No. R-46-23:** A Resolution Approving and Ratifying Task Order No. 08 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed \$59,000.00)**
- Resolution No. R-47-23:** A Resolution Approving and Ratifying Task Order No. 09 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed \$43,000.00)**
- Resolution No. R-52-23:** A Resolution Approving Exterior Standpipe Cleaning Services **(Jetco, LTD. – Not-To-Exceed \$26,350.00)**
- Resolution No. R-53-23:** A Resolution Approving a Fifth Amendment to Task Order No. 03 under a Master Contract with Greeley and Hansen **(Additional Cost Not-To-Exceed \$65,000.00)**

Attachments

1. DuPage Laboratory Bench Sheets for July 2023
2. Water Sales Analysis 01-July-2018 to 30-July-2023
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Aug-23

PER DAY AVERAGE 78,143,524

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%	\$9,621,880.24	\$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%	\$11,154,663.83	\$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
TOTALS (1)	894,352,630,798	920,158,813,794	97.20%	\$2,200,183,406.64	\$1,944,795,562.25	864,816,103	0.09%	97.29%	\$2.46	\$2.114

(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

Aug-22	10,451,878,000	10,781,820,530	96.94%	54,140,728	46,116,119			\$5.18	\$4.277
Aug-23	10,722,183,000	10,996,937,804	97.50%	57,792,566	49,363,825			\$5.39	\$4.489
	270,305,000	215,117,274		\$3,651,838	\$3,247,706				
	2.6%	2.0%		6.7%	7.0%				

Month

Aug-22	2,688,224,000	2,772,533,130	96.96%	13,925,000	11,982,888			\$5.18	\$4.322
Aug-23	2,708,945,000	2,773,069,509	97.69%	14,601,214	12,586,963			\$5.39	\$4.539
	20,721,000	536,379		\$676,213	\$604,074				
	0.8%	0.0%		4.9%	5.0%				

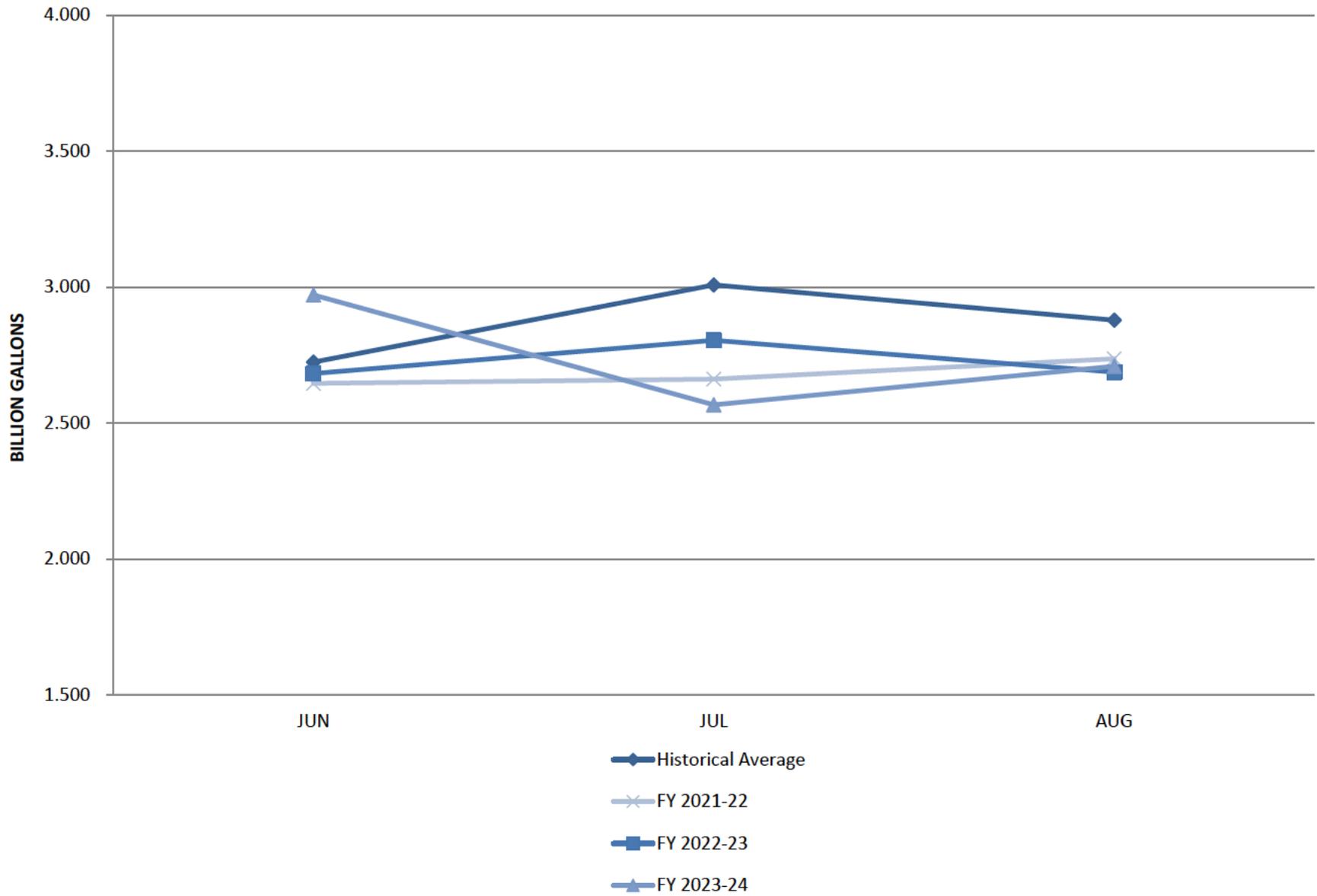
Aug>July 141,520,000 133,182,133 762,793 604,514

DUPAGE WATER COMMISSION
PWS FACILITY ID# - IL435400
MONTHLY OPERATIONS REPORT
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
AUGUST 2023

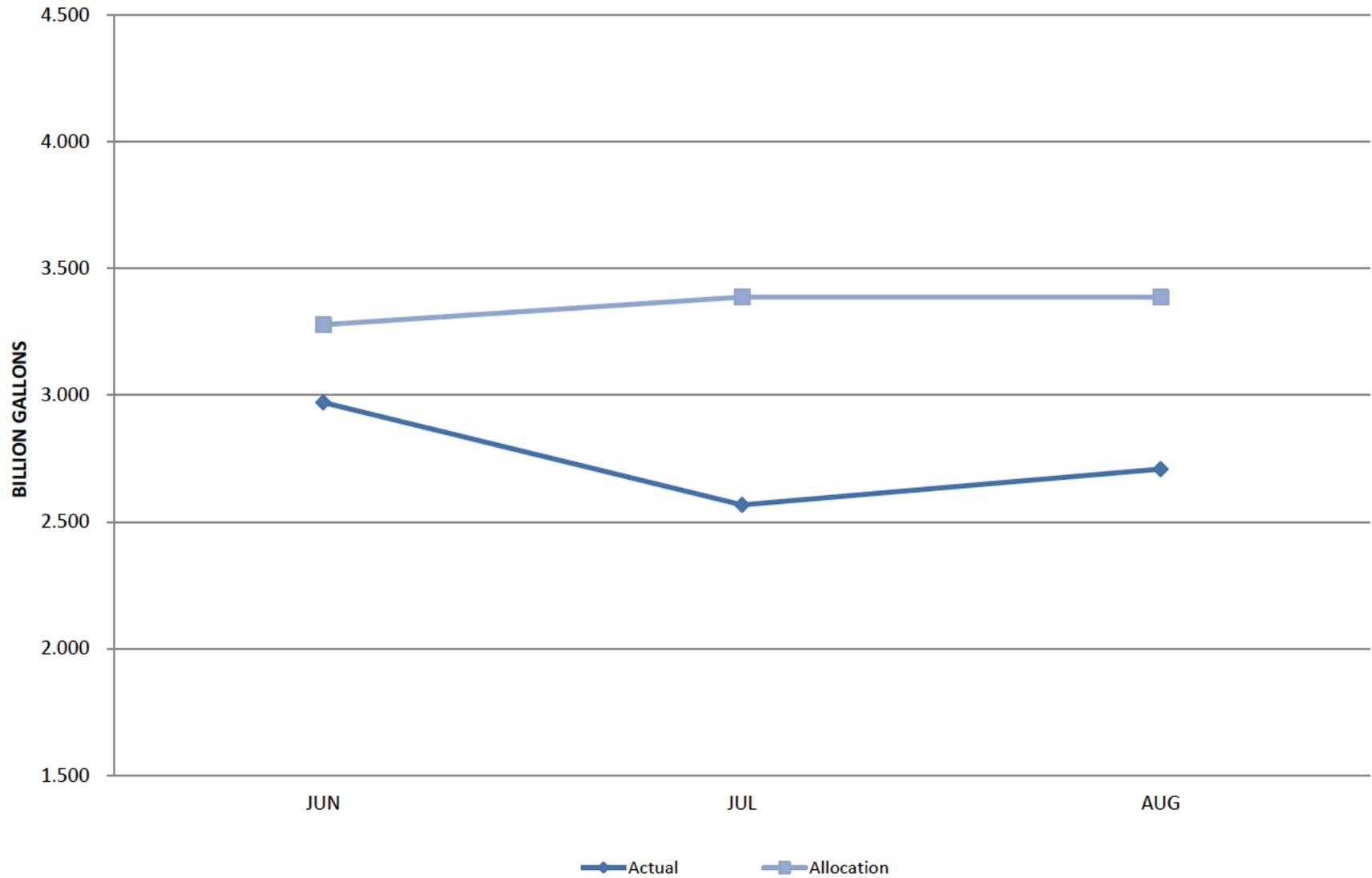
DATE	LEXINGTON P.S. SUPPLY			DUPAGE P.S. DISCHARGE							ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)	FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)	
1	1.24	0.11	0.65	1.27	0.13	69	7.3	0.9	0.65	0	BM
2	1.11	0.14	0.65	1.26	0.16	70	7.4	0.9	0.69	0	KD
3	1.24	0.11	0.64	1.32	0.11	70	7.3	0.9	0.68	0	KD
4	1.30	0.09	0.66	1.34	0.09	68	7.5	0.9	0.62	0	KD
5	1.50	0.07	0.65	1.51	0.09	65	7.4	0.9	0.64	0	RC
6	1.29	0.07	0.65	1.36	0.09	64	7.4	0.9	0.61	0	RC
7	1.23	0.08	0.64	1.23	0.09	65	7.4	1.0	0.66	0	KD
8	1.26	0.09	0.67	1.16	0.12	69	7.5	1.0	0.65	0	KD
9	1.31	0.12	0.64	1.33	0.12	69	7.5	1.1	0.68	0	RC
10	1.29	0.10	0.67	1.33	0.10	69	7.3	1.0	0.68	0	RC
11	1.28	0.10	0.66	1.31	0.11	69	7.4	1.0	0.67	0	KD
12	1.19	0.09	0.62	1.17	0.12	70	7.3	0.9	0.64	0	KD
13	1.11	0.09	0.64	1.22	0.13	70	7.3	1.0	0.63	0	KD
14	1.19	0.11	0.69	1.17	0.12	70	7.4	1.0	0.68	0	KD
15	1.26	0.17	0.63	1.15	0.13	70	7.5	0.9	0.65	0	KD
16	1.27	0.15	0.66	1.19	0.14	70	7.4	1.0	0.64	0	KD
17	1.23	0.16	0.67	1.16	0.16	70	7.4	0.9	0.65	0	KD
18	1.13	0.16	0.69	1.28	0.15	71	7.4	0.9	0.65	0	KD
19	1.05	0.15	0.68	1.19	0.16	70	7.5	0.9	0.66	0	RC
20	1.11	0.11	0.66	1.20	0.14	70	7.4	0.9	0.64	0	AM
21	1.32	0.16	0.68	1.08	0.17	70	7.5	0.9	0.67	0	KD
22	1.23	0.14	0.71	1.16	0.14	70	7.5	0.9	0.74	0	KD
23	1.31	0.11	0.67	1.28	0.17	70	7.5	0.9	0.68	0	RC
24	1.23	0.14	0.67	1.08	0.17	70	7.5	0.9	0.66	0	RC
25	1.28	0.14	0.66	1.06	0.18	71	7.5	1.0	0.66	0	RC
26	1.30	0.13	0.68	1.28	0.16	71	7.4	0.9	0.65	0	AM
27	1.27	0.11	0.66	1.23	0.15	71	7.4	0.9	0.68	0	AM
28	1.29	0.14	0.66	1.28	0.14	71	7.5	1.0	0.68	0	RC
29	1.36	0.15	0.69	1.15	0.17	70	7.5	1.0	0.67	0	RC
30	1.31	0.18	0.69	1.20	0.16	71	7.4	0.9	0.67	0	AM
31	1.32	0.13	0.71	1.22	0.12	71	7.4	0.9	0.68	0	AM
AVG.	1.25	0.12	0.66	1.23	0.14	69	7.4	0.9	0.66	0	
MAX.	1.50	0.18	0.71	1.51	0.18	71	7.5	1.1	0.74	0	
MIN.	1.05	0.07	0.62	1.06	0.09	64	7.3	0.9	0.61	0	

 *9/7/23*
Mike Weed, Operations Supervisor Date
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: September 11, 2023

MEETING DATE: September 21, 2023

I. Progress through September 11, 2023

- a. Field data collection and Surveying remains ongoing.
 - 1. Total of 41 initial JULIE tickets comprising 300+ individual utility requests were submitted in June. Thus far, approximately 90% responses received; 22 second requests submitted in late July for those utilities that didn't respond within 30 days of initial request.
 - 2. Survey monumentation, survey control, cadastral line development completed at 37 of 40 initial locations.
 - 3. Detailed site topographic survey completed at 12 key intersections (See attached Survey Progress Exhibit).
 - 4. Soil borings completed at 8 locations to date, with 20 more scheduled in coming weeks as ComEd access and IDOT permit approvals are secured. Robinson survey crews will be collecting 'as drilled' locations and elevation data to place on applicable plan/profile sheets. Geotechnical reports on initial borings expected by Sept 15.
 - 5. Total of 59 title commitment requests received for ComEd routes. Required for ComEd review of preliminary plan and profile drawings. Easement information has been added to drawings for purposes of refining pipeline alignments.
- b. Data collection (as-builts, GIS, design drawings) in progress.
 - 1. Currently reviewing data from WaterLink communities to confirm received data is adequate.
- c. Evaluation of route alternatives in progress, three routes under consideration consist of the "Extended ComEd" Route and two Non-ComEd Routes "Montgomery Road" and "95th Street" (See attached route maps).
 - 1. Route Analysis Matrix is complete. Please see attached.
 - 2. Route analysis matrix has been built into GIS to develop a tool to demonstrate the level of difficulty of installation in half mile segments across all routes. Additionally, the best location for the pipeline within the roadway ROW is being evaluated.
 - 3. Confirmation of received as-built data and route analysis being performed simultaneously.



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





MONTHLY STATUS REPORT

4. Team is communicating with the various oil and gas pipeline companies to determine their locations within the ComEd properties.
 5. Preliminary plan/profile drawings for entire ComEd routes in progress. Drawings include utility info received to date. Design Team to develop preliminary pipeline alignment and submit alignment drawings to ComEd as part of their standard review process.
- d. Ongoing coordination with ComEd.
1. DWC signed site access permission letter, to be executed by ComEd week of 9/11/23 to allow for completion of ESA and wetlands delineation. Additionally, the Team will perform onsite visits to aid in routing study.
 2. Coordination is ongoing with ComEd and the team is responsive to ComEd requests.
 3. Design Team working to understand requirements for geotechnical work. ESA Phase 1 must be submitted first.
- e. Team met with Kendall County Highway Department, Kendall County Township and Oswego Township.
1. All parties were generally receptive to the project.
 - Provided permission to do geotechnical work.
 - Provided overview on current projects – Collins and Grove.
 - Provided schedule – DWC consultant team to continue to provide updates on status of project.
 - Team will reach out to Kendall Township in the future for assistance with property owners.
- f. Team met with DuPage County DOT on August 17th to discuss potential open-cut connection west of 75th/Book Road intersection. Traffic control / maintenance requirements clarified. Design Team prepared initial Maintenance of Traffic Plan with construction cost estimates meeting those requirements. Results demonstrate that construction cost for open-cut option would exceed a tunneled option by over \$1 million without a corresponding reduction in traffic impacts during construction. It is recommended the crossing of 75th Street be made via tunnel construction.
- g. Design Team and DWC staff attended several pipe and valve manufacturer events including Thompson Pipe Plant Tour in South Beloit, IL (8/22/23), Northwest Pipe Trailer Demonstration at DWC Office (8/24/23), and Val-Matic Valve Plant Tour in Elmhurst and Addison, IL (8/29/23).
- h. Hydraulics workshop held on 9/7/2023. Meeting minutes, conclusions and next steps will be completed and sent to DWC for review week of 9/11/2023. A summary will be provided in the next status report.



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





MONTHLY STATUS REPORT

II. Scope Changes

- 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.

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 September 1, 2023: \$1,340,311 (31.4%)

IV. Completed Workshops, Meetings and Visits

- a. Pipe Materials & Valve Workshop – August 10, 2023 (DWC Office).
- b. Thompson Pipe Plant Tour – August 22, 2023 (South Beloit, IL).
- c. Northwest Pipe Demonstration Trailer and Training – August 24, 2023 (DWC Office).
- d. Val-Matic Valve Plant Tour – August 29, 2023 (Elmhurst & Addison, IL).
- e. Coordination meetings DuPage County (August 17th) and Kendall County Transportation (August 21st).
- f. Hydraulics Workshop – September 7, 2023.

V. Upcoming Tasks & Meetings

- a. Further coordination with ComEd.
- b. Completion of ESA Phase 1 and Wetlands Delineation Work.
- c. Completion of geotechnical and CCDD analyses.
- d. Identification of appropriate locations for SUE and potholing investigations.
- e. Preparation of preliminary plan and profile drawings for ComEd alignments.
- f. Route scoring and evaluation.
- g. Route alternatives and Fox River crossing workshops.



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

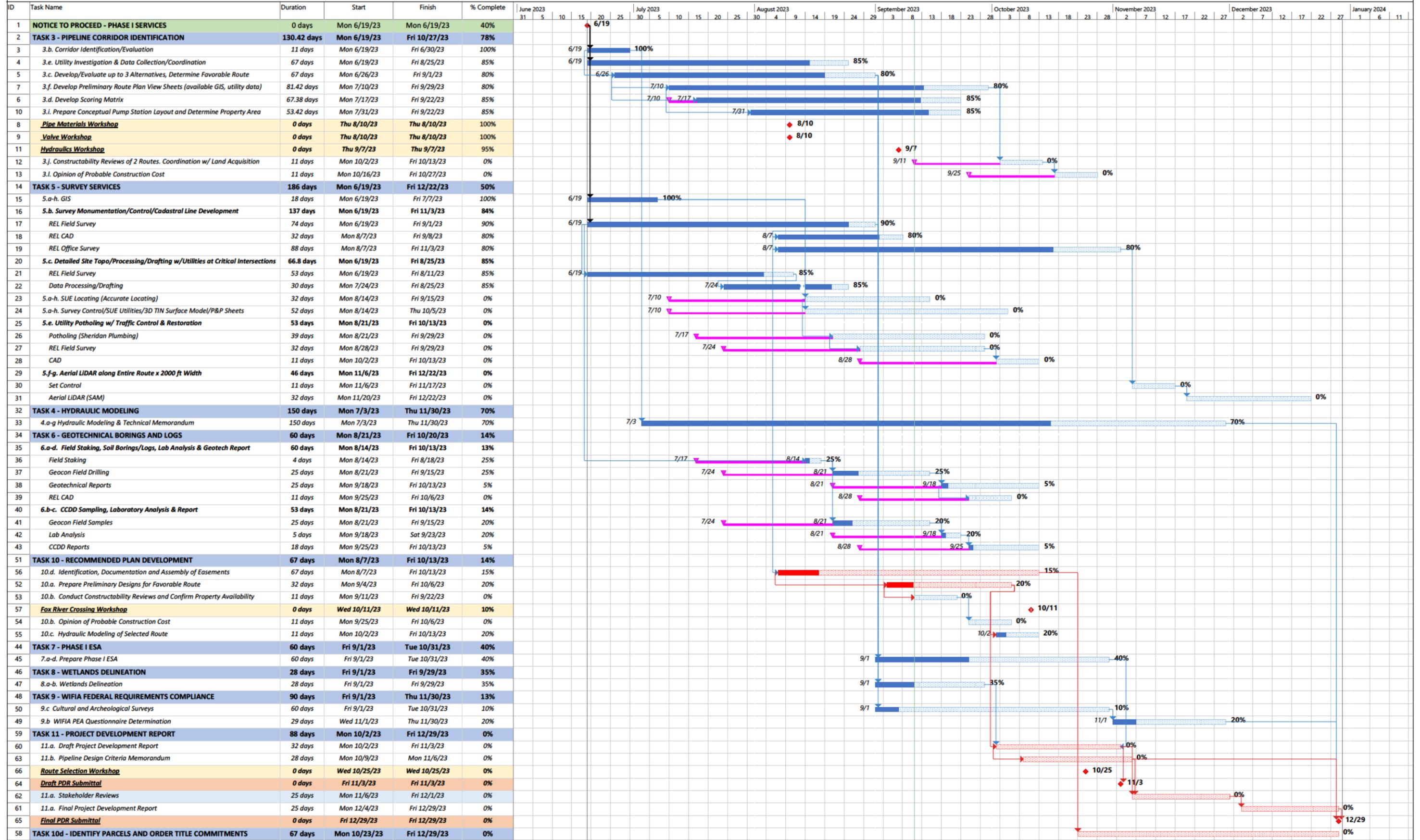


**Cash Flow/Invoicing Forecast - Phase I Services
DuPage Water Commission
WaterLink Extension
September 2023**

Activity through June 30, 2023 Activity through July 31, 2023 Activity through September 01, 2023 Planned Planned Planned Planned Planned

Description	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024
Basic Services	\$ 95,813	\$ 144,374	\$ 251,845	\$ 663,098	\$ 658,098	\$ 290,385	\$ 164,912	\$ 45,169
Additional Services	\$ 67,127	\$ 360,443	\$ 403,110	\$ 548,616	\$ 172,226	\$ 226,696	\$ 171,735	\$ -
MONTHLY TOTALS	\$ 162,940	\$ 504,817	\$ 654,956	\$ 1,211,714	\$ 830,324	\$ 517,081	\$ 336,647	\$ 45,169
TOTAL PHASE I FEE							\$	4,263,649

**DuPage Water Commission
WaterLink Extension
Phase I Project Schedule**



Critical Critical Progress Task Task Progress Milestone ◆ Slippage ▼



Resolution #: R-46-23

Account: 01-60-751200, 01-60-663200

Approvals: *Author / Manager / Finance / Admin*

JH RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 9/14/2023

Description: **A Resolution Approving and Ratifying Task Order No. 08 Under a Master Contract with DeLasCasas CP, LLC**

Agenda Section: Engineering & Construction

Originating Department: Engineering

The Commission entered into a Master Contract with DeLasCasas CP, LLC, for professional engineering services on August 23, 2021, in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-46-23 would approve Task Order No. 08 to the Master Contract:

Task Order No. 08: Feasibility Testing, Design, and Construction Services for Installation of a Cathodic Protection System on TW-2

During the annual 2021 Close Interval Survey, the DuPage Water Commission found that the 48" diameter steel West Transmission Main (Contract TW-2) was receiving inadequate cathodic protection as according to AMPP (Association for Materials Protection and Performance, formerly NACE) standards. The Close Interval Survey results displayed that the 48" diameter pipeline was only receiving adequate protection for approximately 35% of the system from existing galvanic anodes which had been installed in 2007. Task Order No. 08 would enable DeLasCasas CP, LLC. to install cathodic protection for the remaining unprotected 65% of the TW-2 pipeline. Resolution R-46-23 is seeking authorization to perform feasibility testing, design, and construction services, including resident engineering and commissioning, to install additional galvanic cathodic protection systems on the TW-2 pipeline at an estimated not-to-exceed cost of \$59,000.00.

Recommended Motion:

To adopt Resolution No. R-46-23.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-46-23

A RESOLUTION APPROVING AND RATIFYING TASK ORDER NO. 08 UNDER A MASTER CONTRACT
WITH DELASCASAS CP, LLC

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with DeLasCasas CP, LLC (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, the Consultant has accepted the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (“Task Order No. 08”);

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 Task Orders attached hereto 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 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 _____, 2023.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

TASK ORDER NO. 08

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and DeLasCasas CP, LLC (“Consultant”) for Professional Engineering Services dated August 23, 2021 (the “Contract”), Owner and Consultant agree as follows:

1. Project:

Perform Feasibility Testing, Design, and Construction Services of a Cathodic Protection Galvanic Anode System for the West Transmission Main (Contract TW-2) as delineated in the proposal from DeLasCasas CP, LLC dated August 7, 2023.

2. Services of Consultant:**A. Feasibility Testing:**

1. Determine if electrical isolation or continuity exists at the insulating flange (IF) at Station 161+18.
 - a. Interrupt the closest sacrificial anode system south of this location for the testing.
2. Perform current requirement testing with the existing sacrificial anode systems south of Station 161+18 to assess the conditions and performance of the four (4) existing sacrificial anode systems (SAS).
 - a. Measure the output characteristics of the existing SAS including:
 - i. Current output at shunt
 - ii. Potentials as found at the anode and pipe.
 - iii. SAS interruption and measurement of the remote On and Off potentials of anodes and pipe.
 - iv. Measure current output with multimeter in series.
 - b. Interrupt the sacrificial anode systems, one at a time, to measure the close and remote potentials and how far each ground bed provides protection on the pipeline.
 - i. Take Off potentials measurements On and Off at:
 1. The closest test station at the SAS.
 2. The middle point between two consecutive sacrificial anode systems.
 3. The end of the protected sections.
 - c. Measure local polarization potential.

- i. Install dataloggers at the SAS test station, at a test station in the middle point between two SAS, and at the end of the protected sections.
 - ii. Disconnect the SAS.
 - iii. Let the pipeline depolarize for at least one day.
 - iv. Determine polarization levels subtracting the depolarization potential from the instant off (polarized) potential.
 3. Perform current requirement testing in the non-protected section of the pipeline to compare with information gathered in step B above.
 - a. Based on the data collected in step B above:
 - i. Calculate attenuation characteristics of the pipeline.
 - ii. Select locations for the new SAS.
 - iii. Perform current requirement testing on the unprotected section with portable ground beds at one pre-selected site. The site will be chosen from the locations selected above for the new SAS.
 4. Perform soil strata study for the installation of new sacrificial anode systems.
 - a. Calculate average soil resistivity from the existing SAS.
 - b. Measure soil resistivity at the chosen locations for new SAS.
 - c. Check soil strata logs from existing wells, based on Illinois Geological Institute information.
 5. Perform electrical short testing at casing under railroad at Sta. 179+22 based on the NACE Standard SP0286-2007.
 - a. If the casing is electronically shorted to the pipe, complete current requirement testing at both sides of the casing.
 - i. Suggest solutions to the electric short.
- B. Design of Sacrificial Anode Ground Beds:
1. Complete SAS design calculations.
 2. Determine distance between the SAS based on the criterion of reaching 150 mV to remote earth at the middle point between consecutive SAS, utilizing the data from Feasibility Testing.
 3. Complete a constructability study for the selected sites.

4. Submit an installation drawing for the sacrificial anode systems for the review of the Owner. Make any revisions as noted by the Owner.
5. Provide a bill of material and material specifications sheet to the Owner.

B. Construction Services to install Sacrificial Anode Ground Beds

1. Perform Resident Engineering to examine the installation of the galvanic anode system. Ensure the system is being installed per contract drawings and specifications. 10 Days of inspection are included in this proposal.
2. Complete commissioning of the SAS five weeks after the SAS are connected to the pipeline.
3. Provide a commissioning report to the Owner.

C. Additional Services:

None

3. **Approvals and Authorizations:** Consultant shall obtain the following approvals and authorizations:

None

4. **Commencement Date:**

September 22, 2023

5. **Completion Date:**

240 Calendar Days following Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

6. **Submittal Schedule:**

None

7. **Key Project Personnel:**

Names:	Telephone:
Rogelio De Las Casas	312.835.0272
Jennifer De Las Casas	312.636.2845

8. **Contract Price:**

For providing, performing, and completing each phase of Services, an amount equal to Consultant's Direct Labor Costs 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 pursuant to Section 2.1 of the Contract.

Feasibility Testing	\$15,700.00
Design of Sacrificial Anode System	\$17,300.00
Construction Services of Sacrificial Anode System	\$26,000.00
Total	\$59,000.00

9. **Payments:**

Direct Labor Costs shall mean the billing rate of all Consultants personnel including all professionals whether owners or employees, engaged directly on the Project.

Reimbursable Expenses shall mean the actual expenses incurred by Consultant directly or indirectly in connection with the Project, including expenses for transportation, telephone, postage, computer time and other highly specialized equipment, reproduction and similar Project related items.

10. **Special Safety Requirements:**

Even though Consultant 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 Consultant's legal obligations, Consultant is advised that it would be reasonable to assume that hazardous electrical voltage and current may be present at any time during the Services. Consultant 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 Consultant personnel accordingly. Owner shall instruct its employees to comply with the restrictions and prohibitions of Consultant'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.

11. **Modifications to Contract:**

None

12. **Attachments:**

None

Approval and Acceptance: Acceptance and approval of this Task Order, including the attachments listed above, shall incorporate this Task Order as part of the Contract.

The Effective Date of this Task Order is September 22, 2023.

DUPAGE WATER COMMISSION

By: _____
Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney
Title: Project Engineer
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: haney@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

DELASCASAS CP, LLC

By: _____
Jennifer De Las Casas
LLC Managing Member

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Rogelio De Las Casas
Address: 111 Ambassador Ave, Romeoville, Illinois, 60446
E-mail Address: rogelio@delascasascp.com
Phone: (312) 835-0272



Resolution #: R-47-23

Account: 01-60-751200, 01-60-663200

Approvals: *Author / Manager / Finance / Admin*

JH RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 9/14/2023

Description: **A Resolution Approving and Ratifying Task Order No. 09 Under a Master Contract with DeLasCasas CP, LLC**

Agenda Section: Engineering & Construction

Originating Department: Engineering

The Commission entered into a Master Contract with DeLasCasas CP, LLC, for professional engineering services on August 23, 2021, in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-47-23 would approve Task Order No. 09 to the Master Contract:

Task Order No. 09: Corrosion Control and Feasibility Testing of a new Cathodic Protection System on TS-3/88 and TOB-E/87

During the annual 2022 Closed Interval Survey, the DuPage Water Commission found that the steel portions of the large-diameter South and Outer Belt Transmission Mains (Contract TS-3/88 and TOB-E/87) were receiving inadequate cathodic protection as according to AMPP (Association for Materials Protection and Performance, formerly NACE) standards. These pipelines utilize existing rectified cathodic protection systems which are showing signs of failure to provide inadequate cathodic protection to several areas. Task Order No. 09 would enable DeLasCasas CP, LLC. to perform testing to examine why the existing rectified cathodic protection system is failing and perform feasibility testing for a new rectified cathodic protection system that will enable the pipelines to be protected to industry standards. Approval of Resolution R-47-23 would authorize Task Order No. 09 to DeLasCasas CP, LLC at the estimated not-to-exceed cost of \$43,000.00.

Recommended Motion:

To adopt Resolution No. R-47-23.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-47-23

A RESOLUTION APPROVING AND RATIFYING TASK ORDER NO. 09 UNDER A MASTER CONTRACT
WITH DELASCASAS CP, LLC

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with DeLasCasas CP, LLC (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, the Consultant has accepted the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (“Task Order No. 09”);

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 Task Orders attached hereto 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 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 _____, 2023.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

TASK ORDER NO. 09

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and DeLasCasas CP, LLC (“Consultant”) for Professional Engineering Services dated August 23, 2021 (the “Contract”), Owner and Consultant agree as follows:

1. **Project:**

Examine failure of existing cathodic protection systems and perform feasibility testing for a new Cathodic Protection System for the South and Outer Belt Transmission Mains (Contract TS-3/88 and TOB-E/87) as delineated in the proposal from DeLasCasas CP, LLC dated September 4, 2023.

2. **Services of Consultant:**

A. Feasibility Testing (TOB-E/87):

1. Visit each rectifier and isolation flange and measure the as-found characteristics.
 - Turn off all the rectifiers.
 - Inventory all isolation flanges and test for electrical continuity/isolation. Data to be provided from DuPage Water Commission to assist.

2. Visit the three rectifiers with linear anodes that have failed.
 - Rectifier to visit:
 - Sta 651+00
 - Sta 679+50
 - Sta 760+10
 - Troubleshoot the rectifier systems.
 - Determine (+) cable integrity.
 - Determine (-) cable integrity.
 - Use portable ground bed to assess:
 - The current required for protection.
 - Attenuation characteristics of the pipeline.
 - The close and remote potentials at the closest test station.
 - The close and remote potentials at two test stations remote from the ground bed at both sides of the rectifier.

- The close and remote potentials at the furthest test station where the rectifier IR is measured.
3. Visit the other five rectifiers, with linear anodes working.
- Rectifier to visit:
 - Sta 85+00
 - Sta 300+50
 - Sta 363+00
 - Sta 400+75
 - Sta 547+00
 - Turn on and interrupt one rectifier at the time:
 - Measure
 - The close and remote potentials at the closest test station.
 - The close and remote potentials at the next test station at both sides of the rectifier.
 - Determine the furthest test station where IR drop of the rectifier affects the pipeline.
 - Find close and remote potentials at this test station.
 - Find the percent of influence of each linear anode on the pipeline.
4. With field testing data perform the following:
- Calculate the conductance of the pipeline per section.
 - Calculate the current requirement with the conductance and the resistance of the pipeline to remote earth.
 - The criterion to determine the amount of current is 300 mV of IR shift to remote earth at the middle point between two rectifiers.
 - Determine the ground bed resistances to remote earth.
 - With attenuation characteristics, determine if more cathodic protection systems are required to improve the current distribution.
 - Determine how many additional ground beds need to be designed to ensure the line will be protected.
 - See if the Northern Inspection Service's proposed new systems will satisfy the new cathodic protection requirements.

- Assess the remoteness of the Northern Inspection Service's proposed new systems.
- Provide proposal with cost estimate for the engineering services.
 - The cathodic protection system enhancement will focus on the steel sections of the main only.

B. Feasibility Testing (TS-3/88):

1. Visit each rectifier and isolation flange and measure the found characteristics.
 - Turn off all the rectifiers.
 - Inventory of all isolation flanges and test for electrical continuity/isolation. Data to be provided from DuPage Water Commission to assist.
2. Visit the rectifier at Sta 119+25 with the linear anodes that have failed.
 - Troubleshoot the rectifier systems.
 - Determine (+) cable integrity.
 - Determine (-) cable integrity.
 - Use portable ground bed to assess:
 - The current required for protection.
 - Attenuation characteristics of the pipeline.
 - The close and remote potential at the closest test station.
 - The close and remote potentials at two test stations remote from the ground bed at both sides of the rectifier.
 - The close and remote potentials at the furthest test station where the rectifier IR is measured.
3. Two rectifiers, with linear anodes working.
 - Rectifier to visit:
 - Sta 356+00
 - Sta 554+50
 - Turn on and interrupt one rectifier at the time:
 - Measure
 - The close and remote potentials at the closest test station.

- The close and remote potentials at the next test station at both sides of the rectifier.
- Determine the furthest test station where IR drop of the rectifier affects the pipeline.
 - Find close and remote potentials at this test station.
- Find the percent of influence of each linear anode on the pipeline.

4. With field testing data perform the following:

- Calculate the conductance of the pipeline per section.
- Calculate the current requirement with the conductance and the resistance of the pipeline to remote earth.
 - The criterion to determine the amount of current is 300 mV of IR shift to remote earth at the middle point between two rectifiers.
- Determine the ground bed resistances to remote earth.
- With attenuation characteristics, determine if more cathodic protection systems are required to improve the current distribution.
- Determine how many additional ground beds need to be designed to ensure the line will be protected.
 - See if the Northern Inspection Service's proposed new systems will satisfy the new cathodic protection requirements.
- Assess the remoteness of the Northern Inspection Service's proposed new systems.
- Provide proposal with cost estimate for the engineering services.
 - The cathodic protection system enhancement will focus on the steel sections of the main only.

C. Additional Services:

None

3. **Approvals and Authorizations:** Consultant shall obtain the following approvals and authorizations:

None

4. **Commencement Date:**

September 22, 2023

5. **Completion Date:**

210 Calendar Days following Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

6. **Submittal Schedule:**

None

7. **Key Project Personnel:**

Names:

Telephone:

Rogelio De Las Casas

312.835.0272

Jennifer De Las Casas

312.636.2845

8. **Contract Price:**

For providing, performing, and completing each phase of Services, an amount equal to Consultant's Direct Labor Costs 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 pursuant to Section 2.1 of the Contract.

Feasibility Testing	\$43,000.00
----------------------------	--------------------

9. **Payments:**

Direct Labor Costs shall mean the billing rate of all Consultants personnel including all professionals whether owners or employees, engaged directly on the Project.

Reimbursable Expenses shall mean the actual expenses incurred by Consultant directly or indirectly in connection with the Project, including expenses for

transportation, telephone, postage, computer time and other highly specialized equipment, reproduction and similar Project related items.

10. **Special Safety Requirements:**

Even though Consultant 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 Consultant's legal obligations, Consultant is advised that it would be reasonable to assume that hazardous electrical voltage and current may be present at any time during the Services. Consultant 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 Consultant personnel accordingly. Owner shall instruct its employees to comply with the restrictions and prohibitions of Consultant'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.

11. **Modifications to Contract:**

None

12. **Attachments:**

None

Approval and Acceptance: Acceptance and approval of this Task Order, including the attachments listed above, shall incorporate this Task Order as part of the Contract.

The Effective Date of this Task Order is September 22, 2023.

DUPAGE WATER COMMISSION

By: _____
Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney
Title: Project Engineer
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: haney@dpwc.org
Phone: (630) 834-0100

DELASCASAS CP, LLC

By: _____
Jennifer De Las Casas
LLC Managing Member

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Rogelio De Las Casas
Address: 111 Ambassador Ave, Romeoville, Illinois, 60446
E-mail Address: rogelio@delascasascp.com
Phone: (312) 835-0272



Resolution #: R-52-23
Account: 01-60-663300, NTE \$26,350
Approvals: *Author / Manager / Finance / Admin*
D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 9/14/2023
Description: **A Resolution Approving Exterior Standpipe Cleaning Services**
Agenda Section: Engineering & Construction
Originating Department: Pipeline

To extend the useful life of exterior coating systems previously applied to the Commission’s standpipes, washing is occasionally required to remove potentially detrimental contaminants from the finished surfaces.

In accordance with Commission Purchasing Procedures, staff solicited several proposals from standpipe maintenance service providers to perform cleaning services at Standpipe 2 located in Glendale Heights; the solicitation results are listed below:

Jetco, Ltd.	\$26,350
National Wash Authority	\$19,140
National Soft Wash	\$18,050

Of the three proposals received, only the proposal of Jetco, Ltd. Complied with the cleaning specifications prepared by the coatings consultant, Dixon Engineering; the other two firms were non-responsive to the requests to modify their scope of work to meet the specifications. Staff therefore recommends approval to procure the services of Jetco, Ltd., to perform the cleaning at a cost of \$26,350.00, following the means and methods suggested by the Commission’s coatings consultant, Dixon Engineering.

\$40,000 is included in the Fiscal Year 2023/2024 Management Budget for tank cleaning services.

Recommended Motion:

To approve R-52-23 for Exterior Standpipe Cleaning Services with Jetco, Ltd., in the amount of \$26,350.00.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-52-23

A RESOLUTION APPROVING EXTERIOR STANDPIPE CLEANING SERVICES

WHEREAS, the Commission was formed and exists pursuant to the Water Commission Act of 1985, 70 ILCS 3720/0.01 et seq., and Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 et seq., for the purpose of securing an adequate source and supply of water for its customers; and

WHEREAS, the Commission desires to extend the useful life of Commission standpipe coating systems; and

WHEREAS, staff solicited proposals in accordance with the Commission's Purchasing Procedures; and

WHEREAS, based upon the representations of staff, the Board of Commissioners of the DuPage Water Commission has determined that the proposal of Jetco Ltd. was 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 Exterior Standpipe Cleaning Services from Jetco, Ltd., for the price set forth in Its Proposal, but not to exceed \$26,350.00

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.				
VanVooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2023/R-52-23.docx

PROPOSAL
ONE (1) 114 Ft. DIAMETER WATER STORAGE STANDPIPE (TANK #2)
EXTERIOR PRESSURE WASH
DUPAGE WATER COMMISSION

July 20, 2023

Proposal No.: Q01-07202023

We hereby submit our proposal to provide labor, materials, equipment and supervision for the washing of one (1) 114 ft. diameter Standpipe Water Storage Tank as follows:

I. PRODUCTS

- A. United 727 Weather-Zyme as manufactured by United Laboratories, 320 37th Ave., St. Charles, IL 60174. Phone: 1-800-323-2594. (Product Data Sheet attached)

II. EXECUTION

- A. Low pressure water clean at 4,000 to 5,000 psi all surfaces and appurtenances to remove mildew, soot, and other contaminants.
- B. Use a biodegradable algicide for the exterior as noted above per manufacturer's instructions.
- C. Hand wash with a higher concentration of algicide any mildew not removed by power washing.
- D. Mix algicide at level recommended by the manufacturer, but not at a level that could result in an environmental problem.
- E. Using a 15° or 25° tip, hold water jet nozzle perpendicular (90° to surface) at all times.
- F. Maintain a water jet nozzle distance of 2 in. – 10 in. from the surface.

III. CLARIFICATIONS

- DuPage Water Commission to provide 110v/15A electric service at no cost to Jetco.
- DuPage Water commission to provide RPZ with hose bib fitting and 12.0 gpm potable water supply at no cost to Jetco.
- DuPage Water Commission Safety Standards are attached to this proposal and thus become part of the scope of work included herein. Jetco follows, and all employees are trained in, all OSHA Standards including, but not limited to, Fall Prevention, Scaffold Safety, Ladder Safety, Personal Protective Equipment, and Hazard Communication.
- No less than the current DuPage County Prevailing Wage Rates shall be paid to all craftsmen. Weekly certified payroll reports will be included with any and all pay requests.
- Upon acceptance of this proposal, Jetco will submit certificates of insurance to cover the work. DuPage Water Commission will be named as certificate holder and additional insured.
- All work shall be completed prior to 11/30/2023.

We propose hereby to furnish materials and labor – complete in accordance with above specifications, for the sum of: **\$26,350.00**

Payment to be made as follows: Upon Completion

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications involving extra costs will be executed only upon written orders and will become an extra cost over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire and other necessary insurance. Our workers are fully covered by worker's compensation insurance.

Authorized Signature: _____
Kenneth Brend / President

Note: This proposal may be withdrawn if not accepted within **30** days.

Acceptance of Proposal – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature: **X** _____ Date: _____

Special Considerations

A. **Pre-Existing Conditions and Project Record Documents.** Information as to the Owner's existing facilities has been indicated or provided solely for the convenience of the Contractor. Owner assumes no responsibility whatever in respect to the sufficiency or accuracy of such information, and such information is not guaranteed.

Contractor may examine at the offices of Owner the "Drawings of Record" from the initial construction of the standpipes and appurtenances within the Work Site. Such information is made available solely for the convenience of Contractor and is not guaranteed. Contractor is directed to Section 1 of the General Instructions to Contractor included in this Proposal Package for provisions related to the improper use of this information.

B. **Pre-Proposal Work Site Inspections.** Contractor shall, before submitting its Proposal, personally inform itself, by on-site inspection and investigation and by such other appropriate and lawful means as it may wish, of all conditions under which the Work is to be performed; of the obstacles, unusual conditions or difficulties that may be encountered, whether or not referred to in the Proposal Package; and of all other relevant matters concerning the Work Site and the surrounding area, including subsurface, underground and other concealed conditions. If the Contractor desires to make explorations or observations to determine conditions at or around the Work Site, it shall obtain permission from the Owner or other appropriate property owner prior to commencement of any such activity. The Owner will provide access to the Work Sites for such pre-Proposal inspections from 7:00 a.m. to 1:00 p.m. on normal business days. To schedule an appointment, contact **[TBD]** at (630) 834-0100 a minimum of two (2) business days in advance to schedule an appointment.

Safety of the Work Site

A. **Contractor's Responsibility.** The Contractor shall be solely and completely responsible for providing and maintaining safe conditions at the Work site, including the safety of all persons and property during performance of the Work. This requirement shall apply continuously and shall not be limited to normal working hours. The Contractor shall take all safety precautions as shall be necessary to comply with all applicable laws and to prevent injury to persons and damage to property. The Contractor shall provide, by its own designation, only "Qualified Workers" to perform the Work and shall provide its own Personal Protective Equipment (PPE) for such Work including, but not limited to: clothing, gloves, eyewear/safety glasses, head/face shields, testing equipment, footwear, hard hats, and hearing protection, as appropriate for the potential hazards to be encountered as determined by the Contractor. The Contractor must ensure that all personnel observe all appropriate safety precautions when working on or in the vicinity of the Owner's facilities and appurtenances.

B. **No Duty.** Neither the Owner, nor any official or employee of the Owner, nor any authorized assistant or agent of any of them, shall be responsible for the adequacy of the Contractor's safety measures in, on, or near the Work site or sites. The Owner

shall not provide design or construction review relating to the Contractor's safety precautions required for the Contractor to perform the Work.

C. No Liability. Neither the Owner, nor any official or employee of the Owner, nor any authorized assistant or agent of any of them, shall be responsible for conditions at the Work site or sites, nor for the safety of persons or property, during the performance of the Work.

D. Safety Representative. The Contractor shall employ or hire a competent safety representative or Subcontractor, who is capable of identifying predictable and existing conditions that are unsanitary, hazardous, or dangerous to persons or property, to devise, supervise, and ensure compliance with all safety precautions and programs as shall be necessary to comply with all applicable laws, regulations, and guidelines, including without limitation OSHA, and to prevent injury to persons and damage to property. The Contractor shall advise the Owner, in writing, of such safety representative's name, address, and telephone number or numbers where such safety representative may be reached at all times, 24 hours per day, and such safety representative shall have full and complete authority to promptly correct or eliminate any such unsanitary, hazardous, or dangerous conditions.

E. Notification of Potentially Hazardous Conditions. The Contractor is advised that potentially hazardous conditions described in the Illinois Health and Safety Act, federal OSHA Regulations and Guidelines, and Illinois Department of Labor Rules and Regulations, could be encountered during the performance of the Work, including without limitation energized electrical facilities and overhead exposed electricity; cranes, and other hoisting machinery with operational and use limitations with special hazard warnings and instructions. The Contractor should take special notice of the potentially hazardous conditions identified in this paragraph and take all necessary precautions to guard against such potential hazards, including without limitation conducting employee safety training and education, posting warnings and instructions, testing and inspecting, and utilizing adequate protective and emergency systems, equipment, and devices, in as much safety remains the Contractor's sole responsibility under the Contract. The Contractor is directed to the Illinois Health and Safety Act, federal OSHA Regulations and Guidelines, including without limitation Occupational Safety & Health Standards and Construction Industry Safety & Health Regulations as outlined in Parts 1910 and 1926 of US Dept. of Labor Chapter XVII - Occupational Safety and Health Administration, Title 29, and US Dept. of Labor Document OSHA 2202 "OSHA Safety and Health Standards Digest," and Illinois Department of Labor Rules and Regulations for a further description of these potentially hazardous conditions and the regulations applicable thereto.

The Contractor is being notified of these potentially hazardous conditions so that the Contractor may independently assess the potentially hazardous conditions and take the necessary precautions to ensure a safe workplace pursuant to the Contract and the Contractor's legal obligations. The Owner's notification of these potentially hazardous conditions should not be construed to be, nor interpreted as, an exclusive listing of the potentially hazardous conditions that could be encountered during the performance of the Work but, rather, such notice shall be construed to be, and interpreted as, exemplary

only. The Owner's notification of these potentially hazardous conditions should not be construed or interpreted as waiving the Contractor's sole and complete responsibility for conditions at the Work site or sites or for providing and maintaining safe conditions at the Work site or sites, including the safety of all persons and property during performance of the Work. This notification of potentially hazardous conditions is provided solely to assist the Contractor in the performance of these duties, in the interest of maximum safety.

F. Hot Work. Hot Work (any temporary operation involving open flames or producing smoke, heat, slag, and/or sparks, including without limitation brazing, cutting, grinding, soldering, torch heating, and welding) shall only be performed through compliance with a Hot Work program meeting the requirements of OSHA and other applicable law. When the Work site is owned by the Owner, the Owner shall notify the Contractor of any unique or concealed flammable materials or any undisclosed potentially hazardous conditions of which it is aware, and the Contractor shall obtain the approval of the Owner's General Manager, or his/her designee, prior to performing any Hot Work within such Work site or sites. At all Work Sites, regardless of ownership, the Contractor shall independently make its own determination as to the presence or absence of flammable materials and hazardous conditions in the area(s) where such Hot Work will be performed, even when the Owner has notified the Contractor of any unique or concealed flammable materials or any undisclosed potentially hazardous conditions of which it is aware; the Contractor shall independently secure authorization from its own supervisory and management personnel who have been designated by the Contractor as responsible for authorizing Contractor's Hot Work; and the Contractor shall comply with any safety precautions imposed by such persons, including without limitation:

- a. Making areas where Hot Work is to be performed fire safe by either changing the location of the Hot Work or by removing or guarding against fire hazards;
- b. Employing supervisors, cutters, welders, and fire watchers that have been effectively trained in (i) the safe use and operation of the relevant equipment and processes (brazing, cutting, grinding, soldering, torch heating, welding, ventilating, fire protection, extinguishing, watching, and warning, etc.) and (ii) the need for, and the appropriate use and protective level of, PPE;
- c. Maintaining suitable brazing, cutting, grinding, soldering, torch heating, welding, ventilating, fire protection, extinguishing, warning, etc. equipment on-site in good working condition; and
- d. Posting adequate warnings.

The Contractor shall not rely upon the Owner's Hot Work practices, programs, or procedures at the Work Site owned by the Owner, or the Owner's verification of readiness for Hot Work of the Work Site owned by the Owner, or the Owner's placement of fire extinguishers, ventilation equipment, warning signs, or fire watches at the Work SITE owned by the Owner. The Contractor shall independently verify the readiness of all of

the Work Site for Hot Work and independently place fire extinguishers, ventilation equipment, warning signs, and fire watches in accordance with the Contractor's Hot Work practices, programs, and procedures, and as required by law.

G. Safety-Related Equipment. The Contractor shall not use, nor be entitled to use, any of the Owner's safety-related equipment, including without limitation: The Owner's fall-protection, fall-restraint, or fall-arrest equipment; the Owner's ladders or work platforms, forklifts, movable or overhead cranes, or other materials handling equipment; the Owner's confined space entry equipment, including gas monitors, ventilation equipment, or personnel retrieval systems; or the Owner's ventilators, fire extinguishers, or personnel rescue systems.

Take Off What The Environment Puts On!



United 727

WEATHER-ZYME

Building and Exterior Cleaner

Natural enzymes and powerful detergents combine to wash away deep-down dirt, smog, grime, grease, smoke, fuel residue—even black algae!

Earth Smart® formula means it's safe for workers and the environment!

- Completely non-toxic. Runoff, mist and overspray will not harm plants, trees, shrubs and flowers.
- No hazardous components, no VOCs and ranked zero in all HMIS categories.
- Near-neutral pH. No acid or caustic splashback concerns.
- Patented Separation Technology keeps washwater cleaner longer, makes recirculating systems work better.
- Safe for most hard surfaces including aluminum, fiberglass, tin, brass, concrete, plexiglass, marble, brick, granite, stucco, vinyl, plastic and glass.
- No phosphates. No bleach.



In a pressure washer, a steam cleaner or a bucket-and-brush operation, this versatile concentrate can be used effectively and economically around your facility and grounds...

- Dock doors.
- Buildings.
- Storage sheds.
- Golf carts.
- Stadiums, bleachers.
- Sidewalks.
- Patios, pool decks.
- Barns, silos.
- Airplane hangars, terminals.
- Cemetery markers, monuments.
- Statues, fountains.
- Portable toilets.
- Signage.
- Outdoor furniture.
- Tents, RV vehicles.
- Awnings, canopies.
- Outdoor storage tanks, tank farms.

UNITED
LABORATORIES



Resolution #: R-53-23

Account: 01-60-722300

Approvals: *Author / Manager / Finance / Admin*

RCB RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 9/14/2023

Description: **A Resolution Approving a Fifth Amendment to Task Order No. 03 under a Master Contract with Greeley and Hansen**

Agenda Section: Engineering & Construction

Originating Department: Operations

On April 16, 2020, the Commission approved R-18-20, Task Order No. 3, with Greeley and Hansen for Study and Report on the Feasibility of Emergency Generation System Modifications at the DuPage Pumping Station.

On September 17, 2020, the Commission approved R-36-20, the 1st Amendment to Task Order No. 3 to have Greeley and Hansen utilize their expertise to guide staff and provide the necessary technical information on the Commission's generator exhaust to enable staff to comply with revisions to IEPA Air Quality Permitting requirements.

On January 21, 2021, the Commission approved R-7-21, the 2nd Amendment to Task Order No. 3 to add Design Services and Bidding Services to the Task Order and revising the cost at a not-to-exceed amount of \$602,396.00.

On September 16, 2021, The Commission approved R-45-21, the 3rd Amendment to Task Order No. 3 to include additional Design Services to the Design Phase Services of the Task Order and revising the cost at a not-to-exceed amount to \$634,225.00.

On March 17, 2022, the Commission approved R-20-22, the 4th Amendment to Task Order No. 3 to include Project Management and Construction Phase Services, revising the cost not-to-exceed \$1,307,625.00 and a modification to the schedule to align with the construction schedule.

The 5th Amendment would increase the Project Management and Construction Phase Services to be onsite to observe and document and advise staff on the Design-Build Emergency Generator Controls Update Project as being performed by Caterpillar Power Systems. The increase in engineering effort would modify the not-to-exceed costs from \$1,307,625 to \$1,372,625.00. The additional Project Management and Construction Phase Services requested in this amendment were intentionally omitted from all previous Task Order amendments until staff received the final workplan and schedule from Caterpillar in order to coordinate the Task Order amendment cost with the anticipated hours related to the scheduled construction tasks. The additional fee requested is an amount not-to-exceed \$65,000.00.

Recommended Motion:

To approve R-53-23.

DuPAGE WATER COMMISSION

RESOLUTION NO. R-53-23

**A RESOLUTION APPROVING A FIFTH AMENDMENT TO TASK ORDER NO. 3
UNDER A MASTER CONTRACT WITH GREELEY AND HANSEN**

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with Greeley and Hansen (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-18-20, 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 entered into a First Amendment to Task Order No. 3, approved pursuant to Resolution No. R-36-20, adopted on September 17, 2020 to add IEPA Air Quality Permitting assistance, and increase the not-to-exceed cost of the services; and

WHEREAS, The Commission and Consultant entered into a Second Amendment to Task Order No. 3, approved pursuant to Resolution No. R-7-21, adopted on January 21, 2021 to add Design and Bidding Services, and increase the not-to-exceed cost of the services; and

WHEREAS, The Commission and Consultant entered into a Third Amendment to Task Order No. 3, approved pursuant to Resolution No. R-45-21, adopted on September 16, 2021 to add to the scope of Design Services, and increase the not-to-exceed cost of the services; and

WHEREAS, The Commission and Consultant entered into a Fourth Amendment to Task Order No. 3, approved pursuant to Resolution No. R-20-22, adopted on March 17, 2022 to add Project Management and Construction Services to the scope and to increase the not-to-exceed of the services; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 3 to the Master Contract to increase the Project Management and Construction Services for Technical Observation for the Design-Build Electrical Generator Controls Update Project as being performed by Caterpillar Power Systems to the scope and to increase the not-to-exceed 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 Fifth 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 Fifth Amendment to Task Order No. 3 attached hereto as Exhibit 1 shall be and hereby is approved.

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.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk
Board/Resolutions/2023/R-53-23.docx

EXHIBIT 1

**FIFTH AMENDMENT TO
TASK ORDER NO. 3**

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and Greeley and Hansen (“Consultant”), for Professional Engineering Services dated June 19, 2013 (the “Contract”), Owner and Consultant agree to amend, *effective September 22, 2023*, Task Order No. 3 to the DuPage Water Commission’s Emergency Generation System Modifications at the DuPage Pumping Station, as previously amended by a First Amendment dated as of September 17, 2020 and as previously amended by a Second Amendment dated as of January 22, 2021 and as previously amended by a Third Amendment dated as of September 16, 2021 and as previously amended by a Fourth Amendment dated as of March 18, 2022 (collectively Task Order No. 3) as follows:

1. Project:

Engineering services in connection with the DuPage Water Commission’s Emergency Generation System Modifications, based upon Greeley and Hansen’s proposal dated March 5, 2020, and Design and Bidding Services based upon Greeley and Hansen’s Emergency Generation System Modifications Technical Memorandum dated November 2020, as modified by Greeley and Hansen’s proposal dated August 24, 2021 and as modified by Greeley and Hansen’s proposal dated March 4, 2022 and as modified by Greeley and Hansen’s Proposal dated September 12, 2023:

2. Completion Date:

Section 5, entitled “Completion Date,” of Task Order No. 3 shall be amended in its entirety so that said Section 5 shall hereafter be and read as follows:

“5. Completion Date:

- A. Study and Report Phase: 90 days following the Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.
- B. Preliminary Design Phase: 90 days following the Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.
- C. Final Design Phase: 180 days following issuance of Notice to Proceed by Owner plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.
- D. Bidding Phase: 90 days following issuance of Notice to Proceed by Owner plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.
- E. Construction Phase: 180 days following Final Approval of Contract PSD-10/22 plus any PSD-10/22 Contract Time Extensions, if any, or any other time

extensions to this Task Order authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

* Days exclude Owner’s Review Periods”

3. Contract Price:

Section 8, entitled “Contract Price” of Task Order No. 3 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 pursuant to Section 2.1 of the Contract:

<u>Phase</u>	<u>Not to Exceed</u>
Study and Report	\$84,397
Preliminary Design	\$228,948
Final Design	\$304,348
Bidding	\$15,595
Other Direct Costs (ODC)	\$937
Construction Phase Services	\$673,400
<i>Amendment #5: Generator Controls Upgrade RE Services</i>	<u><i>\$65,000</i></u>
<i>Total All Phases</i>	<i>\$1,307,625</i>

Notwithstanding the foregoing, the total Contract Price shall be increased by \$65,000.00 to a total not to exceed sum of \$1,372,625.00. The contact price maybe adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.”

In all other respects, Task Order No. 3 to the Contract shall remain in full force and effect, and Task Order No. 3 to the Contract shall be binding on both parties as hereinabove amended.

The Effective Date of this Task Order is September 22, 2023.

DUPAGE WATER COMMISSION

By: _____

Paul D. May, PE
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: R. Christopher Bostick
Title: Manager of Water Operations
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: bostick@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

GREELEY AND HANSEN LLC

By: _____

Joseph Teusch, P.E.
Vice President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Mike Debnar
Title: Project Manager
Address: 100 S Wacker Dr., Chicago, IL 60606
E-mail Address: michael.debnar@greeley-hansen.com
Phone: (312) 312.254.7652

September 12, 2023

DuPage Water Commission
 Mr. Chris Bostick
 Manager of Water Operations
 600 E. Butterfield Road
 Elmhurst, IL 60126

Subject: Proposed Fifth Amendment to Task Order No. 3 for Design Services During Construction for the DuPage Emergency Generation System Modifications Project PSD 10-22

Dear Mr. Bostick:

Thank you for requesting this additional scope of services for the Emergency Generation System Modifications Project via a Fifth Amendment to Task Order No. 3.

Greeley and Hansen understands that this task will be invoiced on a time and material basis. The values established in this amendment are the maximum not to exceed values for the work, unless modified by an additional amendment.

This amendment is for Design Services During Construction (DSDC). The project scope is detailed in Attachment A and is reflective of the Contractor (Caterpillar) Work Plan. The fee is summarized in the following table:

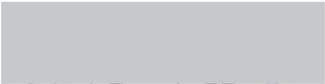
<u>Proposed Change Order Description</u>	<u>Total Hours</u>	<u>Not to Exceed (\$)</u>
Field Engineering Services for 22-day duration	272	\$ 62,000
SUB-TOTAL		\$ 62,000
Sub-Consultants		\$0
Reimbursables		\$3,000
TOTAL		\$ 65,000

Greeley and Hansen will provide rates for all staff billed under the time and material invoicing. We will also provide yearly escalation rates between zero and the published cost of living increase from the US Bureau of Labor Statistics for each staff member for each succeeding calendar year of the work.

Fees are based on a 22-Day construction duration corresponding to the Generator Control System Upgrade project, valid for a period of 60 days after Notice to Proceed.

Please review and approve each item for inclusion in the amendment. Please call if you should have any questions or concerns. It has been a pleasure working with you.

Yours very truly,
 Greeley and Hansen LLC



Joseph Teusch, PE
 Vice President

c: Andy Martin, Joe Dinkel, file

Attachment A – Scope of Services

ATTACHMENT A

SCOPE OF SERVICES

We understand your request for services for Greeley and Hansen to provide Field Engineering services for your Generator Controls Upgrade project. The scope for this effort includes Field Engineer services for the Construction, Testing and Commissioning of the new Generator Control System as summarized below.

- Full-time on-site support of a Field Engineer during Construction, Testing and Commissioning (preliminary dates are 10/16 to 11/7)
- Site support may include evenings (up to 10-hour workdays) and weekends (up to 8-hour workdays)
- The RE would be responsible for ensuring the Construction is being executed in accordance with the drawings and scope documents
- Scope includes providing as-built record drawings for the Generator Control System and Switchgear Modifications

For the proposal, we have assumed 23 days of construction duration.

- Project will be primarily supported by Mike Wagner and Dan Romza. Additional support staff maybe provided based on the project schedule and resource availability.
- CAD support will be provided for as-built drawings. It is assumed CAD files will be provided for revision by Greeley and Hansen. If CAD files are not provided, Greeley and Hansen will provide PDF markups of PDF files for as-built drawings.