



AGENDA – Engineering and Construction Committee

Thursday, June 20, 2024 6:00 PM

Committee Members

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

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

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

- III. Report of Status of Operations and Construction
- IV. **Resolution R-37-24:** A Resolution to Approve & Ratify Work Authorization Order No. 26 Under Quick Response Contract QR-12/21. **(Benchmark Construction Co., Inc. – \$79,803.59)**
- V. **Resolution R-38-24:** A Resolution to Approve Work Authorization Order No. 27 Under Quick Response Contract QR-12/21 **(Rossi Contractors – Estimated Cost of \$149,350)**
- VI. **Resolution R-39-24:** A Resolution Approving Task Order Nos. 03 and 04 under a Master Contract with Burns & McDonnell Engineering Co., Inc. **(Combined Estimated Cost of \$38,780)**
- VII. **Resolution R-40-24:** A Resolution Approving Task Order No. 02 and 03 under a Master Contract with Christopher B. Burke Engineering, Ltd. **(Combined Estimated Cost of \$159,630)**

RECOMMENDED MOTION: To recommend approval of Items 2 through 5 of the under the Engineering and Construction Committee Report section of the Commission meeting agenda.

- VIII. Other
- IX. Adjournment

Minutes of a Meeting
of the

ENGINEERING & CONSTRUCTION COMMITTEE

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

April 18, 2024

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

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

Committee members absent: J. Zay

Also in attendance: C. Bostick, D. Cuvalo, and J. Loster

Commissioner Bouckaert moved to approve the Minutes of the March 21, 2024, Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

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

Manager of Water Operations Bostick advised the Committee that High Lift Pump #9 is under repair and tentatively scheduled to be completed by the end of April with installation and start-up is tentatively scheduled for early May.

Manager of Water Operations Bostick advised the Committee that the purchased Water Quality Analyzers and Panels from Hach Chemical Company are scheduled for installation in May.

Regarding the ongoing discussions on alternate water sources, Manager of Water Operations Bostick advised the Committee that Carollo Engineers have refined their Alternative Water Supply Source report including revisions to the scale of the facility designs and identification of associated impacts and the report is currently in draft form.

Regarding R-33-24, Manager of Water Operations Bostick advised the Committee that this action would allow the purchase of equipment, installation and commissioning services of additional security measures for the Emergency Generation Facility expansion project from a sole source provider.

Engineering Manager Loster reported on the progress of the Emergency Generation System Modifications Project (PSD-10/22) and stated that work is ongoing. He noted that interior work such as HVAC, electrical and painting is currently taking place and that the newly placed generator is scheduled for start-up and testing at the end of the month. Engineering Manager Loster indicated that aside from the generator work, remaining tasks include generally minor improvements which should lead to project completion in June of this year.

Engineering Manager Loster also reported that Resolution R-35-24 appears on the agenda to approve Task Order No. 08 with Northern Inspection Services to complete a Cathodic Protection Test Point Survey on Commission pipelines at a cost not-to-exceed \$60,005. This work, when analyzed and compared to previous years' surveys will allow Staff to determine which pipes are currently adequately protected and will help inform scopes of work for future Cathodic Improvement Projects.

Engineering Manager Loster provided a WaterLink update, indicating that there are no major items to report. He reminded the Committee that the Intergovernmental Agreement (IGA) and Phase II Contract were both approved by the Commission at the March meeting and that the three WaterLink Communities have approved the IGA as well. He also noted that the initial escrow deposits have been made by the WaterLink Communities and, as such, Phase II is officially underway. Engineering Manager Loster noted that Staff continues to work with the design team to coordinate with outside agencies such as ComEd, IDOT and other transportation departments in an effort to further refine the project. He also indicated that a specific alternatives analysis on a segment of the project along Book Road at Springbrook Prairie in Naperville has recently been completed as the initial conceptual plan was to install the pipeline within the pavement and realizing the impacts to the public that this approach would generate, the team wanted to determine whether or not it was feasible to move the pipe alignment outside the limits of the roadway. However, he noted, after completing the analysis it was determined that maintaining the alignment within the roadway was not only the most economical approach but also the one best suited to maintain the project schedule moving forward. Engineering Manager Loster noted that additional/similar efforts will be taken as they arise if it appears that alternative pipeline routes may provide benefits related to cost, schedule or adverse impacts to the general public.

Chairman Fennell inquired as to the progress in development of a scope of work and proposals for a Commission Quick Response Contractor to perform an exploratory excavation on the East Discharge Main of the DuPage Pump Station. Manager of Water Operations Bostick advised the Committee that the proposals were received however Staff was not satisfied with the format of the proposals and will be reaching out to the QR contractors to resubmit in an acceptable format.

Chairman Fennell inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Bouckaert moved to recommend approval of items 2 and 3 of the Engineering and Construction Committee portion of the Commission Agenda (Items IV and V on the Engineering and Construction Committee Agenda). Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Commissioner Fennell asked the Committee if any other business or other items to be discussed. Hearing none, and with no other items coming before the Committee, Commissioner Saverino moved to adjourn the meeting at 6:16 P.M. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.



MEMORANDUM

To: Paul May – General Manager

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

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

Date: 5/9/2024

Subject: Status of Operations, Engineering and Construction

Operations Overview

The Commission's sales for April 2024 were a total of 1.95 billion gallons. This represents an average daily demand of 65.0 million gallons per day (MGD), which is lower than the April 2023 average day demand of 65.5 MGD. The maximum day demand was 71.5 MGD recorded on April 20, 2024, which is higher than the April 2023 maximum day demand of 69.5 MGD. The minimum day flow was 58.8 MGD.

The recorded total precipitation for April 2024 was 3.73 inches compared to 2.98 inches for April 2023. The level of Lake Michigan for April 2024 is 578.77 (Feet International Great Lakes Datum (IGLD) 1985) compared to 579.23 (Feet IGLD 1985) for April 2023.

Operations & Instrumentation Maintenance and Construction Overview

High Lift Pump #9 is under repair and is tentatively scheduled to be completed in mid-May. Installation and start-up are tentatively scheduled for late May.

Six (6) Water Quality Analyzers for the remote tank sites and two (2) Water Distribution Panels for the DuPage Pumping Station were purchased in March 2024. Procurement of installation hardware is in process. Installation is tentatively scheduled to start in May.

Alternate Water Source Study

Carollo Engineers has submitted Technical Memorandum No. 09 to their Alternative Water Supply Source report which includes revisions to the scale of the facility designs and

identification of associated impacts for servicing DWC and NSMJAWA only. The revised report has been shared with the entire Board.

Pipeline & Remote Facilities Maintenance Overview

Pipeline staff continue inspecting Remote Facilities and Rectifiers and performing maintenance and corrective work as needed.

Pipeline staff are performing the annual air release valve structure inspections.

Pipeline staff continue monitoring I-294 (NB and SB) Tollway construction work in the vicinity of the Commission's 72-inch and 90-inch water mains.

Pipeline engaged a Quick Response Contractor on May 3rd to commence excavation and repair of a 16" watermain leak located in the Village of Addison. This work includes coordination with the Addison Fire Department to maintain access to their fire station facilities and several utilities which lie in proximity to the leak.

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

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The majority of the SCADA network installation, configuration, and testing has been completed, with the site acceptance test completed on the week of April 29th. The DWC campus control panel replacement began with the backup telemetry system cabinet on April 15th and has continued to subsequent RTU panels throughout the campus. The campus control panel replacement is anticipated to be completed in June, which will then transition to the replacement of the remote site control panel starting with Lexington. In addition to the control panel and SCADA installation, the security camera replacement has begun and is anticipated to be completed in June, the new server was installed and integrated.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) Project is ongoing. As of late April, the contractor successfully started up generator five. Concurrently, efforts are focused on completing flooring work and finalizing a punch list. The project's overall completion target remains set for June 2024.

WaterLink Communities (Montgomery/Oswego/Yorkville)

The Phase II engineering effort has begun, with additional field investigations currently underway. Phase II engineering requires a much more specific level of design than Phase I engineering and, as such, field work to determine specifics such as soil types, pavement cross sections and existing utility locations are necessary in helping to determine ideal alignments for the proposed piping associated with the WaterLink Project.

Coordination with major permitting authorities will continue throughout Phase II, with agencies like ComEd, IDOT and the Army Corps of Engineers. Holding regular meetings with these agencies ensures that the WaterLink Project continues to progress through the regulatory steps necessary to acquire permits/approvals for construction.

During the month of April, Commission staff and the LAN team also had the opportunity to tour two large-diameter pipe manufacturing plants (steel and prestressed concrete cylinder pipe) as well as a newly constructed water treatment plant.

Commission staff will continue to work with the LAN team throughout Phase II in reviewing and advancing critical path items in order to reduce project costs, construction duration, and disturbance to the general public.

Attachments

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

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Apr-24

PER DAY AVERAGE 77,901,415

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%	\$11,154,663.80	\$9,595,059.05	2,891,786	0.13%	97.13%	\$5.18	\$4.322
Nov-22	1,919,552,000	1,979,550,491	96.97%	\$9,943,279.36	\$8,555,617.22	1,008,092	0.05%	97.02%	\$5.18	\$4.322
Dec-22	2,071,113,000	2,123,449,660	97.54%	\$10,728,365.34	\$9,177,549.43	552,389	0.03%	97.56%	\$5.18	\$4.322
Jan-23	2,014,750,000	2,060,255,805	97.79%	\$10,436,405.00	\$8,904,425.59	337,423	0.02%	97.81%	\$5.18	\$4.322
Feb-23	1,835,597,000	1,883,158,917	97.47%	\$9,508,392.46	\$8,139,012.84	529,206	0.03%	97.50%	\$5.18	\$4.322
Mar-23	1,971,974,000	2,026,257,691	97.32%	\$10,214,825.32	\$8,757,453.41	306,690	0.02%	97.34%	\$5.18	\$4.322
Apr-23	1,962,197,000	2,010,451,747	97.60%	\$10,164,180.46	\$8,689,172.45	349,596	0.02%	97.62%	\$5.18	\$4.322
May-23	2,474,377,000	2,540,440,833	97.40%	\$13,336,892.03	\$10,979,785.28	684,441	0.03%	97.43%	\$5.39	\$4.322
Jun-23	2,971,436,000	3,043,540,086	97.63%	\$16,016,040.04	\$13,814,628.45	678,930	0.02%	97.65%	\$5.39	\$4.539
Jul-23	2,567,425,000	2,639,887,376	97.26%	\$13,838,420.75	\$11,982,448.80	1,047,600	0.04%	97.29%	\$5.39	\$4.539
Aug-23	2,708,945,000	2,773,069,509	97.69%	\$14,601,213.55	\$12,586,962.50	832,992	0.03%	97.72%	\$5.39	\$4.539
Sep-23	2,406,858,000	2,471,708,096	97.38%	\$12,972,964.62	\$11,219,083.05	753,904	0.03%	97.41%	\$5.39	\$4.539
Oct-23	2,071,291,000	2,116,545,770	97.86%	\$11,164,258.49	\$9,607,001.25	1,034,131	0.05%	97.91%	\$5.39	\$4.539
Nov-23	1,902,725,000	1,957,768,374	97.19%	\$10,255,687.75	\$8,886,310.65	809,342	0.04%	97.23%	\$5.39	\$4.539
Dec-23	1,972,754,000	2,031,158,416	97.12%	\$10,633,144.06	\$9,219,428.05	2,329,064	0.11%	97.24%	\$5.39	\$4.539
Jan-24	2,058,390,000	2,131,445,175	96.57%	\$11,094,722.10	\$9,674,663.60	730,427	0.03%	96.61%	\$5.39	\$4.539
Feb-24	1,868,175,000	1,916,869,806	97.46%	\$10,069,463.25	\$8,700,672.05	268,834	0.01%	97.47%	\$5.39	\$4.539
Mar-24	1,927,795,000	1,971,770,225	97.77%	\$10,390,815.05	\$8,949,831.10	340,529	0.02%	97.79%	\$5.39	\$4.539
Apr-24	1,951,120,000	1,992,959,991	97.90%	\$10,516,536.80	\$9,046,045.40	426,636	0.02%	97.92%	\$5.39	\$4.539
TOTALS (1)	910,511,738,798	936,749,039,647	97.20%	\$2,287,280,998.76	\$2,020,098,597.40	871,508,970	0.09%	97.29%	\$2.51	\$2.157

(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

Apr-23	26,796,006,000	27,559,639,346	97.23%	138,803,311	118,629,819			\$5.18	\$4.304
Apr-24	26,881,291,000	27,587,163,657	97.44%	144,890,158	124,666,860			\$5.39	\$4.519
	85,285,000	27,524,311		\$6,086,847	\$6,037,041				
	0.3%	0.1%		4.4%	5.1%				
Month									
Apr-23	1,962,197,000	2,010,451,747	97.60%	10,164,180	8,689,172			\$5.18	\$4.322
Apr-24	1,951,120,000	1,992,959,991	97.90%	10,516,537	9,046,045			\$5.39	\$4.539
	(11,077,000)	(17,491,756)		\$352,356	\$356,873				
	-0.6%	-0.9%		3.5%	4.1%				
Apr>Mar	23,325,000	21,189,766		125,722	96,214				

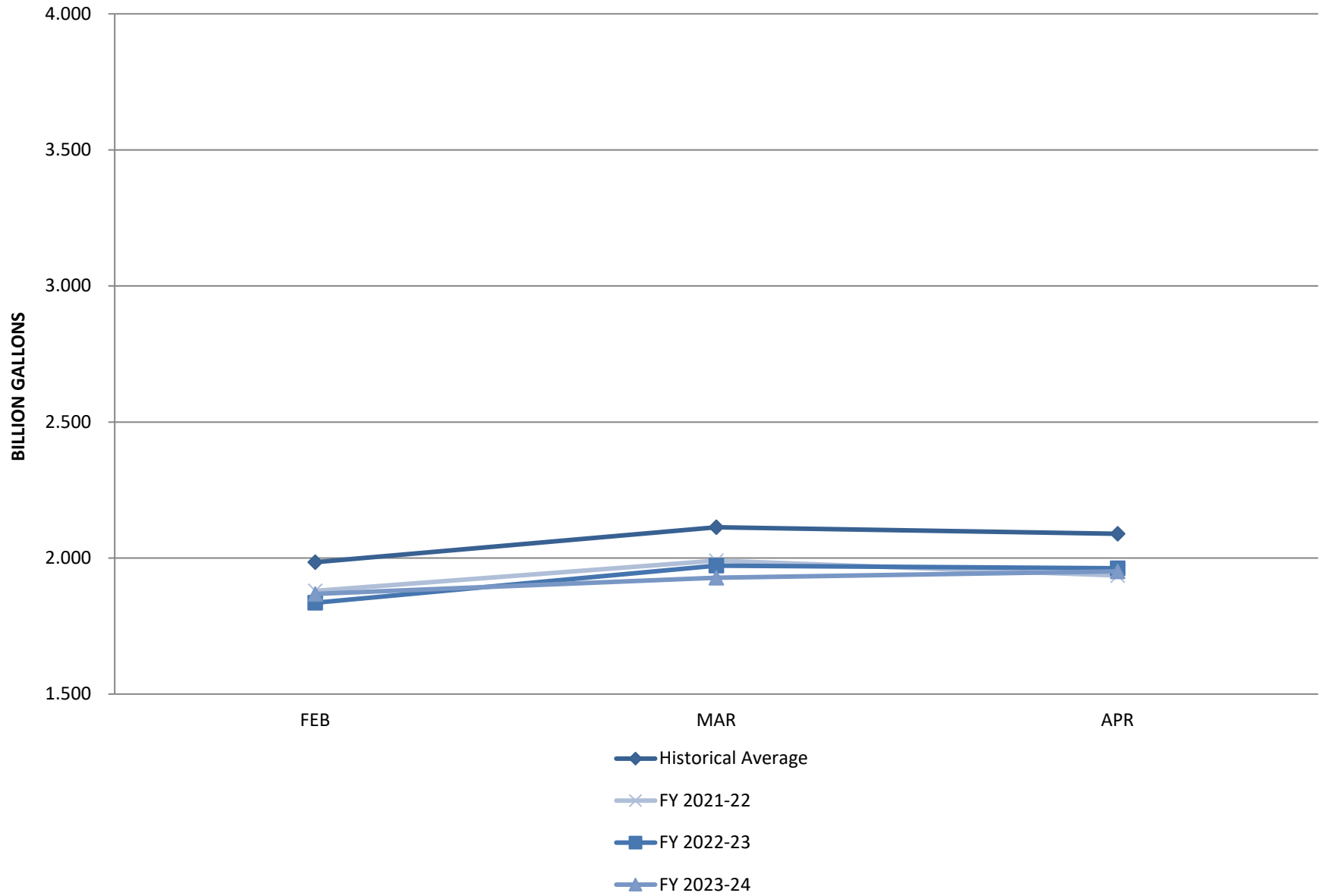
DUPAGE WATER COMMISSION
 PWS FACILITY ID# - IL435400
 MONTHLY OPERATIONS REPORT
 DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
 APRIL 2024

DATE	LEXINGTON P.S. SUPPLY				DUPAGE P.S. DISCHARGE								ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)		FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)		
1	1.37	0.06	0.57		1.28	0.08	53	7.6	0.7	0.60	0	RC	
2	1.45	0.06	0.61		1.35	0.06	53	7.5	0.8	0.54	0	RC	
3	1.51	0.06	0.55		1.31	0.07	54	7.5	0.7	0.57	0	RC	
4	1.47	0.06	0.61		1.28	0.07	53	7.6	0.8	0.59	0	RC	
5	1.42	0.06	0.55		1.32	0.07	54	7.6	0.8	0.58	0	RC	
6	1.40	0.06	0.58		1.34	0.09	54	7.6	0.9	0.60	0	AM	
7	1.43	0.07	0.57		1.36	0.09	53	7.5	0.8	0.59	0	AM	
8	1.22	0.07	0.58		1.26	0.09	54	7.6	0.8	0.57	0	RC	
9	1.36	0.07	0.60		1.33	0.08	53	7.6	0.7	0.61	0	RC	
10	1.44	0.09	0.59		1.36	0.09	52	7.5	0.7	0.56	0	AM	
11	1.43	0.09	0.61		1.39	0.08	53	7.6	0.7	0.59	0	AM	
12	1.44	0.08	0.60		1.42	0.10	53	7.5	0.6	0.59	0	AM	
13	1.40	0.08	0.58		1.43	0.09	53	7.6	0.7	0.60	0	JS	
14	1.46	0.07	0.60		1.41	0.09	54	7.5	0.7	0.58	0	AM	
15	1.45	0.08	0.58		1.38	0.09	53	7.6	0.8	0.55	0	AM	
16	1.40	0.09	0.60		1.36	0.10	54	7.5	0.8	0.58	0	AM	
17	1.39	0.08	0.59		1.38	0.09	54	7.6	0.8	0.59	0	JS	
18	1.41	0.08	0.59		1.41	0.09	53	7.6	0.7	0.60	0	JS	
19	1.45	0.08	0.60		1.44	0.08	54	7.5	0.7	0.58	0	JS	
20	1.39	0.06	0.59		1.37	0.09	55	7.5	0.8	0.57	0	AM	
21	1.36	0.06	0.57		1.33	0.09	55	7.4	0.9	0.55	0	AM	
22	1.34	0.06	0.59		1.31	0.08	55	7.4	0.8	0.58	0	JS	
23	1.46	0.06	0.60		1.45	0.09	55	7.5	0.9	0.61	0	JS	
24	1.40	0.07	0.58		1.37	0.08	55	7.4	0.8	0.59	0	AM	
25	1.38	0.08	0.56		1.35	0.09	55	7.5	0.9	0.57	0	AM	
26	1.41	0.08	0.59		1.34	0.08	56	7.6	0.9	0.58	0	AM	
27	1.37	0.07	0.61		1.30	0.08	56	7.5	0.9	0.59	0	AM	
28	1.25	0.07	0.62		1.29	0.08	57	7.6	0.7	0.60	0	KD	
29	1.40	0.07	0.61		1.31	0.08	57	7.5	0.9	0.57	0	AM	
30	1.39	0.08	0.61		1.29	0.10	57	7.5	0.9	0.59	0	AM	
31													
AVG.	1.40	0.07	0.59		1.35	0.08	54	7.5	0.8	0.58	0		
MAX.	1.51	0.09	0.62		1.45	0.10	57	7.6	0.9	0.61	0		
MIN.	1.22	0.06	0.55		1.26	0.06	52	7.4	0.6	0.54	0		

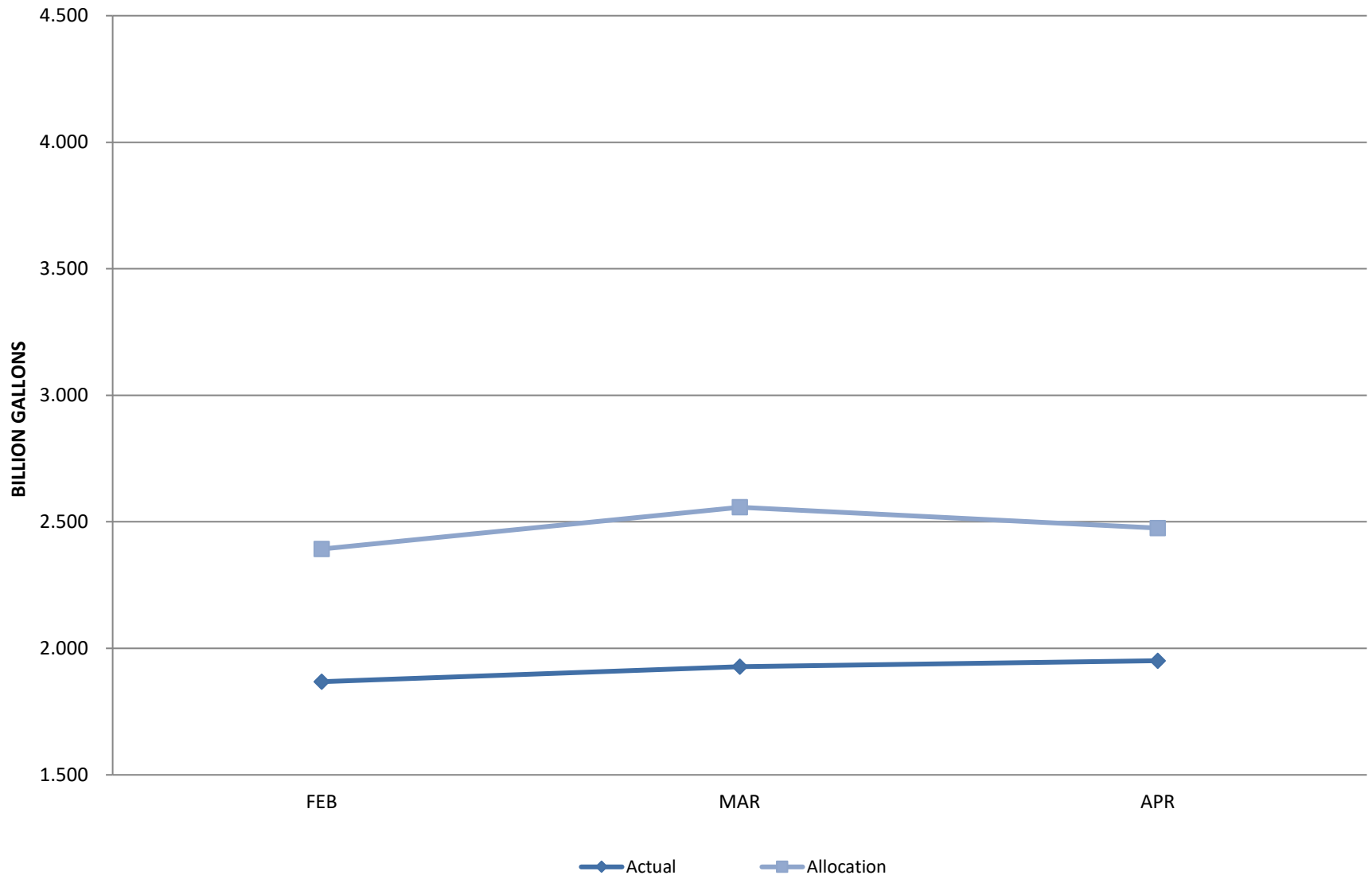

 Date 5/6/24

Mike Weed, Operations Supervisor
 Illinois ROINC # 186860234

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



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





MEMORANDUM

To: Paul May – General Manager

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

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

Date: 6/13/2024

Subject: Status of Operations, Engineering and Construction

Operations Overview

The Commission's sales for May 2024 were a total of 2.26 billion gallons. This represents an average daily demand of 73.0 million gallons per day (MGD), which is lower than the May 2023 average day demand of 79.4 MGD. The maximum day demand was 83.4 MGD recorded on May 23, 2024, which is lower than the May 2023 maximum day demand of 103.4 MGD. The minimum day flow was 65.8 MGD.

The recorded total precipitation for May 2024 was 4.06 inches compared to .54 inches for May 2023. The level of Lake Michigan for May 2024 is 579.33 (Feet International Great Lakes Datum (IGLD) 1985) compared to 579.66 (Feet IGLD 1985) for May 2023.

DuPage Operations & Instrumentation Maintenance and Construction Overview

The 2024 Meter Testing Program is in process and 17% complete.

High Lift Pump #9 repairs are complete, installation is tentatively scheduled for the week of June 10th.

High Lift Pump Motor #2 tripped out and was locked out of service in May due to onboard electronic equipment failure. Repairs were made by in-house staff and the motor is back in service.

Six (6) Water Quality Analyzers for the remote tank sites and two (2) Water Distribution Panels for the DuPage Pumping Station were purchased in March 2024. All installation hardware is received. Panel building and Installation are tentative for July.

Lexington Operations and Maintenance Overview

Chicago Department of Water Management (DWM) has been engaging with DWC staff on the content of the 2023 Lexington Pump Station Condition Assessment. The discussions have centered around the Emergency Generator System Controls and the Pumping System Vibration Analysis equipment and the lack thereof. Quotes have been received to correct these deficiencies and discussions have taken place about the use of the 2007 Lexington Pump Station Enhanced Maintenance Agreement wherein DWC will control the work, fund the work and recoup the DWM applicable expenses via a 10% credit on the monthly water billing.

In addition, DWC staff engaged a local firm specializing in photovoltaic systems to evaluate and report on the operability of the Lexington PV system. DWC Staff have received the report and is awaiting a planning level cost estimate to return the PV system to full functionality.

Alternate Water Source Study

Carollo Engineers has submitted Draft Technical Memorandum No. 09 to their Alternative Water Supply Source report which includes revisions to the scale of the facility designs and identification of associated impacts for servicing DWC and NSMJAWA only. The revised Draft report has been shared with the entire Board.

R-40-24 appears on the agenda to approve Task Order Nos. 02 and 03 with Christopher B. Burke Engineering, Ltd. to develop a preliminary site plan for the Northbrook property and also indeterminate assistance with other necessary work as it arises from the development of the preliminary site plan.

Pipeline & Remote Facilities Maintenance Overview

Pipeline staff continue inspecting Remote Facilities and Rectifiers and performing maintenance and corrective work as needed.

Pipeline staff are performing the annual air release valve structure inspections.

Pipeline staff continue monitoring I-294 (NB and SB) Tollway construction work in the vicinity of the Commission's 72-inch and 90-inch water mains.

Pipeline is performing construction work improving drainage conditions at Meter Station locations.

Resolution R-37-24 appears on the agenda to approve and ratify Work Authorization Order No. 026 to Quick Response Contractor Benchmark Construction Co. Inc. WAO No. 026 was approved in advance to perform repairs on a leaking 16" diameter meter station feeder water main which services the Village of Addison.

Resolution R-38-24 appears on the agenda to approve Work Authorization Order No. 027 to Quick Response Contractor, Rossi Contractors, Inc. The work is necessary due to the deteriorating conditions of various types of vault structures and surrounding pavement found during routine inspections by staff.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The new SCADA control network installation, configuration, and testing has been substantially completed. The DWC campus control panel replacement is ongoing with roughly half of the campus panels replaced and tested. The campus control panel replacement is anticipated to be completed in July, which will then transition to the replacement of the remote site control panel starting with Lexington and then transitioning to the Tank Sites. The replacement of the security cameras around the DWC campus is ongoing and is anticipated to be complete by the end of June. The SCADA Replacement Project includes the inspection and maintenance of all remote site antenna systems which is kicking off this month and is anticipated to continue throughout the year. The fiber replacement work for the DWC campus is anticipated to begin in September following the completion of all control and network upgrades, and the replacement kicking off with the addition of a new duct bank to complete a ring topology for the new fiber network.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) Project is wrapping up. As of early June, all major project components have been installed and tested and are functioning as intended. Minor punchlist tasks and a small number of installation components associated with the electrical, HVAC and fuel systems are all that remain. Though the project's overall completion target is currently set for the end of June 2024, a final balancing change order is expected at the next Board meeting that will likely extend the final project completion date to some degree.

WaterLink Communities (Montgomery/Oswego/Yorkville)

The Phase II engineering effort remains ongoing, with continued field investigation and design work taking place on a daily basis. The data collected during the field work in Phase II, such as soil types, pavement cross sections and existing utility locations are helpful in determining the ideal pipe alignment for the WaterLink Project.

Coordination with major permitting authorities will also continue throughout Phase II as their cooperation with the project is critical to its success. Weekly calls remain scheduled with ComEd and agencies like IDOT and the Army Corps of Engineers are contacted on an ongoing basis, as needed. By way of example, the design team will likely request a change order on an upcoming IDOT project to accommodate the future WaterLink work, rather than the WaterLink Project being required to accommodate a by-then completed IDOT project at a much higher cost. Maintaining contact with these agencies ensures that the WaterLink Project continues to progress through the regulatory steps necessary to acquire permits and approvals for construction in a manner that is cost effective.

Commission Staff also recently initiated discussions with the WaterLink communities to begin working on specific design elements for the seven metering stations that will be needed throughout the project area and held a workshop to discuss the ideal way in which the project can be split up for optimal bidding results. Commission staff will continue to work with the LAN Engineering team throughout Phase II in reviewing and advancing critical path items in order to reduce project costs, construction duration, and disturbance to the general public.

Board Action Items

Resolution R-37-24: A Resolution to Approve & Ratify Work Authorization Order No. 26 Under Quick Response Contract QR-12/21. **(Benchmark Construction Co., Inc. – \$79,803.59)**

Resolution R-38-24: A Resolution to Approve Work Authorization Order No. 27 Under Quick Response Contract QR-12/21 **(Rossi Contractors – Estimated Cost of \$149,350)**

Resolution R-39-24: A Resolution Approving Task Order Nos. 03 and 04 under a Master Contract with Burns & McDonnell Engineering Co., Inc. **(Combined Estimated Cost of \$38,780)**

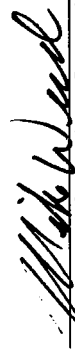
Resolution R-40-24: A Resolution Approving Task Order No. 02 and 03 under a Master Contract with Christopher B. Burke Engineering, Ltd. **(Combined Estimated Cost of \$159,630)**

Attachments

1. DuPage Laboratory Bench Sheets for May 2024
2. Water Sales Analysis 01-May-2020 to 31-May-2024
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation
5. WaterLink Status Report

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

DATE	LEXINGTON P.S. SUPPLY				DUPAGE P.S. DISCHARGE								ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)		FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)		
1	1.34	0.08	0.60		1.36	0.09	57	7.5	0.8	0.59	0	JS	
2	1.39	0.09	0.61		1.40	0.09	57	7.6	0.9	0.60	0	JS	
3	1.31	0.08	0.58		1.31	0.09	58	7.6	0.9	0.60	0	JS	
4	1.30	0.08	0.58		1.28	0.09	58	7.6	0.9	0.61	0	KD	
5	1.36	0.05	0.63		1.28	0.08	60	7.5	0.8	0.63	0	KD	
6	1.34	0.08	0.61		1.34	0.08	59	7.6	0.8	0.60	0	JS	
7	1.34	0.09	0.60		1.30	0.09	59	7.7	0.9	0.61	0	JS	
8	1.37	0.07	0.54		1.29	0.12	60	7.5	0.8	0.62	0	KD	
9	1.36	0.07	0.54		1.19	0.11	59	7.5	0.8	0.60	0	KD	
10	1.28	0.08	0.59		1.19	0.10	59	7.5	0.9	0.59	0	KD	
11	1.40	0.06	0.55		1.25	0.07	59	7.5	0.9	0.60	0	RC	
12	1.31	0.06	0.63		1.28	0.07	59	7.5	0.9	0.61	0	KD	
13	1.32	0.07	0.63		1.29	0.09	60	7.5	0.8	0.62	0	KD	
14	1.25	0.07	0.60		1.30	0.06	60	7.5	0.8	0.61	0	KD	
15	1.35	0.07	0.58		1.27	0.08	59	7.5	0.7	0.62	0	RC	
16	1.31	0.06	0.68		1.28	0.07	59	7.5	0.8	0.60	0	RC	
17	1.31	0.05	0.64		1.24	0.09	60	7.5	0.8	0.59	0	RC	
18	1.38	0.05	0.57		1.34	0.07	60	7.6	0.7	0.60	0	KD	
19	1.42	0.16	0.63		1.38	0.05	60	7.5	0.7	0.64	0	KD	
20	1.32	0.06	0.60		1.38	0.08	60	7.5	0.8	0.59	0	RC	
21	1.42	0.06	0.58		1.25	0.07	61	7.5	0.7	0.57	0	RC	
22	1.45	0.05	0.56		1.33	0.06	61	7.5	0.8	0.59	0	RC	
23	1.37	0.07	0.58		1.36	0.06	61	7.5	0.9	0.61	0	JS	
24	1.34	0.05	0.55		1.20	0.09	62	7.5	0.7	0.60	0	RC	
25	1.37	0.05	0.58		1.30	0.08	62	7.5	0.7	0.61	0	RC	
26	1.30	0.07	0.65		1.25	0.08	62	7.5	0.7	0.56	0	RC	
27	1.36	0.07	0.61		1.30	0.07	62	7.5	0.7	0.61	0	KD	
28	1.31	0.07	0.59		1.28	0.07	62	7.5	0.7	0.60	0	KD	
29	1.43	0.07	0.61		1.37	0.06	62	7.5	0.7	0.61	0	RC	
30	1.35	0.12	0.63		1.34	0.07	62	7.5	0.8	0.59	0	RC	
31	1.27	0.07	0.60		1.24	0.08	62	7.5	0.8	0.60	0	RC	
AVG.	1.35	0.07	0.60		1.30	0.08	60	7.5	0.8	0.60	0		
MAX.	1.45	0.16	0.68		1.40	0.12	62	7.7	0.9	0.64	0		
MIN.	1.25	0.05	0.54		1.19	0.05	57	7.5	0.7	0.56	0		



 Mike Weed, Operations Supervisor
 Illinois ROINC # 186860234
 Date: 6/4/24



MONTHLY STATUS REPORT

LAN PROJECT #: 128-10031-001

PROJECT: DuPage Water Commission WaterLink Extension Phase I & II

REPORT DATE: April 8, 2024

MEETING DATE: April 18, 2024

I. Progress through April 5, 2024

A. Field data collection and surveying.

1. Final cadastral surveying work ongoing.
 - a) 7 of 13 additional sections authorized in Phase 1 complete. Completion anticipated by end of April.
2. Existing structure rim/invert data collection ongoing.
 - a) Field work began April 1.
3. Processing of collected Aerial LIDAR data near completion.
 - a) 100% of original scope complete. Overall width of data processing being increased to facilitate design drawing set-up and minimize future re-work. Completion anticipated within 30 days.
4. Subsurface Utility Locates
 - a) 9,000 LF field collected and processed thru CAD along Orchard/Galena/Tuscany Trail. 6,000 LF field collected and measured along Harvey Rd. CAD processing in progress.
5. Utility Potholing Locates
 - a) Two (2) completed at Galena Road. Awaiting permits from Naperville, Wheatland Twp, and DuPage DOT to proceed on Book Rd corridor.
6. Geotechnical
 - a) Collection of Phase II geotechnical borings scheduled to begin April 29.

B. Data Collection (as-builts, GIS, design drawings).

1. IDOT District 3 provided update on utilities along IL Route 71.
 - a) Majority of utilities have been relocated to accommodate IDOT widening work. Comcast relocations pending.
 - b) Data collection ongoing.



**Lockwood, Andrews
& Newnam, Inc.**
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MONTHLY STATUS REPORT

- C. Revised Draft Project Development Report (PDR) was forwarded to WaterLink communities in February.
 - 1. PDR includes copies of all studies completed during Phase I, as well as route recommendations, hydraulic modeling results, preliminary pipeline plan and profile drawings, and opinions of cost.
 - 2. WaterLink comments have been addressed.
 - 3. Coordination with WaterLink is ongoing to finalize PDR.
- D. Ongoing Coordination with ComEd.
 - 1. Awaiting approval to access ComEd property for Phase II survey, geotechnical, and utility locate work.
 - 2. Subsequent ComEd design reviews and coordination will be performed during Phase II design.
- E. Further analysis of route options performed for pipeline along Book Road.
 - 1. Options include possibility of placing pipeline within easement in Springbrook Prairie Forest Preserve property.
 - 2. Additional coordination with Forest Preserve District of DuPage County and Illinois Nature Preserves Commission will be performed, as needed.

II. Scope Changes (to date)

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



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MONTHLY STATUS REPORT

III. Financials

- A. Total Phase I Contract: \$4,263,649
 - 1. Fee Expended through March 31, 2024:
 - a) Total: \$3,535,338 (83%)
 - 1) Basic Services: \$2,074,465 (48.7%)
 - 2) Additional Services: \$1,460,874 (34.3%)
- B. Total Phase II Contract: \$19,956,942
 - 1. Fee Expended through March 31, 2024:
 - a) Total: \$0 (0%)
 - 1) Basic Services: \$0 (0%)
 - 2) Additional Services: \$0 (0%)

IV. Completed Workshops, Meetings and Visits (March-April)

- A. WaterLink PDR Review Workshop and Phase II Design Discussion – March 5, 2024.
- B. ComEd Monthly Coordination Meeting – March 6, 2024.
- C. Book Rd / Springbrook Prairie Route Option Design Discussion with DWC – March 21, 2024.
- D. IDOT District 1 Coordination Meeting – April 3, 2024.

V. Upcoming Tasks & Meetings

- A. ComEd Monthly Coordination Meeting – April 10, 2024.
- B. Coordination with Forest Preserve District of DuPage County and Illinois Nature Preserves Commission for Book Rd.
- C. Coordination with WaterLink to finalize delivery point sizing and locations.
- D. Preliminary project review meeting with U.S. Army Corps of Engineers for Fox River crossing discussion.
- E. Phase II subsurface utility engineering (SUE) utility locating and potholing.
- F. Phase II topographic surveying and field data collection along final route.
- G. Phase II geotechnical field work.



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

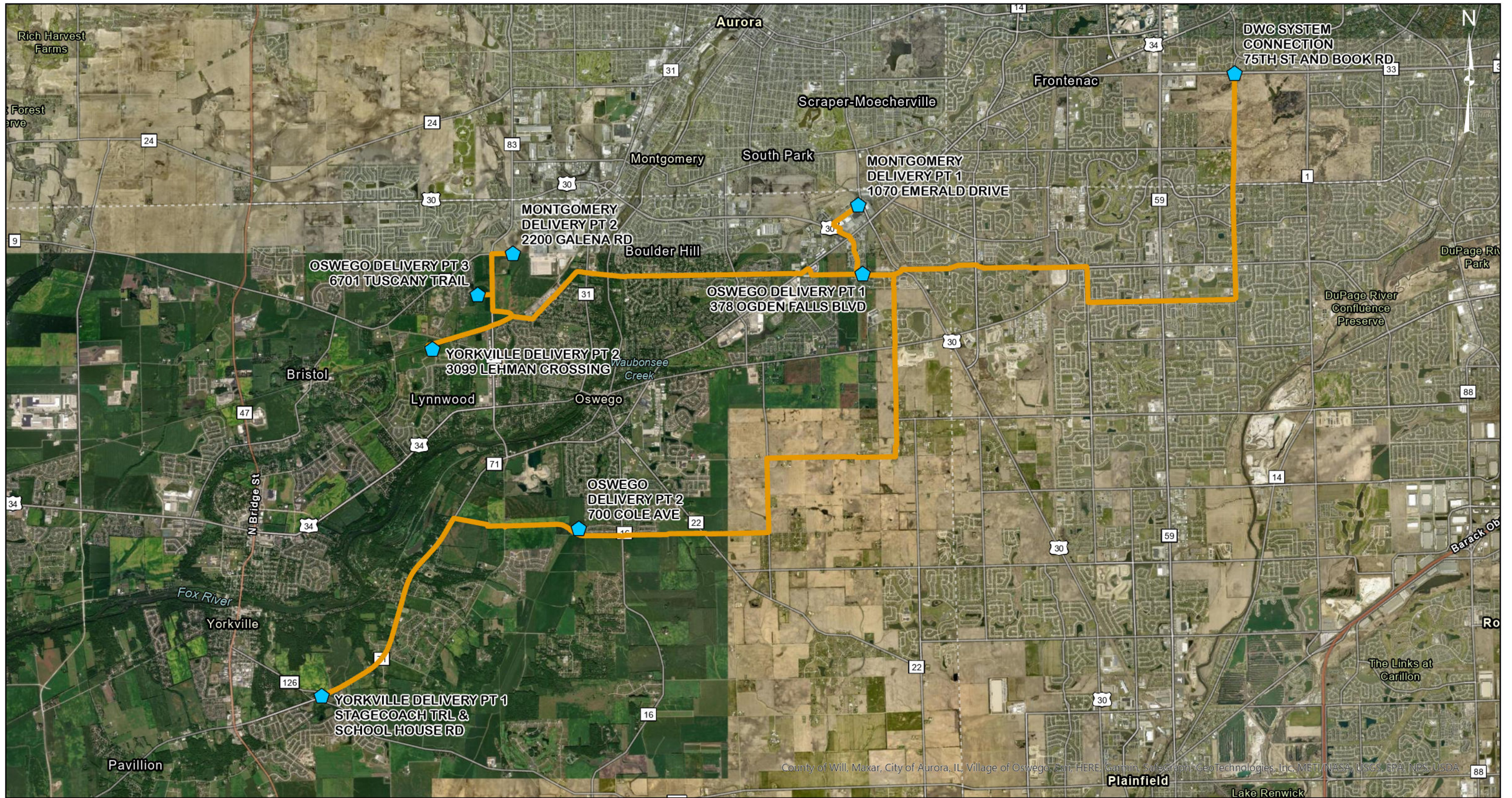
Description	Activity through June 30, 2023	Activity through July 31, 2023	Activity through September 01, 2023	Activity through September 29, 2023	Activity through October 31, 2023	Activity through November 30, 2023	Activity through December 31, 2023	Activity through January 31, 2024	Activity through February 29, 2024	Activity through March 31, 2024	Planned
	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	April 2024	May 2024
Basic Services	\$ 95,434	\$ 160,905	\$ 251,845	\$ 196,686	\$ 302,911	\$ 310,567	\$ 381,091	\$ 151,395	\$ 94,589	\$ 129,042	\$ 260,000
Additional Services	\$ 67,212.00	\$ 361,804	\$ 403,110	\$ 100,162	\$ 97,700	\$ 49,146	\$ 102,503	\$ 121,475	\$ 128,509	\$ 29,253	\$ 200,000
MONTHLY TOTALS	\$ 162,646	\$ 522,709	\$ 654,956	\$ 296,848	\$ 400,611	\$ 359,713	\$ 483,593	\$ 272,870	\$ 223,098	\$ 158,294	\$ 460,000
TOTAL PHASE I PROJECTED FEE									\$ 3,995,339		
TOTAL PHASE I CONTRACT									\$ 4,263,649		



**Cash Flow/Invoicing Forecast - Phase II Services
DuPage Water Commission
WaterLink Extension**

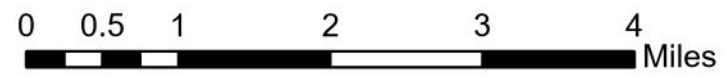
Description	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	
	May 2024	June 2024	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025	July 2025	August 2025	September 2025
Basic Services	\$ 876,344	\$ 876,344	\$ 876,344	\$ 876,344	\$ 1,001,536	\$ 1,126,728	\$ 1,126,728	\$ 1,126,728	\$ 1,126,728	\$ 1,001,536	\$ 1,001,536	\$ 751,152	\$ 250,384	\$ 125,192	\$ 125,192	\$ 125,192	\$ 125,192
Additional Services	\$ 864,266	\$ 1,337,587	\$ 1,209,473	\$ 847,300	\$ 426,433	\$ 290,744	\$ 225,124	\$ 207,982	\$ 330,058	\$ 318,851	\$ 309,854	\$ 322,020	\$ 210,726	\$ 178,750	\$ 178,750	\$ 179,830	\$ -
SUBTOTAL	\$ 1,740,610	\$ 2,213,930	\$ 2,085,816	\$ 1,723,644	\$ 1,427,968	\$ 1,417,471	\$ 1,351,851	\$ 1,334,710	\$ 1,456,785	\$ 1,320,387	\$ 1,311,389	\$ 1,073,172	\$ 461,110	\$ 303,942	\$ 303,942	\$ 305,022	\$ 125,192
IGA ESCROW DEPOSITS	\$7,764,000				\$5,532,000				\$6,660,942								
TOTAL PHASE II CONTRACT																\$	19,956,942

DuPage Water Commission WaterLink Extension Project Schedule

ID	Task Name	Duration	Start	Finish	Timeline																							
					Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	
1	EASEMENT ACQUISITION	486 days	Mon 4/1/24	Thu 7/31/25	4/1	[Gantt bar from 4/1/24 to 7/31/25]																						
2	PHASE II FINAL DESIGN	365 days	Mon 4/1/24	Tue 4/1/25	4/1	[Gantt bar from 4/1/24 to 4/1/25]																						
3	Notice to Proceed	0 days	Mon 4/1/24	Mon 4/1/24	4/1	[Milestone diamond at 4/1/24]																						
4	Phase II Final Design	395 days	Mon 4/1/24	Thu 5/1/25	4/1	[Gantt bar from 4/1/24 to 5/1/25]																						
5	Submit Permit Applications	0 days	Fri 1/31/25	Fri 1/31/25	1/31	[Milestone diamond at 1/31/25]																						
6	Construction Permits and Approvals	90 days	Fri 1/31/25	Thu 5/1/25	1/31	[Gantt bar from 1/31/25 to 5/1/25]																						
7	CONSTRUCTION FUNDING	0 days	Thu 5/1/25	Thu 5/1/25	5/1	[Milestone diamond at 5/1/25]																						
8	Construction Funding Finalized	0 days	Thu 5/1/25	Thu 5/1/25	5/1	[Milestone diamond at 5/1/25]																						
9	BIDDING PHASE	90 days	Thu 5/15/25	Wed 8/13/25	5/16	[Gantt bar from 5/16/25 to 8/13/25]																						
10	Segment 1 Advertise	0 days	Fri 5/16/25	Fri 5/16/25	5/16	[Milestone diamond at 5/16/25]																						
11	Segment 2 Advertise	0 days	Fri 6/20/25	Fri 6/20/25	6/20	[Milestone diamond at 6/20/25]																						
12	Segment 3 Advertise	0 days	Fri 7/25/25	Fri 7/25/25	7/25	[Milestone diamond at 7/25/25]																						
13	Segment 4 Advertise	0 days	Fri 8/29/25	Fri 8/29/25	8/29	[Milestone diamond at 8/29/25]																						
14	CONSTRUCTION PHASE	835 days	Mon 7/14/25	Wed 10/27/27	7/14	[Gantt bar from 7/14/25 to 10/27/27]																						
15	Segment 1 Construction	730 days	Mon 7/14/25	Wed 7/14/27	7/14	[Gantt bar from 7/14/25 to 7/14/27]																						
16	Segment 2 Construction	730 days	Mon 8/18/25	Wed 8/18/27	8/18	[Gantt bar from 8/18/25 to 8/18/27]																						
17	Segment 3 Construction	730 days	Mon 9/29/25	Wed 9/29/27	9/29	[Gantt bar from 9/29/25 to 9/29/27]																						
18	Segment 4 Construction	730 days	Mon 10/27/25	Wed 10/27/27	10/27	[Gantt bar from 10/27/25 to 10/27/27]																						
19	COMMISSIONING	90 days	Mon 4/3/28	Sun 7/2/28	4/3	[Gantt bar from 4/3/28 to 7/2/28]																						
20	Commissioning WaterLink System	90 days	Mon 4/3/28	Sun 7/2/28	4/3	[Gantt bar from 4/3/28 to 7/2/28]																						



-  SYSTEM CONNECTION POINT
-  COMED ROUTE



COMED ROUTE ALTERNATIVE OVERALL VIEW

DUPAGE WATER COMMISSION WATERLINK EXTENSION	12/14/2023	FIG. 1
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MONTHLY STATUS REPORT

LAN PROJECT #: 128-10031-001

PROJECT: DuPage Water Commission WaterLink Extension Phase I & II

REPORT DATE: May 7, 2024

MEETING DATE: May 16, 2024

I. Progress through May 6, 2024

A. Field data collection and surveying.

1. Final cadastral surveying work from Phase 1 complete.
2. Existing structure rim/invert data collection ongoing and ~60% complete. Over 700 structures surveyed thru May 7th.
3. Processing of collected Aerial LIDAR data near completion.
 - a) 100% of original scope complete. Overall width of data processing being increased to facilitate design drawing set-up and minimize future re-work. Completion anticipated by May 15th.
4. Subsurface Utility Locates
 - a) 9,000 LF field collected and processed thru CAD along Orchard/Galena/Tuscany Trail.
 - b) 6,000 LF field collected and measured along Harvey Rd. CAD processing in progress.
 - c) 16,000 LF along Book Rd in progress.
 - d) Currently working along US Route 30 from ComEd ROW to Montgomery Delivery Point #1. Anticipated completion week of May 13th.
5. Utility Potholing Locates
 - a) Two (2) completed at Galena Road. Additional 67 completed along Book Rd corridor, and proceeding now along Harvey Rd
 - b) Held field coordination meeting with Design Team to review completed and pending pothole locations on 4/29.
 - c) Coordination meeting held with DuPage County Stormwater Management regarding potholing of DWC 48-inch Transmission Main in roadside ditches at 75th St. and Book Rd.
 - 1) County will not allow potholing without wetland delineation of ditches followed by permit application.



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





MONTHLY STATUS REPORT

6. Geotechnical

- a) Collection of Phase II geotechnical borings began on May 6th.

B. Data Collection (as-builts, GIS, design drawings).

- 1. IDOT District 3 provided update on utilities along IL Route 71.

- a) Majority of utilities have been relocated to accommodate IDOT widening work. Comcast relocations pending.
- b) Data collection ongoing.

C. Revised Draft Project Development Report (PDR) was forwarded to WaterLink communities in February.

- 1. PDR includes copies of all studies completed during Phase I, as well as route recommendations, hydraulic modeling results, preliminary pipeline plan and profile drawings, and opinions of cost.
- 2. WaterLink comments have been addressed.
- 3. Coordination with WaterLink is ongoing to finalize PDR.

D. Ongoing Coordination with ComEd.

- 1. Awaiting written approval to access ComEd property for Phase II survey, geotechnical, and utility locate work.
- 2. Subsequent ComEd design reviews and coordination will be performed during Phase II design.

E. Design of proposed connection at Book Rd & 75th Street ongoing.

II. Scope Changes (to date)

Phase I

A. Extended ComEd route alternate was included in route evaluation.

- 1. Additional geotechnical investigation for ComEd extended route across Fox River.
- 2. Additional survey for ComEd extended route across the Fox River.
- 3. Titles and plats for all parcels in Extended ComEd Corridor.

B. Hydraulics workshop added in place of 75th and Book Road connection workshop

C. IDOT recommended relocation of Ogden Avenue (US34) crossing away from Ogden Falls Rd intersection to US30/US34.

D. Segment 3 route was changed from Minkler Road to IL Route 71 per DWC based on request from Yorkville (EEI) in order to connect to a lower pressure zone in their system. Cost estimates and preliminary plan and profile drawings were prepared assuming the IL Route 71 alignment.



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MONTHLY STATUS REPORT

- E. Additional hydraulic modeling was performed per request from Yorkville and Montgomery (EEI) and direction from DWC.
 - 1. Additional modeling scenarios verified pressure and flow data if the full 2050 average day flow allocation is delivered to a single delivery point (i.e., assuming one tank offline).
 - 2. The hydraulic modeling confirmed this scenario for each WaterLink community.
 - 3. Additional hydraulic modeling performed for upsizing of pipelines to Yorkville and Montgomery delivery points.

III. Financials

- A. Total Phase I Contract: \$4,263,649
 - 1. Fee Expended through April 26, 2024:
 - a) Total: \$3,655,783 (85.8%)
 - 1) Basic Services: \$2,155,694 (50.6%)
 - 2) Additional Services: \$1,500,089 (35.2%)
- B. Total Phase II Contract: \$19,956,942
 - 1. Fee Expended through April 26, 2024:
 - a) Total: \$1,171,748 (5.9%)
 - 1) Basic Services: \$625,960 (3.1%)
 - 2) Additional Services: \$545,788 (2.7%)

IV. Completed Workshops, Meetings and Visits (April-May)

- A. IDOT District 1 Coordination Meeting – April 3, 2024.
- B. Pipe Manufacturing Plant Visits – April 17, 2024.
- C. Naperville Park District Coordination Meeting – April 26, 2024.
- D. DuPage County Stormwater Management Coordination Meeting – May 2, 2024.
- E. Book Rd Coordination Meeting w/ DWC – May 7, 2024.



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MONTHLY STATUS REPORT

V. Upcoming Tasks & Meetings

- A. Coordination Meeting with City of Naperville for Book Rd. – May 9, 2024.
- B. ComEd Monthly Coordination Meeting – June 5, 2024.
- C. Coordination with WaterLink to finalize delivery point sizing and locations.
- D. Coordination with Kendall County regarding Orchard Road.
- E. Preliminary project review meeting with U.S. Army Corps of Engineers for Fox River crossing discussion.
- F. Phase II subsurface utility engineering (SUE) utility locating and potholing.
- G. Phase II topographic surveying and field data collection along final route.
- H. Phase II geotechnical field work.
- I. Phase II wetlands delineation.



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



**Cash Flow/Invoicing Forecast - Phase II Services
DuPage Water Commission
WaterLink Extension
May 2024**

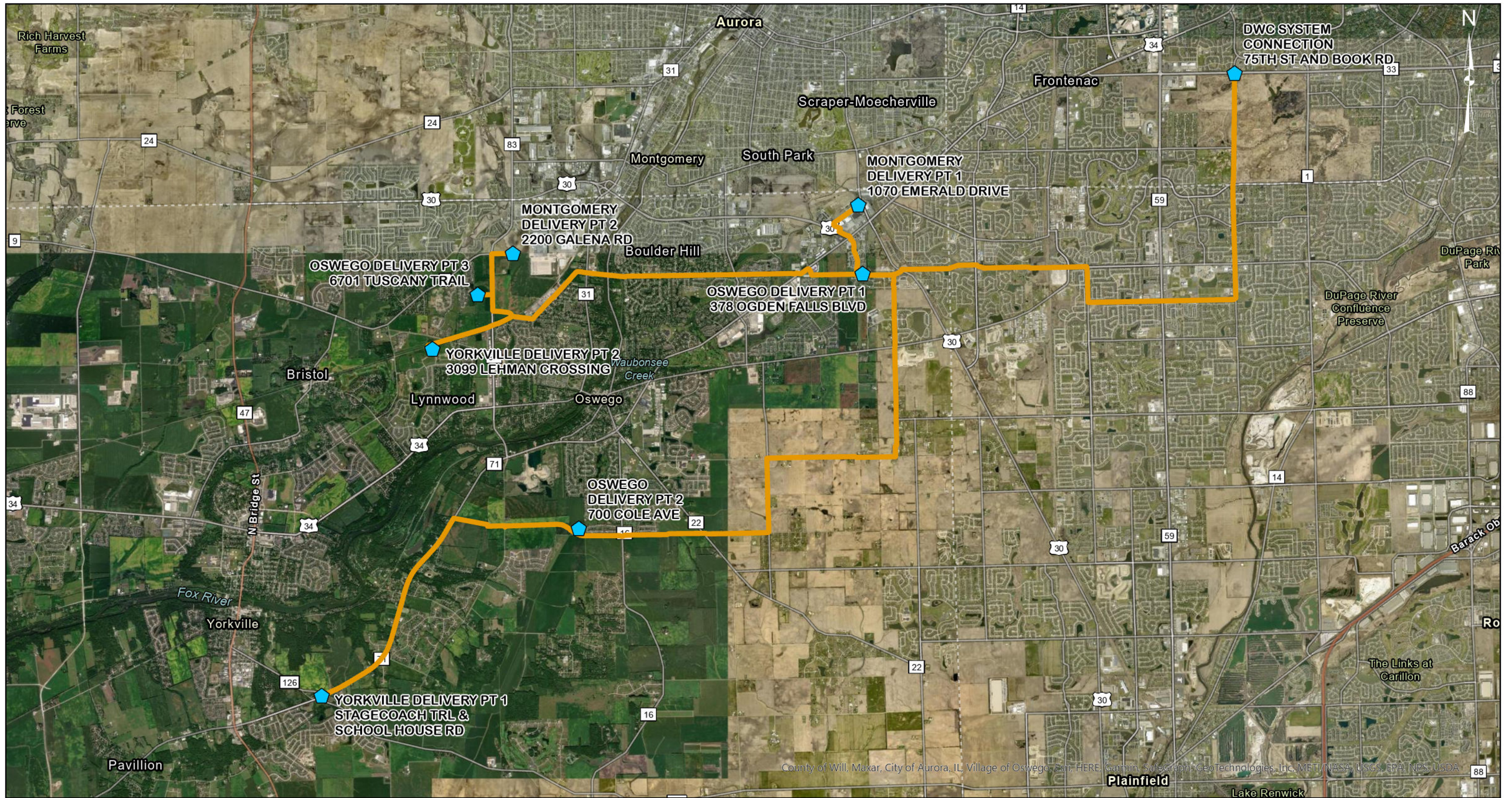
Description	Activity through April 26, 2024	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
	May 2024	June 2024	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025	July 2025	August 2025	September 2025
Basic Services	\$ 625,960	\$ 959,805	\$ 959,805	\$ 959,805	\$ 1,001,536	\$ 1,126,728	\$ 1,126,728	\$ 1,126,728	\$ 1,126,728	\$ 1,001,536	\$ 1,001,536	\$ 751,152	\$ 250,384	\$ 125,192	\$ 125,192	\$ 125,192	\$ 125,192
Additional Services	\$ 545,788	\$ 1,443,746	\$ 1,315,632	\$ 953,460	\$ 426,433	\$ 290,744	\$ 225,124	\$ 207,982	\$ 330,058	\$ 318,851	\$ 309,854	\$ 322,020	\$ 210,726	\$ 178,750	\$ 178,750	\$ 179,830	\$ -
SUBTOTAL	\$ 1,171,748	\$ 2,403,551	\$ 2,275,437	\$ 1,913,265	\$ 1,427,968	\$ 1,417,471	\$ 1,351,851	\$ 1,334,710	\$ 1,456,785	\$ 1,320,387	\$ 1,311,389	\$ 1,073,172	\$ 461,110	\$ 303,942	\$ 303,942	\$ 305,022	\$ 125,192
IGA ESCROW DEPOSITS	\$7,764,000			\$5,532,000				\$6,660,942									
TOTAL PHASE II CONTRACT																\$	19,956,942



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

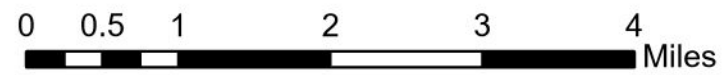
Description	Activity through June 30, 2023	Activity through July 31, 2023	Activity through September 01, 2023	Activity through September 29, 2023	Activity through October 31, 2023	Activity through November 30, 2023	Activity through December 31, 2023	Activity through January 31, 2024	Activity through February 29, 2024	Activity through March 31, 2024	Activity through April 26, 2024	Planned
	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	April 2024	May 2024	June 2024
Basic Services	\$ 95,434	\$ 160,905	\$ 251,845	\$ 196,686	\$ 302,911	\$ 310,567	\$ 381,091	\$ 151,395	\$ 94,589	\$ 129,042	\$ 81,230	\$ 95,000
Additional Services	\$ 67,212.00	\$ 361,804	\$ 403,110	\$ 100,162	\$ 97,700	\$ 49,146	\$ 102,503	\$ 121,475	\$ 128,509	\$ 29,253	\$ 39,215	\$ 35,000
MONTHLY TOTALS	\$ 162,646	\$ 522,709	\$ 654,956	\$ 296,848	\$ 400,611	\$ 359,713	\$ 483,593	\$ 272,870	\$ 223,098	\$ 158,294	\$ 120,445	\$ 130,000
TOTAL PHASE I PROJECTED FEE											\$	3,785,784
TOTAL PHASE I CONTRACT											\$	4,263,649

DuPage Water Commission WaterLink Extension Project Schedule

ID	Task Name	Duration	Start	Finish	2024																							
					Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	EASEMENT ACQUISITION	486 days	Mon 4/1/24	Thu 7/31/25	4/1	[Gantt bar]																						
2	PHASE II FINAL DESIGN	365 days	Mon 4/1/24	Tue 4/1/25	4/1	[Gantt bar]																						
3	Notice to Proceed	0 days	Mon 4/1/24	Mon 4/1/24	4/1	[Milestone diamond]																						
4	Phase II Final Design	395 days	Mon 4/1/24	Thu 5/1/25	4/1	[Gantt bar]																						
5	Submit Permit Applications	0 days	Fri 1/31/25	Fri 1/31/25	1/31	[Milestone diamond]																						
6	Construction Permits and Approvals	90 days	Fri 1/31/25	Thu 5/1/25	1/31	[Gantt bar]																						
7	CONSTRUCTION FUNDING	0 days	Thu 5/1/25	Thu 5/1/25	5/1	[Milestone diamond]																						
8	Construction Funding Finalized	0 days	Thu 5/1/25	Thu 5/1/25	5/1	[Milestone diamond]																						
9	BIDDING PHASE	90 days	Thu 5/15/25	Wed 8/13/25	5/16	[Gantt bar]																						
10	Segment 1 Advertise	0 days	Fri 5/16/25	Fri 5/16/25	5/16	[Milestone diamond]																						
11	Segment 2 Advertise	0 days	Fri 6/20/25	Fri 6/20/25	6/20	[Milestone diamond]																						
12	Segment 3 Advertise	0 days	Fri 7/25/25	Fri 7/25/25	7/25	[Milestone diamond]																						
13	Segment 4 Advertise	0 days	Fri 8/29/25	Fri 8/29/25	8/29	[Milestone diamond]																						
14	CONSTRUCTION PHASE	835 days	Mon 7/14/25	Wed 10/27/27	7/14	[Gantt bar]																						
15	Segment 1 Construction	730 days	Mon 7/14/25	Wed 7/14/27	7/14	[Gantt bar]																						
16	Segment 2 Construction	730 days	Mon 8/18/25	Wed 8/18/27	8/18	[Gantt bar]																						
17	Segment 3 Construction	730 days	Mon 9/29/25	Wed 9/29/27	9/29	[Gantt bar]																						
18	Segment 4 Construction	730 days	Mon 10/27/25	Wed 10/27/27	10/27	[Gantt bar]																						
19	COMMISSIONING	90 days	Mon 4/3/28	Sun 7/2/28	4/3	[Gantt bar]																						
20	Commissioning WaterLink System	90 days	Mon 4/3/28	Sun 7/2/28	4/3	[Gantt bar]																						



-  SYSTEM CONNECTION POINT
-  COMED ROUTE



COMED ROUTE ALTERNATIVE OVERALL VIEW

DUPAGE WATER COMMISSION WATERLINK EXTENSION	12/14/2023	FIG. 1
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Resolution #: R-37-24

Account: 01-60-663100, \$79,803.59

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/13/2024

Description: **Approve & Ratify Work Authorization Order Under Quick Response Contract QR-12/21.**

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co. Inc., Rossi Contractors Inc., and Benchmark Construction Co. Inc. for Quick Response construction work, as needed, through the issuance of Work Authorization Orders (Contract QR-12/21) and ending on June 30, 2025. Resolution No. R-37-24 would approve the following Work Authorization Orders under the Quick Response contracts.

Work Authorization Order No. 026 to Benchmark Construction Co, Inc.

The work authorization was issued, and work began, prior to Board approval and was necessary to repair a leaking 16" diameter feeder water main located in the Village of Addison.

The scope of this work included providing and maintaining traffic and pedestrian controls, locating, and repairing the source of the leak, backfilling the excavation with suitable materials, restoration of all disturbed areas to the satisfaction of the permitting authority, and all other work as necessary or as directed by the Commission.

Staff solicited cost estimates for this work from the three QR-12/21 contractors and the results are listed below:

Company	Estimated Cost
Rossi Contractors, Inc.	\$45,500.00
Benchmark Construction Co., Inc.	\$22,634.93
John Neri Construction Co., Inc.	Declined to submit

Since Benchmark Construction Inc. submitted the proposal that was the most favorable to the Commission, the Work Authorization Order No. 026 was issued to Benchmark Construction Inc.

During the excavation around the 16-inch feeder main, additional leaks were found on the 12-inch diameter steel supply header manifold connected to the Meter Station. The additional work was added to the original scope of work issued to Benchmark Construction concluding with replacement of steel header manifold, installation of passive corrosion protective system and installation of underdrainage piping.

Resolution R-37-24 ratifies approval of Work Authorization Order No. 026 to Benchmark Construction Co., Inc. for the work as described in Exhibit 1 to this resolution, at the cost of \$79,803.59.

Recommended Motion:

To adopt Resolution No. R-37-24.

RESOLUTION NO. R-37-24

A RESOLUTION APPROVING CERTAIN WORK AUTHORIZATION ORDERS UNDER QUICK RESPONSE CONTRACT QR-12/21

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

WHEREAS, Contract QR-1/21 is intended to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

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

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

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

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the work

Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

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

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.026

LOCATION:

Meter Station MS 1A on Winthrop Avenue west of Vista Avenue, Addison.

CONTRACTOR:

Benchmark Construction Co., Inc.

DESCRIPTION OF WORK:

Provide and maintain traffic and pedestrian controls; dewater isolated section of main; excavate, locate, and repair the source of a leak on a Commission 16" diameter feeder water main, backfill the excavation with suitable materials, disinfect the isolated section of water main, restore all disturbed areas to the satisfaction of the permitting highway authority, and all other work as necessary or as directed by the Commission.

REASON FOR WORK:

To repair a leak in a 16" diameter feeder water main.

MINIMUM RESPONSE TIME:

N/A

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

N/A

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A

SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: _____
Signature of Authorized
Representative

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

DATE: _____

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.026

LOCATION:

Meter Station MS 1A on Winthrop Avenue west of Vista Avenue, Addison.

CONTRACTOR:

Benchmark Construction Co., Inc.

DESCRIPTION OF WORK:

Provide and maintain traffic and pedestrian controls; dewater isolated section of main; excavate, locate, and repair the source of a leak on a Commission 16" diameter feeder water main, backfill the excavation with suitable materials, disinfect the isolated section of water main, restore all disturbed areas to the satisfaction of the permitting highway authority, and all other work as necessary or as directed by the Commission.

REASON FOR WORK:

To repair a leak in a 16" diameter feeder water main.

MINIMUM RESPONSE TIME:

N/A

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

N/A

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A

SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A

DUPAGE WATER COMMISSION

By: *B. D. M*
Signature of Authorized Representative

DATE: 5/8/2024

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: *[Signature]*
Signature of Authorized Representative

Safety Rep: *Erik W Schatz - 847-344-0496*
Name and 24-Hr Phone No.

DATE: 5-8-24



Resolution #: R-38-24

Account: 01-60-663100, \$149,350

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/13/2024

Description: **A Resolution to Approve Work Authorization Order Under Quick Response Contract QR-12/21.**

Agenda Section: Engineering & Construction

Originating Department: Pipeline

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co. Inc., Rossi Contractors Inc., and Benchmark Construction Co. Inc. for Quick Response construction work, as needed, through the issuance of Work Authorization Orders (Contract QR-12/21) and ending on June 30, 2025. Resolution No. R-38-24 would approve the following Work Authorization Orders under the Quick Response contracts.

Work Authorization Order No.027 Rossi Contractors, Inc.

Pipeline and Remote facilities staff have identified up to sixteen (16) manhole frames & lids and cathodic protection handhole structures that require repairs. The repairs include breaking asphalt and/or concrete street surfaces/bases, excavating existing frames and adjustment rings, and resetting, replacing, or installing new adjustment rings, frames, or lids. Staff solicited the QR contractors to provide an estimate for thirteen (13) structures for repairs with an option to include an additional three (3) structures, to be identified, for a total of sixteen (16) structures to be repaired. Staff solicited cost estimates for this work from all QR-12/21 contractors and the results are listed below:

Company	Estimated Cost
Rossi Contractors, Inc.	\$149,350.00
John Neri Construction Co., Inc.	\$260,600.00
Benchmark Construction Co., Inc.	\$344,750.00

Staff have contacted Rossi Contractors, Inc. as the low bid contractor, due to the price discrepancy between bidders, and Rossi has confirmed they are standing by their proposal.

Resolution R-38-24 would approve Work Authorization Order No. 027 to Rossi Contractors, Inc. for the work as described in Exhibit 1 to this resolution, at a total estimated cost of \$149,350.

Recommended Motion:

To adopt Resolution No. R-38-24.

RESOLUTION NO. R-38-24

A RESOLUTION APPROVING CERTAIN WORK AUTHORIZATION ORDERS UNDER QUICK RESPONSE CONTRACT QR-12/21

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated July 1, 2023, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission's Waterworks System (said being hereinafter collectively referred to as "Contract QR-12/21");

WHEREAS, Contract QR-1/21 is intended to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

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

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

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

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the work

Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

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

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-38-24.docx

EXHIBIT 1

Work Authorization Order No 027
And Rossi Proposal 8210

WORK AUTHORIZATION ORDER

SHEET 1 OF 3

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.027

LOCATION:

Various locations throughout Commission transmission and distribution system, see attached map book.

CONTRACTOR:

Rossi Contractors, Inc.

DESCRIPTION OF WORK:

In accordance with Rossi Contractor's proposal 8210, repairs include breaking asphalt and/or concrete street bases, excavating existing frames and adjustment rings, and resetting, replacing, or installing new adjustment rings, frames, or lids at 13 discrete locations plus an additional 3 locations if deemed necessary and so directed by the Commission.

REASON FOR WORK:

Manhole lid and repairs are needed to maintain infrastructure and improve safe access to our pipeline facilities.

MINIMUM RESPONSE TIME:

N/A

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

DWC will supply all frames and lids needed for the repairs, the contractor is to provide everything else.

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A

SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

See attached.

DUPAGE WATER COMMISSION

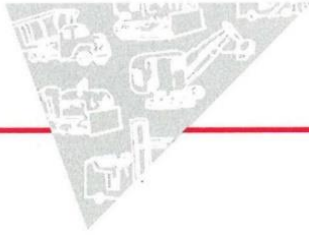
By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: _____ Safety Rep: _____
Signature of Authorized Name and 24-Hr Phone No.
Representative

DATE: _____



ROSSI CONTRACTORS, INC.

201 W. LAKE ST. • NORTHLAKE, IL 60164
773-287-7545 • FAX 708-562-1965

May 31, 2024

DuPage Water Commission
600 E. Butterfield Rd.
Elmhurst, IL 60126

**RE: DWC QR-12/21
2024 Frame & Lid Repairs
Proposal #8210**

To Whom It May Concern:

Rossi Contractors, Inc. is pleased to present this proposal for labor, equipment, and materials for the following work:

Scope: Repair 16 frames and lids to manhole/handhole structures, as noted by the DuPage Water Commission, with restoration to disturbed areas. DWC will supply frames, lids, and handholes as needed for repair.

Lump Sum Budget: \$149,350.00

Exclusions/Clarifications:

- This proposal is budgetary. Final cost to be determined following completion of work.
- Estimated traffic control, bond costs, and permit costs are included.
- Work to be completed during normal daytime hours.
- Work not described above is excluded.

Respectfully submitted,

Taylor Heppeler
Project Manager
Rossi Contractors, Inc.

#	Asset	Village	Comments on Repairs	Estimated Cost
1	10837	Naperville	Patch failure. Re-use frame and Lid	\$10,720.00
2	10515	Woodridge	Replace Frame and Lid	\$7,260.00
3	NA	Elmhurst	Handhole needs to be relocated 10' NW of current location. Handhole is presently above Elmhurst's 66" storm sewer.	\$8,020.00
4	11201	Lisle	Lid sits low, rim elevation needs to be adjusted to street level. Frame condition and replacement TBD	\$10,410.00
5	10766	Addison	Patch failure Lid looks OK. Valve box damaged	\$7,370.00
6	12165	Addison	Patch Failure. Frame and lid replacement TBD	\$7,100.00
7	11024	Glendale Heights	Patch Failure. Lid Ok	\$10,370.00
8	11025	Glendale Heights	Patch Failure. Lid Ok	\$10,370.00
9	11229	Darien	Adjustment rings deteriorated. Adjustment should match grade better. Frame and lid Ok	\$7,300.00
10	11860	Darien	Frame looks undermined and needs replacement with new. Partial curb replacement. Valve box looks OK	\$11,360.00
11	10188	Darien	Replace frame and lid with new	\$10,410.00
12		Darien	Install precast handhole in lieu of above ground test station. Precasted frame, lid, and handhole provided	\$11,090.00
13	10209	Woodridge	Raise lid to grade. Re-use frame and lid	\$6,940.00
14	Unknown	TBD	Repair/install frame and lid in an asphalt or concrete paved area. Work requires breaking asphalt and/or concrete street base, excavation of existing frame and adjustment rings, resetting, replacing or installing new adjustment rings, frame and lid, restoration in compliance with the local authority having jurisdiction, of existing roadway pavement, curb/gutter, sidewalk and parkway disturb or damaged due to repair work.	\$10,210.00
15				\$10,210.00
16				\$10,210.00



Resolution #: R-39-24

Account: 01-60-628000

Approvals: *Author / Manager / Finance / Admin*

RCB RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/13/2024

Description: **A Resolution Approving and Ratifying Task Order Nos. 03 and 04 with Burns & McDonnell Engineering Co., Inc.**

Agenda Section: Engineering & Construction

Originating Department: Administration

The Commission entered into a Master Contract with Burns & McDonnell Engineering Co., Inc., dated as of October 21, 2022, for professional engineering services in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-39-24 would approve the following Task Orders to the Master Contract:

Task Order No. 03: Establishment of a Hydraulic Model for DuPage Water Commission - \$25,950

DWC will provide Burns & McDonnell with the current hydraulic model and Geographic Information System (GIS) data. Burns & McDonnell will then assess the reasonableness of the model inputs and outputs to support DWC's efforts to determine the adequacy of the hydraulic model as a design and flow prediction tool now and in the future.

Task Order No. 04: Feasibility of an Emergency Connection for Elk Grove Village - \$12,830

Elk Grove Village has approached staff to determine the feasibility of the Commission to provide an emergency connection should Elk Grove Village lose their normal supply from NSMJAWA. This Task Order would authorize Burns & McDonnell to provide professional consulting services to support the Commission for simulating a new connection for Elk Grove Village. Burns & McDonnell would perform hydraulic analyses under two separate scenarios: a direct connection to the Commission's North Transmission main and, or a connection through the existing feeder main to the Village of Bensenville Metering Station 2A. The entire cost for this Task Order would be at the sole expense of Elk Grove Village and would not be performed until advance funding is received.

Recommended Motion:

To approve Resolution R-39-24

RESOLUTION NO. R-39-24

**A RESOLUTION APPROVING AND RATIFYING
TASK ORDER NOS. 03 AND 04 WITH
BURNS & MCDONNELL ENGINEERING CO. INC.**

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 entered into a contract with Burns & McDonnell Engineering Co., Inc. (the "Consultant"), dated as of October 22, 2022, to provide, from time to time, professional engineering services in connection with the design and construction of extensions and improvements to the Waterworks System and other 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 approved the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (the "Task Orders");

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

SECTION ONE: The foregoing recitals are 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 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 constitute the written determination required by Section 33E-9 of Article 33E of the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

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

ADOPTED THIS _____ DAY OF _____, 2024

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-39-24.docx

EXHIBIT 1

Task Order No. 03: Establishment of a Hydraulic Model for DuPage Water Commission

Task Order No. 04: Feasibility of an Emergency Connection for Elk Grove Village

TASK ORDER NO. 03

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services Owner and Consultant agree as follows:

1 . **Project:** Hydraulic Model Review

This task order authorizes Consultant (BMcD) to provide professional consulting services to support the Owner (DWC) for reviewing the DWC hydraulic model.

2 . **Services of Consultant:**

Task 1 – Kick-off Meeting

Task 1 includes the participation in a virtual kick-off meeting between DWC and BMcD. The intent of the project kick-off meeting will be to review the project scope, schedule, and planned deliverables. An agenda will be submitted prior to the meeting, and meeting notes will be prepared and distributed.

Task 2 – Hydraulic Model Review

DWC will provide BMcD with the hydraulic model and Geographic Information System (GIS) data. BMcD will assess the reasonableness of the model inputs and outputs to support DWC's efforts to determine the adequacy of the hydraulic model as a design and flow prediction tool. The evaluation and analysis will include the following:

1. Confirm overall system demand.
2. Confirm USGS elevations for 84 meter stations
3. Evaluate piping connections at 84 meter stations
4. Confirm existing pipeline lengths for up to 30 pipeline segments.
5. Evaluation of existing tank operations during the model calibration events.
6. Perform a comparison of the modeled diurnal curve with actual flows during the MDD calibration event for 15 critical meter stations selected by DWC.
7. Compare the estimated delivery pressures of the 15 critical meter stations based on the current, modeled diurnal curve and an updated diurnal curve that is based on actual flows. Comparison calculations will be performed manually or with the hydraulic model.
8. Compare SCADA data with modeled ROV pressures at 33 locations.
9. Evaluate the impact that boundary typical operating conditions of the DWC ground storage reservoir located upstream of the main pump station has on system operating pressures. The ground storage reservoir has an approximate typical operating range of 12'.
10. Evaluate and compare modeled and actual pump station discharge pressures and flows.

Task 3 – Summary of Review Comments

Comments and findings based on the hydraulic model review will be summarized in tabular format (i.e., Microsoft Excel table). Comments will be categorized as Tier 1 (most critical), Tier 2, or Tier 3 (least critical). BMcD will make a recommendation to DWC regarding the benefits of performing additional hydraulic model updates. Local BMcD staff will attend one in-person review meeting to discuss BMcD comments.

Task Order Assumptions

1. DWC will provide the pressure transducer elevations of each of the 84 meter station locations.
2. If needed, DWC will provide details on pressure transducer locations, including pipeline size, distance from any reducer fittings, and distance from the primary DWC transmission main system.
3. DWC will provide ROV pressure transducer data and elevations.
4. Burns & McDonnell will not need to review any existing DWC record drawings or incorporate them into the hydraulic model.
5. DWC will provide SCADA data for the average day and maximum day demand calibration events for all meter stations, ROVs, standpipes, ground storage reservoirs, and main pump station.
6. All data provided by DWC will be in Microsoft Excel format.
7. No new modeling simulations will be performed.
8. Field work, including C-factor testing, is not included.

3. Approvals and Authorizations: Consultant shall obtain the following approvals and authorizations: None.

4. Commencement Date:

June 20, 2024

5. Completion Date:

August 30, 2024

6. Submittal Schedule: None.

7. Key Project Personnel:

Paul St. Aubyn – Project Manager

Joe Darlington – QAQC

Sasa Tomic – Hydraulic Modeling Lead

Tim Kargl – Hydraulic Modeling

8. Contract Price:

For providing, performing, and completing all Services, an amount equal to Consultant's Rate Sheet Costs per hour or unit for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to rate sheet costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be \$25,950.00, except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

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. Modifications to Contract: N/A

11. Attachments: Level of Effort and Rate Sheet BMR24-6A (2024 rates)

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 June 20, 2024.

DuPAGE WATER COMMISSION

By: _____

Paul D. May, P.E.
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

BURNS & MCDONNELL ENGINEERING CO., INC.

By: _____

Patrick Clifford
Regional Water Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Paul St. Aubyn, P.E.
Title: Project Manager
Address: 1431 Opus Place, Suite 400, Downers Grove, IL 60515
E-mail Address: pdst.aubyn@burnsmcd.com
Phone: (872) 804-9958

TASK ORDER NO. 04

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services Owner and Consultant agree as follows:

1 . **Project:** Hydraulic Model Review

This task order authorizes Consultant (BMcD) to provide professional consulting services to support the Owner (DWC) for simulating a new connection for Elk Grove Village.

2 . **Services of Consultant:**

Task 1 – Kick-off Meeting

Task 1 includes the participation in a virtual kick-off meeting between DWC and BMcD. The intent of the project kick-off meeting will be to review the project scope, schedule, and planned deliverables. An agenda will be submitted prior to the meeting, and meeting notes will be prepared and distributed.

Task 2 – Hydraulic Model Evaluation of New Elk Grove Village Emergency Connection

BMcD will utilize DWC's hydraulic model to evaluate a new, emergency connection with Elk Grove Village. The hydraulic modeling evaluation will consider the following:

1. Two (2) proposed connection points:
 - a. North Transmission Main (existing 36-inch diameter pipeline)
 - b. Existing Bensenville connection
2. Elk Grove Village existing average day and maximum day demands (5.4 MGD and 7.8 MGD)
3. Elk Grove Village future average day and maximum day demands (7.4 MGD and 10.7 MGD)

Task 3 – Letter Report

Letter report will briefly summarize the following:

1. DWC tank levels
2. Minimum, average, and maximum pipeline velocities, pressures, and hydraulic grade lines at the connection point(s).

Task Order Assumptions

1. A hydraulic evaluation of DWC supply to Schaumburg is not included.
2. Existing Bensenville connection will be operational at all times.
3. Evaluation includes modeling of the existing DWC system only. Modeling evaluation does not consider the improvements required to convey water to Elk Grove Village, such as a new pump station and pipeline, or internal improvements within the DWC system.
4. In order to account for meter station and piping head losses, the modeling results will assume an additional head loss of 2 psi.

3. Approvals and Authorizations: Consultant shall obtain the following approvals and authorizations: None.

4. Commencement Date:

June 20, 2024

5. Completion Date:

September 30, 2024

6. Submittal Schedule: None.

7. Key Project Personnel:

Paul St. Aubyn – Project Manager

Joe Darlington – QAQC

Sasa Tomic – Hydraulic Modeling Lead

Tim Kargl – Hydraulic Modeling

8. Contract Price:

For providing, performing, and completing all Services, an amount equal to Consultant's Rate Sheet Costs per hour or unit for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to rate sheet costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be \$12,830.00, except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

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. Modifications to Contract: N/A

11. Attachments: Level of Effort and Rate Sheet BMR24-6A (2024 rates)

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 June 20, 2024.

DuPAGE WATER COMMISSION

By: _____

Paul D. May, P.E.
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

BURNS & MCDONNELL ENGINEERING CO., INC.

By: _____

Patrick Clifford
Regional Water Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Paul St. Aubyn, P.E.
Title: Project Manager
Address: 1431 Opus Place, Suite 400, Downers Grove, IL 60515
E-mail Address: pdst.aubyn@burnsmcd.com
Phone: (872) 804-9958

**DuPage Water Commission
Hydraulic Model Review
Estimated Fees for Engineering Services
June, 2024**

Task Description	Associate (16)	Associate (14)	Associate (14)	Staff Engineer (10)		Task Total
Engineering Services						
Task 1 - Kick-off Meeting						\$ 1,104
Kickoff Meeting		2	2			\$ 1,104
Task 2 - Hydraulic Model Review						\$ 18,664
Confirm overall system demand			2	2		\$ 956
Confirm USGS elevations for 84 meter stations			2	4		\$ 1,360
Confirm existing pipeline lengths (30)			2	4		\$ 1,360
Evaluation of tank operations during ADD and MDD calibration events			2	8		\$ 2,168
Compare modeled diurnal curve with actual, SCADA flows during MDD calibration event for 15 meter stations			2	8		\$ 2,168
Pressure comparison at 15 meter stations			2	4		\$ 1,360
ROV pressure comparison at 33 ROVs			2	4		\$ 1,360
Boundary condition evaluation of existing ground storage tank			2	2		\$ 956
Evaluate and compare main pump station discharge pressures and flows (actual and SCADA)			2	4		\$ 1,360
Model QAQC and review	16	4				\$ 5,616
Task 3 - Summary of Review Comments						\$ 6,178
Summary table and prioritization	2	2	4	8		\$ 3,836
Calibration recommendation	1	1	1			\$ 834
Meeting with DWC		2	2	2		\$ 1,508

BMR 24-6A

Engineering Services	
Hours	107
Fee	\$ 25,950

**DuPage Water Commission
Elk Grove Village Connection
Estimated Fees for Engineering Services
June, 2024**

Task Description	Associate (16)	Associate (14)	Associate (14)	Staff Engineer (10)	Task Total
Engineering Services					
Task 1 - Kick-off Meeting					\$ 1,164
Kickoff Meeting		2	2		\$ 1,164
Task 2 - Hydraulic Model Evaluation					\$ 5,122
North Transmission Main Connection			2	4	\$ 1,426
Existing Bensenville Connection			2	4	\$ 1,426
Existing and Future ADD/MDD			2	8	\$ 2,270
Task 3 - Letter Report					\$ 6,548
Draft Report		2	4	16	\$ 5,122
Final Report		1	1	4	\$ 1,426

BMR 24-6A

Engineering Services	
Hours	54
Fee	\$ 12,830

Schedule of Hourly Professional Service Billing Rates

Position Classification	Classification Level	Hourly Billing Rate
General Office *	5	\$74.00
Technician *	6	\$94.00
Assistant *	7	\$114.00
	8	\$156.00
	9	\$186.00
Staff *	10	\$211.00
	11	\$231.00
Senior	12	\$261.00
	13	\$283.00
Associate	14	\$291.00
	15	\$293.00
	16	\$296.00
	17	\$298.00

NOTES:

1. Position classifications listed above refer to the firm's internal classification system for employee compensation. For example, "Associate", "Senior", etc., refer to such positions as "Associate Engineer", "Senior Architect", etc.
2. For any nonexempt personnel in positions marked with an asterisk (*), overtime will be billed at 1.5 times the hourly labor billing rates shown.
3. For outside expenses incurred by Burns & McDonnell, such as authorized travel and subsistence, and for services rendered by others such as subcontractors, the client shall pay the cost to Burns & McDonnell plus 10%.
4. Monthly invoices will be submitted for payment covering services and expenses during the preceding month. Invoices are due upon receipt. A late payment charge of 1.5% per month will be added to all amounts not paid within 30 days of the invoice date.
5. The services of contract/agency and/or any personnel of a Burns & McDonnell parent, subsidiary or affiliate shall be billed to Owner according to the rate sheet as if such personnel is a direct employee of Burns & McDonnell.
6. The rates shown above are effective for services through December 31, 2024, and are subject to revision thereafter.



Resolution #: R-40-24

Account: 01-60-772500

Approvals: *Author / Manager / Finance / Admin*

PDM - CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/13/2024

Description: **A Resolution Approving Task Order No. 02 and 03 with Christopher B. Burke Engineering**

Agenda Section: Engineering & Construction

Originating Department: Administration

The Commission entered into a Master Contract with Christopher B. Burke Engineering, Ltd, dated May 21, 2013, for professional engineering services in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-40-24 would approve the following Task Orders to the Master Contract:

Task Order No. 02: Site Plan Preliminary Engineering for DWC Source Water Site - \$119,630

In May 2024, DWC completed the strategic acquisition of a 127-acre parcel in Northbrook, which positions the Commission to advance a regional source water project. An important early activity will include developing a preliminary site plan for the property. DWC does not expect to utilize the full 127-acre site, and the northeast section of the property is most favorably suited for future DWC use as a regional water treatment plant. DWC has also engaged in preliminary discussions with the Village of Northbrook, which has expressed an interest in 10 acres for a new fire station on Dundee Road, as well as possible additional property for police and/or public works. The proposed scope for the preliminary activities performed by CBBEL will include preparation of a site plan which identifies portions of the site most suitable for the DWC facilities, most suitable for negotiation/transfer to Northbrook, and most suitable for site management activities such as stormwater management and provides preliminary engineering for necessary sitework. The approved FY2024-25 Budget includes \$1.35M for work associated with the Source Water Project. Work approved under this task order will include the following activities:

- Division of Properties Plan
- Stormwater Management computations and Plan
- Preliminary Grading Plan
- Preliminary Utility Plan

- Preliminary Access Plan
- Preliminary Easement Plan
- Wetlands Management/Mitigation Plan
- Entrance Control Plan

Task Order No. 03: Indeterminate Need - \$40,000

As Preliminary site engineering work advances, it is not uncommon for there to be the need for additional work not contemplated under the original scope. Such activities may include additional survey, geotechnical work, field investigations, meetings with local officials, review of regulatory and/or permitting changes during design, traffic counts/evaluation, etc. Approval of Task Order #3 with CBBEL will allow DWC staff to administratively authorize additional necessary work in order to progress preliminary engineering in a timely manner in an amount up to \$40,000.

Recommended Motion:

To approve Resolution R-40-24

RESOLUTION NO. R-40-24

**A RESOLUTION APPROVING AND RATIFYING
TASK ORDER NOS. 02 AND 03 WITH
CHRISTOPHER B. BURKE ENGINEERING**

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 entered into a contract with Christopher B. Burke Engineering. (the “Consultant”), dated as of May 21, 2013, to provide, from time to time, professional engineering services in connection with the design and construction of extensions and improvements to the Waterworks System and other 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 approved the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (the “Task Orders”);

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

SECTION ONE: The foregoing recitals are 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 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 constitute the written determination required and shall be in full force and effect from and after its adoption.

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

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-40-24.docx

EXHIBIT 1

Task Order No. 03: Establishment of a Hydraulic Model for DuPage Water Commission

Task Order No. 04: Feasibility of an Emergency Connection for Elk Grove Village

TASK ORDER NO. 2

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services dated May 21, 2013, Owner and Consultant agree as follows:

1. **Project:**

Prepare a preliminary site plan for the 127.1 acre site (formerly Green Acres Country Club in Northbrook) that provides a 70 acre parcel for water treatment and storage, approximately 10 acre site at the southeast corner for a fire station, an access road that is 120 feet wide extending from Dundee Road to the treatment/storage site, an additional approximately 10 acre site for the Village of Northbrook to the west of the entrance roadway, areas for stormwater detention and up to 20 acres for a future use to be determined. Stormwater detention will account for the full development of the site and will be provided in regional ponds. **No permitting is included as part of this Task Order. Discussions may be had with regulatory agencies, but permits will not be prepared or submitted.**

Objectives:

- Provide a land use plan that includes:
 - Preliminary grading plan
 - Stormwater detention
 - Preliminary utility plan
 - Preliminary access road plan
 - Preliminary easement plan
- Wetland mitigation plan for all regulated wetlands (USACE/Cook County)
- Interim entrance control plan

2. **Services of Consultant:**

A. Basic Services:

1. **Task 1 - Coordination and Meetings:**

- A. Participate in a kickoff and up to five (5) progress meetings;
- B. Conduct meetings and field investigations with DWC staff.

2. **Task 2- Division of Properties Plan:**

- A. Based on the desired land uses and stormwater detention layout, prepare a division of properties plan.
- B. Revise the division of properties plan based on information learned from Tasks 1 and 3 – 9.

3. **Task 3 - Stormwater Management:**
 - A. Based on information in Task 2, determine expected impervious area coverage for site;
 - B. Determine existing outflow locations and tributary areas;
 - C. Determine storage volumes and locations for given release rates;
 - D. Prepare a Technical Memorandum summarizing the stormwater management system.

4. **Task 4 - Preliminary Grading Plan for Site:**
 - A. Grading of the 70 acre parcel NE corner;
 - B. Grading of 10 acre parcel at the SE corner for a future Fire Station;
 - C. Grading of the parcel west of the entrance roadway;
 - D. Grading of the stormwater detention areas;
 - E. Grading of 20 acres to expand for future development.

5. **Task 5 - Preliminary Utility Plan for Site:**
 - A. Preliminary storm sewer, watermain and sanitary sewer to each of the sites for the DWC, Fire Station and additional lot west of the entrance road;
 - B. Identify electrical needs and locations for water treatment plant (WTP). Preliminary coordination with ComEd for electrical service to WTP site.
 - C. Preliminary coordination with gas utility for natural gas services to WTP site.

6. **Task 6 - Preliminary Access Plan for Site:**
 - A. 120 foot wide access road to the site;
 - B. Other access as needed.

7. **Task 7- Preliminary Easement Plan:**
 - A. We will prepare a Preliminary Plat of Subdivision / Easement to be used as a basis for planning purposes in next phase of the project. The boundary lines and underlying restrictions of the property to be subdivided will be shown based on the ALTA/NSPS Land Title Survey

previously prepared by SPACECO, Inc and will show the current site plan, proposed utilities, and proposed stormwater determined in tasks 3 – 9.

8. **Task 8 - Wetland Plan:**

- A. Complete updated wetland/waters delineation of site and prepared wetland/waters delineation report. Previous report has expired;
- B. Submit Request for wetland exemptions to Cook County, as applicable. Determine likelihood of USACE jurisdiction of each identified area (Corps will not process jurisdictional determination requests without submittal of a formal application);
- C. Prepare a Technical Memorandum summarizing the suggested wetland mitigation plan/approach, with supporting conceptual design exhibits and cost estimates. A summary of the USACE and Cook County Wetland review processes, and expected time lines will be included.

9. **Task 9 - Entrance Control Plan:**

- A. Provide a plan to limit access to the site with a locked gate.

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

None

4. **Commencement Date:**

Effective Date of This Task Order

5. **Completion Date:**

- A. 120 days following the Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

* Days exclude Owner's Review Periods

6. **Submittal Schedule:**

Task 1 – Coordination and Meetings: On-going through project
Task 2 – Division of Properties Plan: Preliminary 2 weeks from Notice to Proceed (NTP); Revised after the completion of Tasks 3 - 7

- Task 3 – Stormwater Management: 8 weeks from NTP
- Task 4 – Preliminary Grading Plan: 12 weeks from NTP
- Task 5 – Preliminary Utility Plan: 8 weeks from NTP
- Task 6 – Preliminary Access Plan: 4 weeks from NTP
- Task 7 – Preliminary Easement Plan: 8 weeks from NTP
- Task 8 – Wetland Plan: 8 weeks from NTP
- Task 9 – Entrance Control Plan: 4 weeks from NTP;

7. **Key Project Personnel:**

- A. Project Manager: Thomas Burke, PhD, PE
 QA/QC: Lee Fell, PE
 Site Plan Engineer: Dan Stevens, PE
 Utility QA/QC: John Caruso, PE
 Wetlands: Jedd Anderson
 Stormwater Engineer: Luke Sherry, PE

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:

Task	Cost
Task 1 – Coordination and Meetings	\$ 11,800.00
Task 2 - Division of Properties Plan	\$ 3,500.00
Task 3 - Stormwater Management	\$ 18,080.00
Task 4 - Preliminary Grading Plan	\$ 25,000.00
Task 5 - Preliminary Utility Plan	\$ 26,800.00
Task 6 - Preliminary Access Plan	\$ 5,450.00
Task 7 - Preliminary Easement Plan	\$ 7,500.00
Task 8 – Wetland Plan	\$ 14,000.00
Task 9 – Entrance Control Plan	\$ 5,000.00
Direct Costs	\$ 2,500.00
Total	\$119,630.00

An estimate of fee breakdown with associated staff hours is attached.

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. **Modifications to Contract:**

None

11. **Attachments:**

CBBEL 2024 Standard Charges

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 June 21, 2024.


DUPAGE WATER COMMISSION

By: _____
Paul D. May, PE
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Paul D. May, PE
Title: General Manager
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: may@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

Christopher B. Burke Engineering, Ltd.

By:  _____
Michael Kerr, President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: **Thomas T Burke, Jr, PhD, PE**

Title: Executive Vice President

Address: 9575 W. Higgins Road, Suite 600, Rosemont, IL 60018

E-mail Address: tburke@cbbel.com

Phone: (847) 823-0500

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FEE SUMMARY

DuPage Water Commission
Green Acres Country Club Feasibility
 Cost Breakdown
 June 4, 2024

TASK	Engineer VI	Engineer V	Engineer IV	Engineer III	Environmental Resource Specialist V	Environmental Resource Specialist IV	Environmental Resource Specialist III	CAD Manager	SPACECO	BUDGET	
										Hours	Dollars
Task 1 – Coordination and Meetings	20			8	10				\$ 2,500.00	38	\$11,800.00
Task 2 - Division of Properties Plan									\$ 3,500.00	0	\$3,500.00
Task 3 – Stormwater Management	10	28		50						88	\$18,080.00
Task 4 – Preliminary Grading Plan									\$ 25,000.00	0	\$25,000.00
Task 5 - Preliminary Utility Plan	22		40	30					\$ 7,500.00	92	\$26,800.00
Task 6 – Preliminary Access Plan	4		4	6					\$ 2,500.00	14	\$5,450.00
Task 7 – Preliminary Easement Plan									\$ 7,500.00	0	\$7,500.00
Task 8 – Wetland Plan					23	24	16			63	\$14,000.00
Task 9 – Entrance Control Plan									\$ 5,000.00	0	\$5,000.00
Total Hours per Classification	56	28	44	94	33	24	16	0	\$ 53,500.00		
Average Hourly Rate	\$275.00	\$235.00	\$200.00	\$175.00	\$240.00	\$220.00	\$200.00	\$210.00			
Total Cost Per Job Category	\$15,400.00	\$6,580.00	\$8,800.00	\$16,450.00	\$7,920.00	\$5,280.00	\$3,200.00	\$0.00		295	\$117,130.00

Direct Costs	\$2,500.00
Total Cost	\$119,630.00

TASK ORDER NO. 3

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services dated May 21, 2013, Owner and Consultant agree as follows:

1. **Project:**

Assist the DuPage Water Commission (DWC) with tasks as directed.

2. **Services of Consultant:**

A. Task 1 - CBBEL will assist the DWC and prepare the requested work and attend meetings as needed.

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

None

4. **Commencement Date:**

Effective Date of This Task Order

5. **Completion Date:**

A. 200 days following the Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

* Days exclude Owner's Review Periods

6. **Submittal Schedule:**

Work will be performed as requested.

7. **Key Project Personnel:**

- A. Project Manager: Thomas Burke, PhD, PE
- QA/QC: Lee Fell, PE
- Site Plan Engineer: Dan Stevens, PE
- Utility QA/QC: John Caruso, PE
- Wetlands: Jedd Anderson
- Stormwater Engineer: Luke Sherry, PE

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:

Task	Cost
Task 1	\$40,000.00
Total	\$40,000.00

* Consultant's 2024 Standard Rates Attached

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. **Modifications to Contract:**

None

11. **Attachments:**

CBBEL 2024 Standard Charges

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 June 21, 2024.


DuPAGE WATER COMMISSION

By: _____
Paul D. May, PE
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Paul D. May, PE
Title: General Manager
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: may@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

Christopher B. Burke Engineering, Ltd.

By:  _____
Michael Kerr, President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: **Thomas T Burke, Jr, PhD, PE**
Title: Executive Vice President
Address: 9575 W. Higgins Road, Suite 600, Rosemont, IL 60018
E-mail Address: tburke@cbbel.com
Phone: (847) 823-0500
Fax: (847) 823-0520

**CHRISTOPHER B. BURKE ENGINEERING, LTD.
STANDARD CHARGES FOR PROFESSIONAL SERVICES
EFFECTIVE JANUARY 1, 2024 THROUGH DECEMBER 31, 2024**

<u>Personnel</u>	<u>Charges (\$/Hr)</u>
Engineer VI	275
Engineer V	235
Engineer IV	200
Engineer III	175
Engineer I/II	155
Survey V	240
Survey IV	220
Survey III	200
Survey II	160
Survey I	135
Engineering Technician V	215
Engineering Technician IV	190
Engineering Technician III	140
Engineering Technician I/II	125
CAD Manager	210
CAD II	155
GIS Specialist III	175
Landscape Architect	200
Landscape Designer III	155
Landscape Designer I/II	120
Environmental Resource Specialist V	235
Environmental Resource Specialist IV	190
Environmental Resource Specialist III	150
Environmental Resource Specialist I/II	125
Environmental Resource Technician	140
Business Operations Department	160
Engineering Intern	75
 <u>Direct Costs</u>	
Outside Copies, Blueprints, Messenger, Delivery Services, Mileage	Cost + 12%

These rates are in effect until December 31, 2024, at which time they will be subject to change.