



## AGENDA – Engineering and Construction Committee

Thursday, April 20, 2023 5:45 PM

### Committee Members

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

- I. Roll Call
- II. Approval of the March 16, 2023, Engineering & Construction Committee Minutes

**RECOMMENDED MOTION: To approve the Minutes of the March 16, 2023, Regular Engineering & Construction Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Operations and Construction
- IV. **Resolution No. R-13-23:** A Resolution Approving and Ratifying Task Order No. 07 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed Cost of \$70,000.00)**
- V. **Resolution No. R-14-23:** A Resolution Approving and Ratifying Work Authorization Order 018 Under Quick Response Contract QR-12/21 to Benchmark Construction Co., Inc. **(Estimated Not-To-Exceed \$92,520.00)**
- VI. **Resolution No. R-17-23:** A Resolution Approving a First Amendment to Task Order No. 02 under a Master Contract with Dixon Engineering, Inc. **(Increase the Not-To-Exceed Cost by \$20,000.00 to a Total Not-To-Exceed Cost of \$58,600.00)**
- VII. **Resolution No. R-18-23:** A Resolution to Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21 to repair or replace the Dresser couplings on each effluent pipe and mitigate corrosion at 6 (six) meter stations **(WAO 019 – Estimated Cost of \$30,600.14)**

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

- VIII. Other
- IX. Adjournment

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**Minutes of a Meeting  
of the**

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**ENGINEERING & CONSTRUCTION COMMITTEE**

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

March 16, 2023

Chairman Fennell called the meeting to order at 6:01 P.M.

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

Committee members absent: D. Novotny, and J. Zay

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

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

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

Regarding R-11-23, Manager of Water Operations Bostick advised the Committee that approval and ratification of Task Order No. 21 with AECOM Technical Services will allow staff to perform a comprehensive Condition Assessment of the Lexington Pump Station's critical facilities. Manager of Water Operations Bostick informed the Committee that while the City of Chicago maintains operational control over Lexington Pump Station, the Commission, under an Enhanced Maintenance Agreement with the City approved in 2007, is responsible for initially financing and managing capital improvements at the facility with reimbursement by the City for 50% of the costs through water credits. Chairman Fennell inquired as to which entity would effectively manage the projects, Manager of Water Operations Bostick advised the Committee that DWC staff will oversee the improvements.

In regard to R-10-23, Manager of Water Operations Bostick advised the Committee that this item appears on the agenda authorizing the General Manager to execute a two-year extension of Contract QR-12/21. Manager of Water Operations Bostick noted that staff is satisfied with the work of all three contractors and would like to continue under the existing terms - and all three contractors have agreed to the extension.

Manager of Water Operations Bostick advised the Committee that Raftelis, Inc. continues development of the Cost-of-Service Study in advance of Water Purchase and Sale Agreement contract negotiations with the City of Chicago and in a sperate, but related matter, Carollo Engineers has completed and issued a draft technical report on various aspects of potential alternate sources of Lake Water for the Commission. Manager of Water Operations Bostick advised the Committee that these reports will be presented for consideration at the April 20, 2023 Commission meeting.

Manager of Water Operations Bostick reported to the Committee the Pumping Station Drainage Improvement project is nearing completion, however significant corrosion was found on the exterior pipe wall and immediate remedial action was necessary. Manager of Water Operations Bostick advised that the General Manager would be providing a presentation on the matter during the full Commission meeting and that staff intends to accelerate corrosion studies and any necessary remediation on the remainder of on-site supply and discharge piping.

Manager of Water Operations Bostick advised the Committee that Burns & McDonnell Engineering Co. continues work to review and validate the DuPage Water Commission's Meter Testing Program including support for Commission Customer's annual LMO-2 IDNR water audit submittals. The final document should be completed in the 1<sup>st</sup> Quarter of 2023.

Regarding R-8-23, Manager of Water Operations Bostick advised the committee that Change Order No. 01 to Contract PSD-10/22 appears on the agenda seeking approval of changes in work scope already performed and other changes in work scope for necessary work which were unintentionally omitted from the bidding documents for the DPPS Emergency Generation System Modifications.

Regarding R-9-23, Manager of Water Operations Bostick advised the Committee Change Order No. 01 appears on the agenda seeking authorization to potentially provide heat and dehumidification to provide optimal conditions for the rehabilitation of piping and application of the industrial coatings called out in Contract PSD-11/22 for the Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation.

Manager of Water Operations Bostick reported that the SCADA System contract is ongoing with Control Room remodeling underway as well as several project workshops which continue to coordinate and develop the SCADA system graphics, programming, reporting and security.

Chairman Fennell inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Bouckaert moved to recommend approval of items 2 through 5 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Saverino and unanimously approved by a Voice Vote.

Chairman Fennell inquired the Committee if any other business or other items to be discussed.

Manager of Water Operations Bostick reported that over the past year, DWC staff has performed a thorough review of transmission and distribution system isolation valve locations and their impact on Commission customers. Staff has determined that in many cases, the current placement of the isolation valves, when operated to isolate a pipe node will impact delivery of water to two or more of a single customer's multiple connection points or in some cases multiple connection points to multiple customers. Manager of Water Operations Bostick suggested the Board adopt a policy regarding system improvements to provide redundancy, to continue service customers in the event that a shutdown at identified critical locations becomes necessary. Manager of Water Operations Bostick reported that staff is looking forward to engaging in a continuing conversation with the committee regarding system redundancy and development of a policy to determine funding responsibility.

March 16, 2023

With no other items coming before the Committee, Commissioner Bouckaert moved to adjourn the meeting at 6:30 P.M. Seconded by Commissioner Saverino and unanimously approved by a Voice Vote.

SP2013/MINUTES/ENGINEERING/2023/ENG230316.doc



## MEMORANDUM

**To:** Paul May – General Manager

**From:** Chris Bostick – Manager of Water Operations *ROB*

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

**Date:** 4/13/2023

**Subject:** Status of Operations and Construction

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### Operations Overview

The Commission's sales for the month of March 2023 were a total of 1.99 billion gallons. This represents an average daily demand of 64.1 million gallons per day (MGD), which is lower than the March 2022 average day demand of 64.8 MGD. The maximum day demand was 72.5 MGD recorded on March 15, 2023, which is higher than the March 2022 maximum day demand of 69.7 MGD. The minimum day flow was 59.3 MGD.

The Commission's recorded total precipitation for the month of March 2023 was 2.50 inches compared to 3.64 inches for March 2022. The level of Lake Michigan for March 2023 is 578.84 (Feet IGLD 1985) compared to 579.07 (Feet IGLD 1985) for March 2022.

### Operations & Instrumentation Maintenance and Construction Overview

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

Start-up of newly installed water quality monitoring equipment at various locations throughout the distribution system is ongoing. Currently, 3 units are active and monitoring, 6 additional units are forthcoming.

**Lexington Pump Station**

AECOM Technical Services and Staff have nearly completed a comprehensive Condition Assessment of the Lexington Pump Station's critical facilities. While the City of Chicago maintains operational control over Lexington Pump Station, the Commission, under an Enhanced Maintenance Agreement with the City approved in 2007, is responsible for initially financing and managing capital improvements at the facility with reimbursement by the City for 50% of the costs through water credits. As the singular most critical piece of infrastructure required to deliver Lake Michigan water to Commission Customers, it is necessary for the Commission to insure the City's proper operation and maintenance of the facility.

**Pipeline & Remote Facilities Maintenance and Construction Overview**

Pipeline Staff continue performing an annual valve exercising program.

Pipeline Staff continue inspecting and performing maintenance work on Cathodic Protection Test Stations.

Regarding R-13-23, A Task Order 7 with DeLasCasas CP, LLC appears on the agenda seeking authorization for the consultant to perform the Annual 2023 Test Point and Close Interval Survey on approximately 85%, or roughly 170 miles, of the pipeline distribution system. The other 15% will be assessed with feasibility and commissioning testing as a part of the FY/24-28 Capital Improvement Program.

R-18-23 appears on the agenda to approve Task Order No. 019 to replace six (6) 16" diameter pipe couplings in six separate meter stations that are severely corroded and in some cases are seeping water.

Over the past year, DWC Staff has performed a thorough review of transmission and distribution system isolation valve locations and their impact on Commission Customers. Staff has determined that in some cases, the current placement of the isolation valves when operated to isolate a pipe node, will curtail delivery of water to two or more of a single customer's multiple connection points or in some cases multiple connection points to multiple customers. Staff will continue the conversation regarding system redundancy.

**Engineering & Capital Improvement Program Overview**

Raftelis, Inc. previously completed review of the Cost-of-Service Study to support contract negotiations with the City of Chicago regarding the Water Purchase and Sale Agreement. The City of Chicago had issued a partial response to the first round of questions generated by Raftelis. Staff have met with Raftelis and issued a follow-up series of questions and data requests.

Carollo Engineers has completed their report on various potential alternate sources of Lake Water for the Commission. The draft report has been tendered and a presentation will be shared with the entire Board at the April Commission meeting.

The Pumping Station Drainage Improvement project is completed with the exception of final restoration.

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The project is underway but pending activity resulting from supply chain delays in receiving structural glazed block.

Caterpillar/Altorfer Power Systems and staff and the engineers continue working through the submittal documents for the Generator Controls Update Project.

Schneider Electric, the Building Automation System (BAS) upgrade Contractor, continues the installation of upgraded HVAC network controllers and programming. This project consists of updating HVAC and Lighting Controls in the Pump Station and Generator Facilities.

Regarding R-14-23, A Work Authorization Order 018 under Contract QR-12/21 appears on the agenda to Benchmark Construction Co. Inc. seeking authorization to install new cathodic protection systems to mitigate stray current from a 36" Nicor gas main, and to ensure the 72" diameter steel piping meets AMPP (Association for Materials Protection and Performance) criteria. Galvanic anode beds will be added in multiple areas across steel pipelines.

Regarding R-17-23, a First Amendment to Task Order 2 with Dixon Engineering appears on the agenda seeking authorization for additional Resident Engineering Services and Hold-Point Inspections for PSD-11/22, Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract. The work includes abrasive blasting of pipe and structural elements and apply insulated coatings to the steel piping. The contractor is almost complete with abrasive blasting and primer coats and is scheduled to begin applying the insulative coating. The revised task order provides for Dixon Engineering to be onsite during each application of the insulative coating, when directed by DWC staff.

Benchmark continues to install galvanic anode beds across the 72" pipeline from Chicago to mitigate stray current from the CTA and ensure the pipeline is meeting AMPP criteria. This project is 90% complete. DelasCasas CP will be onsite in May to do commissioning and quality-assurance testing.

### **SCADA & Information Technology Overview**

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The Control Room remodel continues, electrical and HVAC rough ins have been completed, walls have been painted/wallpapered, the ceiling grid has been installed, and the terrazzo floor installation is expected to commence shortly. The new SCADA system is taking form, with Commission staff working with Concentric Integration to finish the design of the Pump Station HMI screens. Workshops are continuing in preparation for upcoming tasks such as the DPPS UPS installation, duct bank installation, the campus fiber backbone replacement, and importantly the DWC campus control panel replacement. There has been a coordinated and continual effort from Commission staff to provide their input and knowledge in the development of this system. The project is progressing under budget and on schedule.

**April 2023 Commission Agenda Items:**

**Resolution No. R-13-23:** A Resolution Approving and Ratifying Task Order No. 07 Under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed Cost of \$70,000.00)**

**Resolution No. R-14-23:** A Resolution Approving and Ratifying Work Authorization Order 018 Under Quick Response Contract QR-12/21 to Benchmark Construction Co., Inc. **(Estimated Not-To-Exceed \$92,520.00)**

**Resolution No. R-17-23:** A Resolution Approving a First Amendment to Task Order No. 02 under a Master Contract with Dixon Engineering, Inc. **(Increase the Not-To-Exceed Cost by \$20,000.00 to a Total Not-To-Exceed Cost of \$58,600.00)**

**Resolution No. R-18-23:** A Resolution to Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO 019 – Estimated Cost of \$30,600.14)**

**Attachments**

1. DuPage Laboratory Bench Sheets for March 2023
2. Water Sales Analysis 01-May-2018 to 28-March-2023
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation

DUPAGE WATER COMMISSION  
PWS FACILITY ID# - IL435400  
MONTHLY OPERATIONS REPORT  
MARCH 2023

DATE	CHICAGO SUPPLY		DUPAGE DISCHARGE				
	FLOW (MG)	FREE Cl <sub>2</sub> (mg/L)	FLOW (MG)	FREE Cl <sub>2</sub> (mg/L)	12.5 % Cl <sub>2</sub> in NaOCl #s Added	DWC FREE Cl <sub>2</sub>	
						Calculated (mg/L)	Measured (mg/L)
1	68.42	1.42	64.16	1.36	28.8	1.42	1.36
2	62.29	1.40	64.52	1.35	28.8	1.40	1.35
3	64.26	1.41	62.41	1.33	28.8	1.41	1.33
4	62.50	1.37	65.73	1.36	28.8	1.37	1.36
5	66.01	1.41	66.19	1.38	28.8	1.41	1.38
6	64.65	1.36	64.80	1.39	28.8	1.36	1.39
7	61.71	1.38	64.18	1.37	28.8	1.38	1.37
8	70.03	1.35	67.32	1.51	28.8	1.35	1.51
9	64.29	1.43	74.05	1.35	28.8	1.43	1.35
10	66.46	1.29	70.71	1.37	28.8	1.29	1.37
11	65.01	1.40	77.74	1.48	28.8	1.40	1.48
12	71.39	1.41	68.46	1.41	28.8	1.41	1.41
13	64.98	1.33	68.69	1.44	28.8	1.33	1.44
14	64.43	1.32	61.73	1.41	28.8	1.32	1.41
15	78.95	1.28	75.63	1.38	28.8	1.28	1.38
16	56.95	1.34	63.86	1.38	28.8	1.34	1.38
17	68.83	1.49	67.42	1.51	28.8	1.49	1.51
18	73.37	1.52	69.10	1.41	28.8	1.52	1.41
19	59.52	1.51	67.34	1.35	28.8	1.51	1.35
20	72.05	1.44	68.21	1.39	28.8	1.44	1.39
21	59.23	1.29	62.44	1.36	28.8	1.29	1.36
22	70.99	1.40	68.46	1.33	28.8	1.40	1.33
23	64.91	1.47	65.01	1.41	28.8	1.47	1.41
24	64.53	1.39	62.12	1.40	28.8	1.39	1.40
25	65.29	1.42	65.83	1.43	28.8	1.42	1.43
26	61.67	1.47	61.76	1.40	28.8	1.47	1.40
27	57.54	1.48	58.88	1.36	28.8	1.48	1.36
28	67.63	1.37	62.76	1.35	28.8	1.37	1.35
29	57.10	1.40	61.42	1.37	28.8	1.40	1.37
30	69.50	1.42	63.78	1.39	28.8	1.42	1.39
31	56.58	1.44	61.78	1.36	28.8	1.44	1.36
TOTAL	2021.07	43.41	2046.29	43.09	892.80	43.54	43.09
AVG.	65.20	1.40	66.01	1.39	28.80	1.40	1.39
MAX.	78.95	1.52	77.74	1.51	28.80	1.52	1.51
MIN.	56.58	1.28	58.88	1.33	28.80	1.28	1.33

Mike Weed, Operations Supervisor  
Illinois ROINC # 186860234

4/4/23

Date

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Mar-23

PER DAY AVERAGE 78,079,016

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-19	2,081,843,000	2,147,990,870	96.92%	\$10,346,759.71	\$8,469,528.00	6,561,100	0.31%	97.23%	\$4.97	\$3.943
Jun-19	2,176,802,000	2,246,817,638	96.88%	\$10,818,705.94	\$8,931,100.11	434,900	0.02%	96.90%	\$4.97	\$3.975
Jul-19	2,639,452,000	2,714,539,721	97.23%	\$13,118,076.44	\$10,790,295.39	649,900	0.02%	97.26%	\$4.97	\$3.975
Aug-19	2,649,696,000	2,735,242,272	96.87%	\$13,168,989.12	\$10,872,588.03	638,420	0.02%	96.90%	\$4.97	\$3.975
Sep-19	2,206,442,000	2,264,715,472	97.43%	\$10,966,016.74	\$9,002,244.00	617,581	0.03%	97.45%	\$4.97	\$3.975
Oct-19	2,016,445,000	2,084,749,872	96.72%	\$10,021,731.65	\$8,286,880.74	1,204,331	0.06%	96.78%	\$4.97	\$3.975
Nov-19	1,915,266,000	1,976,465,358	96.90%	\$9,518,872.02	\$7,856,449.80	8,679,153	0.44%	97.34%	\$4.97	\$3.975
Dec-19	1,990,807,000	2,061,549,253	96.57%	\$9,894,310.79	\$8,194,658.28	4,646,824	0.23%	96.79%	\$4.97	\$3.975
Jan-20	1,982,608,000	2,040,353,072	97.17%	\$9,853,561.76	\$8,110,403.46	789,652	0.04%	97.21%	\$4.97	\$3.975
Feb-20	1,871,298,000	1,913,980,302	97.77%	\$9,300,351.06	\$7,608,055.65	978,927	0.05%	97.82%	\$4.97	\$3.975
Mar-20	1,957,293,000	2,014,856,325	97.14%	\$9,727,746.21	\$8,009,053.89	697,896	0.03%	97.18%	\$4.97	\$3.975
Apr-20	1,863,825,000	1,911,777,366	97.49%	\$9,263,210.25	\$7,599,315.03	271,200	0.01%	97.51%	\$4.97	\$3.975
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
TOTALS (1)	881,668,250,798	907,151,424,243	97.19%	\$2,132,226,659.81	\$1,886,742,564.77	861,222,544	0.09%	97.29%	\$2.42	\$2.080

(1) - SINCE MAY 1, 1992

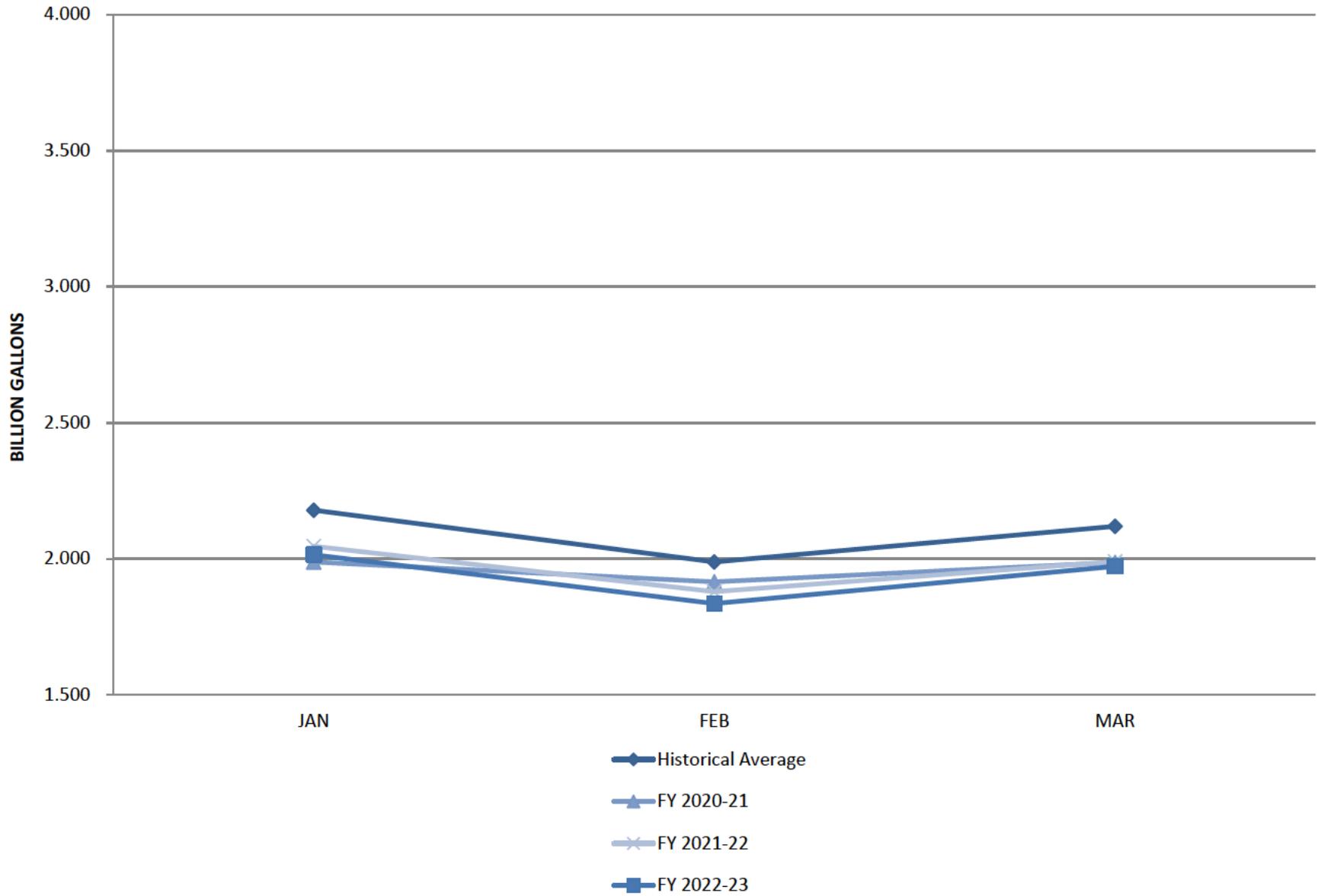
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

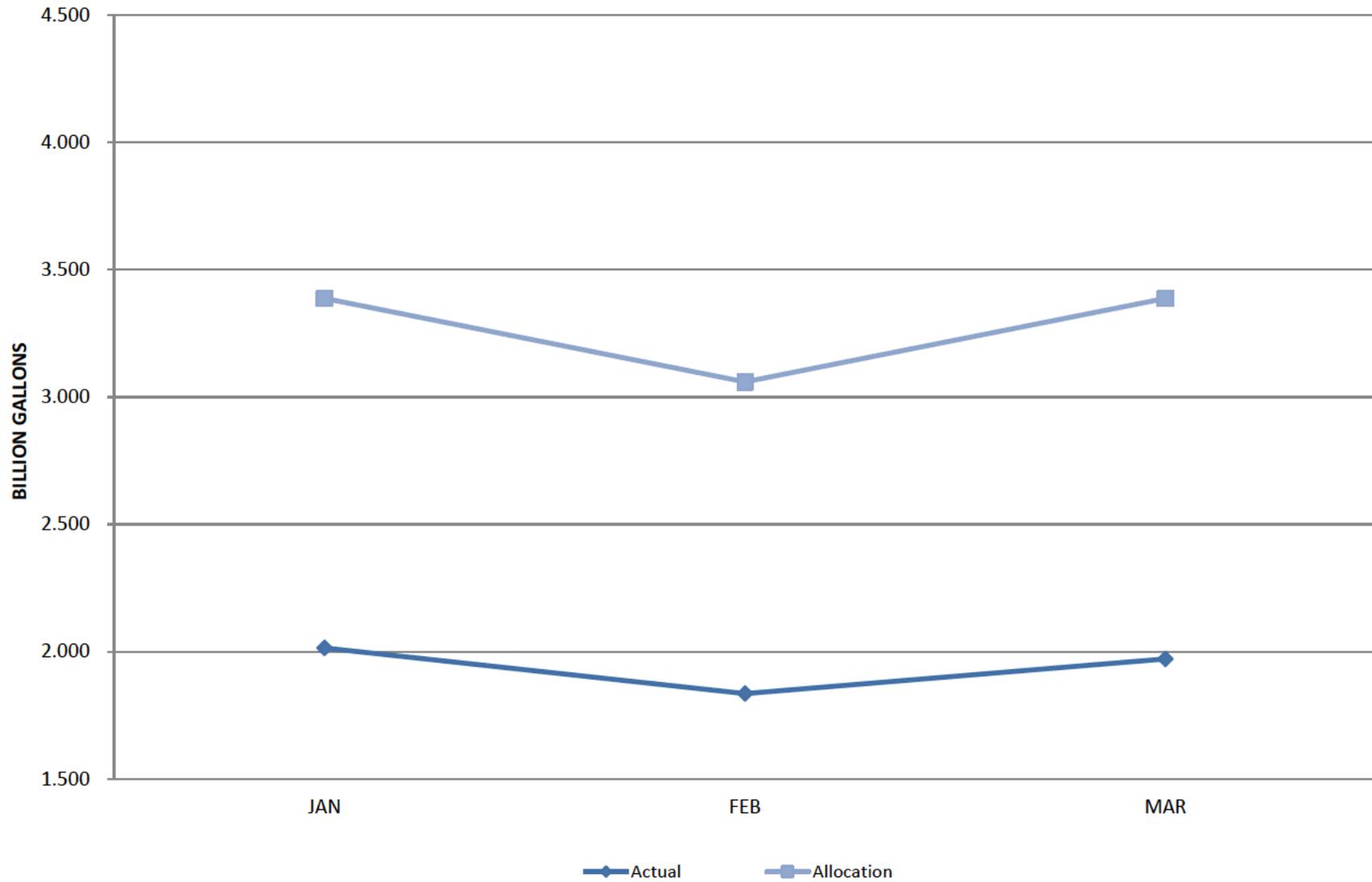
YTD

Mar-22	24,883,339,000	25,655,116,593	96.99%	123,670,195	105,490,827			\$4.97	\$4.112
Mar-23	24,833,809,000	25,549,187,599	97.20%	128,639,131	109,940,647			\$5.18	\$4.303
	(49,530,000)	(105,928,994)		\$4,968,936	\$4,449,820				
	-0.2%	-0.4%		4.0%	4.2%				
Month									
Mar-22	1,990,472,000	2,061,912,643	96.54%	9,892,646	8,486,832			\$4.97	\$4.116
Mar-23	1,971,974,000	2,026,257,691	97.32%	10,214,825	8,757,453			\$5.18	\$4.322
	(18,498,000)	(35,654,952)		\$322,179	\$270,621				
	-0.9%	-1.7%		3.3%	3.2%				
Mar>Feb	136,377,000	143,098,774		706,433	618,441				

# DU PAGE WATER COMMISSION SALES FY 2022-23, 2021-22 & 2020-21 VS. HISTORICAL AVERAGE



## DU PAGE WATER COMMISSION SALES FY 2022-23 VS. ALLOCATION





**Resolution #:** R-13-23

**Account:** 01-60-663200, NTE \$70,000

**Approvals:** *Author / Manager / Finance / Admin*

**JH RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 4/13/2023

**Description:** **A Resolution Approving and Ratifying Task Order No. 07 Under a Master Contract with DeLasCasas CP, LLC**

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

The Commission entered into a Master Contract with DeLasCasas CP, LLC, for professional engineering services on August 23, 2021, in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-13-23 would approve Task Order 07 to the Master Contract:

### **Task Order No. 07: Corrosion Control Program - 2023 Test Point and Close Interval Survey (CIS)**

Task Order No. 07 would authorize the consultant to perform a Test Point and CIS survey on approximately 85%, or roughly 170 miles, of the Commission's transmission and distribution system piping; the remaining 15% will be assessed with feasibility and commissioning testing as a part of the FY 24-28 Capital Improvement Program.

The Test Point survey work will include obtaining pipe-to-soil readings, casing-to-soil readings, anode current readings and electrical isolation testing. A report summarizing the results of the data shall be provided to the Commission for review and will include, among other things, an evaluation of data obtained and recommendations for future testing and/or mitigation. To maintain the Commission's efforts with respect to establishing and monitoring corrosion trends and activity over the long term, it is recommended that a Test Point survey be repeated on a yearly basis.

The Close Interval Survey is conducted by measuring the electrical potential, or difference as expressed in millivolts, between the pipe and the soil directly over the pipe at the surface elevation. The Close Interval Survey work will include gathering pipe to soil readings at ten-foot intervals along the entire length of the pipeline to be tested, and a report summarizing the results of the data which will include an evaluation of data obtained and recommendations for future testing and/or mitigation. Over the past two years, the Commission has prioritized completing the CIS survey on all its steel transmission main. The 2023 CIS survey will be completed on the final 10% of steel transmission main which has not yet been assessed within the past two years. CIS surveys are recommended to be completed every 7 years. The not-to-exceed cost for this Task Order is \$70,000.

### **Recommended Motion:**

To adopt Resolution No. R-13-23.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-13-23**

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**A RESOLUTION APPROVING AND RATIFYING  
TASK ORDER NO. 07 UNDER A MASTER CONTRACT WITH DELASCASAS CP, LLC**

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

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

WHEREAS, the Consultant has 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 the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed, the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
James Zay, Chairman

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk

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EXHIBIT 1

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## TASK ORDER NO. 07

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

1. **Project:**

Perform the Annual 2023 Test Point Survey and CIS Survey for the DuPage Water Commission as delineated in the proposal from DeLasCasas CP, LLC dated March 29, 2023 and March 31, 2023.

2. **Services of Consultant:**

A. Test Point Survey Basic Services:

Perform a Test Point Survey on approximately 160 miles of pipeline on the listed DWC Pipelines (+ 10 miles CIS):

Line	Approximate # of test stations	Distance (feet)	Distance (miles)
TE-1/88	27	47,387	9
TSW-D/87	48	56,415	11
TNW-1/88	51	62,906	12
TS-3/88	109	90,822	17
TOB-E/87	61	100,749	19
TN-1/88	54	69,743	13
TS-5/97	54	38,900	7
TW-1	38	26,090	5
DPPS Yard Piping	17	n/a	n/a
NW-1	8	8,611	2
FS-3/96	14	12,925	2
TW-3/17	17	25,072	5
FSW-4/89	6	9,171	2
FSW-1/89	76	71,505	14
FN-/89	55	49,515	9
FOB-2/89	72	76,353	14
FNW-2/89	42	51,788	10
FS-2/89	35	37,391	7
BTM-1/20	6	1,210	0
<b>Total</b>	<b>790</b>	<b>836,553</b>	<b>159</b>

1. Review the initial record drawings, test station locations, test station types, and CP components of the DWC lines included in the Test Point Survey for 2023. Review the existing annual CP Surveys for these lines.
2. Perform field testing during May to July 2023, when all the power sources in the Chicago area will be synchronously interrupted, to obtain the following:
  - a. ON and OFF Pipe-to-Soil potentials at each test point
  - b. ON and OFF Pipe-to-Soil potentials, current magnitude and direction at existing bonds
  - c. Potentials, current direction, and magnitude at the sacrificial anode systems
  - d. Rectifier Outputs and characteristics
  - e. ON and OFF Casing-to-Soil potentials (when applicable)
  - f. ON and OFF potentials to verify electrical isolation (when applicable)

All the readings shall be taken with a GPS data logger. Take pictures of each test station and provide to the Owner in a form of a photo report.

3. Prepare, for review and approval by Owner, a report summarizing the results of the data obtained, evaluation of data obtained, and recommendations. Provide a copy of all survey data.

B. CIS Survey Basic Services:

1. Review the initial record drawings, test station locations, test station types, and CP components for TSW-3/98 from previous CP surveys.
2. Perform field testing during May to July 2023, when all the power sources in the Chicago area will be synchronously interrupted, to obtain the following:
  - a. Perform a On-Off CIS on the pipeline.
  - b. Measure On and Off pipe to soil potentials, current magnitude, and direction at existing bonds.
  - c. Measure the potentials, current direction, and magnitude at the sacrificial anode systems.
  - d. All the readings will be taken with a GPS data logger. GPS data will have sub-meter accuracy.
3. Provide for review and approval by Owner, a report with data gathered with conclusions and recommendations. All the readings shall be taken with a GPS data logger.

C. Additional Services:

None

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

None

4. **Commencement Date:**

May 1, 2023

5. **Completion Date:**

August 31, 2023 plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

6. **Submittal Schedule:**

None

7. **Key Project Personnel:**

Names:

Telephone:

Rogelio De Las Casas

312.835.0272

Jennifer De Las Casas

312.636.2845

8. **Contract Price:**

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

**Test Point Survey Services – Not to Exceed \$55,000.00**

**CIS Survey Services – Not to Exceed \$15,000.00**

9. **Payments:**

For purposes of payments to Consultant, the value of the Services under this Task Order shall be determined as follows:

Direct Labor Costs shall mean salaries and wages paid to all Consultant personnel, including all professionals whether owners or employees, engaged directly on the Project, but shall not include indirect payroll related costs or fringe benefits.

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

10. **Special Safety Requirements:**

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

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

11. **Modifications to Contract:**

None

12. **Attachments:**

None

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

The Effective Date of this Task Order is April 21, 2023.

DUPAGE WATER COMMISSION

By: \_\_\_\_\_  
Paul D. May, P.E.  
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney

Title: Project Engineer

Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642

E-mail Address: haney@dpwc.org

Phone: (630) 834-0100

Fax: (630) 834-0120

DELASCASAS CP, LLC

By: \_\_\_\_\_  
Jennifer De Las Casas  
LLC Managing Member

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Rogelio De Las Casas

Address: 111 Ambassador Ave, Romeoville, Illinois, 60446

E-mail Address: rogelio@delascasascp.com

Phone: (312) 835-0272



**Resolution #:** R-14-23

**Account:** 01-60-751200, NTE \$92,520

**Approvals:** *Author / Manager / Finance / Admin*

**JH RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 4/13/2023

**Description:** **A Resolution Approving and Ratifying Work Authorization Order 018 Under Quick Response Contract QR-12/21 to Benchmark Construction Co., Inc.**

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

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The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc., QR-12/21, for quick response construction work, as needed, through the issuance of Work Authorization Orders. Resolution No. R-14-23 would approve Work Authorization Order 018 under the Quick Response Contract. Staff procured pricing from the QR contractors and found Benchmark to be the lowest cost alternative and most suitably equipped for the proposed work.

### **Work Authorization Order No. 018 to Benchmark Construction Co., Inc.**

During the annual 2022 Closed Interval Survey, the Commission's Corrosion Consultant identified an area of current drain where DWC's pipeline crosses a Nicor gas main. Under this WAO, Benchmark will add galvanic anodes in the area to mitigate the influence of stray current from the Nicor gas main upon the DWC pipeline in the vicinity.

In addition, the annual 2022 Closed Interval Survey also identified several areas of the Inner Belt Transmission (TIB) main, a 72" diameter steel pipe, that were not meeting AMPP (The Association for Materials Protection and Performance) criteria and were experiencing stray current from nearby gas pipelines. As a part of this Work Authorization Order, Benchmark will add anodes at three sites on TIB. Each site will have approximately 4 to 5 shafts holes augured to a depth of 30 feet to which two galvanic anodes will be inserted per shaft.

Approval of Resolution R-14-23 would approve Work Authorization Order Number 018 to Benchmark Construction Co., Inc. for the work necessary to install galvanic anode beds at various locations along DWC's steel pipelines. The estimated cost of this work is expected to be \$92,520.

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**Recommended Motion:**

To adopt Resolution No. R-14-23.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-14-23**

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**A RESOLUTION APPROVING AND RATIFYING WORK AUTHORIZATION ORDER 018 UNDER QUICK RESPONSE CONTRACT QR-12/21 TO BENCHMARK CONSTRUCTION CO., INC.**

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

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

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

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

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

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

Authorization Orders are germane to the original contracts as signed, and/or the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS \_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
James Zay, Chairman

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk

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EXHIBIT 1

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## WORK AUTHORIZATION ORDER

SHEET 1 OF 7

### **CONTRACT QR-12/21: QUICK RESPONSE CONTRACT**

**WORK AUTHORIZATION ORDER NO.: QR-12.018**

**LOCATION:**

1. Various locations across as according to the plans in attachment.

**CONTRACTOR:**

Benchmark Construction Co., Inc.

**DESCRIPTION AND REASON TO COMPLETE WORK:**

1. DWC has a 36" steel water main on 75th Street and east of Devereux Rd, which is experiencing stray current from a 36" Nicor gas main. DWC previously had a leak in this area, added anodes to the pipe, and they have all since been depleted. As such DWC would like to replace the galvanic anode bed. The exact locations of the Work are depicted in the Contract Drawings. The approximate depths of the excavations are delineated in Contract Drawings.
2. The annual 2022 Closed Interval Survey identified several areas of the Inner Belt Transmission main, a 72" diameter steel water main, which were not meeting AMPP (The Association for Materials Protection and Performance) criteria and were experiencing stray current from nearby gas pipelines. To correct this issue, Benchmark will add anodes at three sites on TIB. Each site will have 4-5 30ft holes augured to which two galvanic anodes will be inserted per hole. The exact locations of the Work are depicted in the Contract Drawings. The approximate depths of the excavations are delineated in Contract Drawings.

All work shall be completed as according to the Contract Drawings.

No work shall be performed without the presence of the Owner. At the discretion of the Owner, specific aspects of the project may not be performed without the presence of the Engineer.

The Contractor will be responsible for determining the locations of all underground utilities and shall comply with the Illinois Underground Utility Facilities Damage Prevention Act. The Contractor shall contact the One-Call Notice Systems, commonly referred to as J.U.L.I.E. or by telephoning 811 or 1-312-744-7000 at least 48 hours prior to excavation.

**MINIMUM RESPONSE TIME:**

The project is to be completed by September 30, 2023.

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

DWC will provide the terminal board in the handhole test stations. DWC will provide all cathodic protection parts and appurtenances.

**THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER**

IS  IS NOT PRIORITY WORK

**SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:**

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

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

**SUBMITTALS REQUESTED:**

None

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

See attached.

**DUPAGE WATER COMMISSION**

By: \_\_\_\_\_  
Signature of Authorized  
Representative

DATE: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

By: \_\_\_\_\_  
Signature of Authorized  
Representative

Safety Rep: \_\_\_\_\_  
Name and 24-Hr Phone No.

DATE: \_\_\_\_\_

## **SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

### **Supplemental Specifications:**

#### **1.0 COORDINATION AND CONTRACTOR REQUIREMENTS**

##### **1.1 Coordination and Meetings**

###### **a) Coordination**

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

##### **1.2 Notification Schedule**

- a) The Contractor shall contact the appropriate Highway Authority a minimum of 48 hours prior to the start of construction to arrange for Worksite inspections.
- b) The Contractor shall contact the Owner a minimum of 48 hours prior to the start of construction to arrange for Owner / Engineer's presence.

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***Note:***

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

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#### **2.0 QUALIFICATIONS, TESTING AND ACCEPTANCE**

##### **2.1 Quality Assurance / Control Testing**

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

## 2.2 Acceptance Tests

- a) All acceptance tests will be performed by the Engineer.
- b) All components and equipment will be in operating order and within the manufacturer's operating specifications.
- c) The following tests, at a minimum, shall be performed by the Owner's Engineer to confirm proper installation and operation.
  - 1) Prior to burial of cable-to-structure connections, conduct tests to verify the connection of the test cable to the structure.
  - 2) Measure the resistance of any completed splice in the anode or pipe cable.
  - 3) Measure the potential of each galvanic anode with respect to a Cu/CuSO<sub>4</sub> reference. Verify all test procedures with the Engineer.
  - 4) Verify the leads remain connected to the anodes during the remainder of construction.
- d) Final acceptance is contingent upon satisfactory results of the surveys or tests.

## 3.0 TRAFFIC CONTROL AND PROTECTION

### 3.1 General

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

## 4.0 BACKFILL

### 4.1 Material

- a) Backfill material shall be the following:
  - Use backfills for hole per Contract Drawings or use:
    - o Native soil, pulverized dirt, or equivalent with no sharp rocks or other objects that could damage the anode cloth bag or the cables isolation coating. Owner is to approve all backfill.
    - o Do not use granular backfill material consisting of crushed

gravel around or between anodes.

## **5.0 CLEAN-UP**

- a) The Contractor shall always maintain a clean work area. Work area shall be free of rubbish and surplus or waste material.
- b) The Contractor shall properly dispose of any unused excavation material.
- c) The Contractor shall be responsible for leaving all areas equal to the condition which existed before the Work began. This includes furnishing all labor and materials to replace or restore any of the following:
  - Surface materials
  - Drainage ditches
  - Culverts
  - Paving
  - Curbing
  - Sidewalks
  - Roads
  - Driveways
  - Shrubbery
  - Fences
  - Sod
  - Hedges
  - Street signs
  - Other similar improvements

## **6.0 RESTORATION OF VEGETATION**

- a) All disturbed grass areas shall be restored according to the following.
  - 1) All excavations shall be properly backfilled and compacted to minimize future settlement.
  - 2) A minimum six-inch (6") layer of delivered screened rich dark

pulverized topsoil will be placed above the properly backfilled and compacted excavation.

- 3) Topsoil will be free of roots, sticks, weeds, brush, stones, or other litter and waste products.
- 4) All disturbed grass areas will be seeded unless specified differently on the Drawings. Use a seed mixture applicable to the disturbed area per the Contract Drawings.

b) The Contractor shall replace all existing plants removed or damaged.

- 1) The Contractor is responsible for all plant care during the period of establishment for replaced plants and shall comply with all requirements of the Authority Having Jurisdiction.
- 2) Plants that do not meet the requirements for acceptance will be replaced by the Contractor at their expense and carry the same guarantee.
- 3) Restoration of trees shall be of the same species, variety, balanced appearance, and size.
- 4) Restoration of shrubs, small trees, or evergreens will be of the same species, variety, balanced appearance, and size, either height or width.

c) Any of the above items neglected by the Contractor will be handled by the Owner. The Owner may deduct the cost of such work from any monies due the Contractor or recover the cost from Contractor.



**Resolution #:** R-17-23

**Account:** 01-60-722200; NTE \$20,000

**Approvals:** *Author / Manager / Finance / Admin*

**JH RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 4/13/2023

**Description:** **A Resolution Approving a First Amendment to Task Order No. 02 under a Master Contract with Dixon Engineering, Inc.**

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

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### 01-60-722200 (Increase in Cost by \$20,000.00)

On August 18, 2022, the Commission approved R-50-22, Task Order No. 02 with Dixon Engineering, Inc. for services related to the preparation of Technical Specifications and Bidding Documents for PSD-11/22, a Contract for the Coatings Rehabilitation of the Influent, Effluent, and 72" Meter Building piping and related structural elements. Task Order No. 02 also included limited resident engineering services including a total of 36 "Hold Point" Inspections.

The PSD-11/22 Contract specified applying an insulative coating to 84" diameter piping which requires an application of 150 mil dry film thickness. To reach this dry film thickness requirement, the coating needs to be applied 8-10 times. Not anticipated during Task Order No. 02 development, the work requires inspection at each layer of coating application. This coating system requirement will require additional Hold-Point Inspections and Resident Engineering Services from Dixon, that were not originally anticipated.

Approval of Resolution R-17-23 would approve the First Amendment to Task Order No. 2. to Dixon Engineering, Inc. for additional Resident Engineering Services and Hold-Point Inspections for PSD-11/22. This work is at an additional cost of \$20,000 revising the Task Order not-to-exceed cost from \$38,600.00 to \$58,600.00.

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### Recommended Motion:

To adopt Resolution No. R-17-23.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-17-23**

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**A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 02  
UNDER A MASTER CONTRACT WITH DIXON ENGINEERING, INC.**

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

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

WHEREAS, pursuant to Resolution No. R-50-22, the Commission approved Task Order No. 02 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to amend Task Order No. 02 to the Master Contract to add to the scope of work for resident engineering services and to increase the not-to-exceed cost of the services, the Board of Commissioners of the DuPage Water Commission hereby finding and determining, based upon the representations of Staff and Consultant that the circumstances said to necessitate the changes were not reasonably foreseeable at the time Task Order No. 02 was signed, the changes are germane to the Task Order as signed, and/or the changes are in the best interest of the DuPage Water Commission and authorized by law; and

WHEREAS, the Consultant has approved the First Amendment to Task Order No. 02 attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1;

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

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

SECTION TWO: The First Amendment to Task Order No. 02 attached hereto as Exhibit 1 shall be and hereby is approved.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
James Zay, Chairman

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk  
Board/Resolutions/2022/R-17-23.docx

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EXHIBIT 1

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## **FIRST AMENDMENT TO TASK ORDER NO. 2**

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services dated March 16, 2018, Owner and Consultant agree as follows:

1. **Project:**

Prepare the Technical Specifications and Bidding Documents using Design, Bid, Build Project Strategy to include; Additions to General or Special Conditions for placement into Owner's standard form of bidding/contract documents relevant to coating rehabilitation projects; Develop Technical Specifications and Drawings for Health, Safety and Structural Repairs following at a minimum AWWA, NACE & SSPC (AMPP) and OSHA standards and perform routine inspections of the work while in progress, based upon Dixon Engineering's proposal 13-22-66-21 dated July 21, 2022. and revised scope of work email dated April 3, 2023.

2. **Services of Consultant:**

Section 2.A Section 2, entitled "Basic Services" of Task Order No. 2 shall be amended for additional Construction Phase Services to include.

"A. Basic Services:

2. **Construction Phase Services**

- a. Consult with Owner and act as Owner's representative as provided in Dixon Proposal 13-22-66-21 and amended by an email dated April 3, 2023, including:
  1. Attend Meetings.
  2. Perform Shop Drawing reviews.
  3. Observe, monitor, and report Contractor's work activities.
  4. Perform hold point inspections prior to abrasive blasting, prior to primer and coating applications, prior to finish coat applications, at the end of project for punch list items. Provide detailed reports with surface conditions, ambient temperatures, and dry/wet film thickness per each hold point inspection.
3. Additional work as identified in Dixon Proposal 13-22-66-21 and email dated April 3, 2023.

4. **Contract Price:**

Section 4, entitled "Contract Price" of Task Order No. 2 shall be amended in its entirety so that said Section 4 shall hereafter be and read as follows:

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

**Design and Construction Phase Services – Not to Exceed     \$58,600.00**

In all other respects, Task Order No. 2 to the Contract shall remain in full force and effect, and Task Order No. 2 to the Contract shall be binding on both parties as hereinabove amended.

The Effective Date of this Task Order is April 21, 2023.

**DuPAGE WATER COMMISSION**

By: \_\_\_\_\_

Paul D. May, P.E.  
General Manager

**DESIGNATED REPRESENTATIVE FOR TASK ORDER:**

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

**Dixon Engineering, Inc.**

By: \_\_\_\_\_

Todd Schaefer  
Project Manager

**DESIGNATED REPRESENTATIVE FOR TASK ORDER:**

Name: Todd Schaefer  
Title: Project Manager  
E-mail Address: todd.schaefer@dixonengineering.net  
Phone: 630-376-8322



**Resolution #: R-18-23**

**Account: 01-60-663300, \$30,600.14**

**Approvals:** *Author / Manager / Finance / Admin*

**D.P. RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 4/13/2023

**Description:** **A Resolution to Authorize Approval of Certain Work Authorization Orders 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., Contract QR-12/21, for quick response construction work, as needed, through the issuance of Work Authorization Orders. Resolution No. R-18-23 would approve the following Work Authorization Orders under the Quick Response Contracts.

**Work Authorization Order No. 12.019:** This work authorization is to Rossi Contractors, Inc. to repair or replace the Dresser couplings on each 16" effluent pipe and mitigate corrosion and water leaking into the building structure at 6 (six) meter stations. During routine inspections staff identified a problem with the Dresser couplings which are unable to be repaired in-house. Staff solicited cost estimates for this work from all three of its QR-12/21 contractors and Mecon Industries, Inc. The results are listed in the table below:

Rossi Contractors, Inc.	\$30,600.14
Neri Construction Co., Inc.	\$49,500.00
Mecon Industries, Inc.	\$52,800.00
Benchmark Construction Co., Inc.	\$60,297.60

Staff is recommending the approval of Resolution R-18-23 approving Work Authorization Order Number 12.019 to Rossi Contractors, Inc. for the work necessary to repair or replace the six (6) Dresser coupling on 16" effluent pipes.

The estimated cost of this work is \$30,600.14.

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**Recommended Motion:**

To Authorize approval of Resolution R-18-23 and ratify Work Authorization Order Number 12.019 to Rossi Contractors Inc. for the work described at the estimated at \$30,600.14.

**DuPAGE WATER COMMISSION**

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**RESOLUTION NO. R-18-23**

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**A RESOLUTION APPROVING AND RATIFYING  
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., Benchmark Construction Co., Inc., and Rossi Contractors, Inc. for quick response construction work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract QR-12/21"); and

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

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

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

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

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

SECTION THREE: This Resolution shall 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.				
Broda, J.				
Fennell, J.				
Gans, R.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
James Zay, Chairman

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk

Board/Resolutions/2023/R-18-23.docx

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EXHIBIT 1

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**WORK AUTHORIZATION ORDER**

**SHEET 1 OF 2**

**CONTRACT QR-12/21: QUICK RESPONSE CONTRACT**

**WORK AUTHORIZATION ORDER NO.: QR-12.019**

**LOCATION:**

Meter Station 8E, 10C, 13A, 16A, 20B, 21C

**CONTRACTOR:**

Rossi Contractors, Inc.

**DESCRIPTION OF WORK:**

Repair or replace the Dresser couplings on each 16-inch effluent pipe and mitigate pipeline corrosion and minor leakage at Meter Stations 8E, 10C, 13A, 16A, 20B, 21C.

**REASON FOR WORK:**

To replace end-of-life apparatus and stop water leaking from the existing couplings into the station substructures.

**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:**

YES

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

YES

**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: \_\_\_\_\_