



# DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642  
(630)834-0100 Fax: (630)834-0120

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, APRIL 21, 2022**  
**6:00 P.M.**

**600 EAST BUTTERFIELD ROAD**  
**ELMHURST, IL 60126**

## COMMITTEE MEMBERS

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

- I. Roll Call
- II. Approval of Committee Meeting Minutes

**All previous Engineering & Construction Committee meeting minutes were approved on January 20, 2022.**

- III. Report of Status of Construction/Operations
- IV. **R-24-22:** A Resolution Awarding a Contract for the Construction of the SCADA Replacement Project (Contract PSD-9/21) **(Baxter & Woodman/Boller Construction – \$16,443,000.00)**
- V. **R-25-22:** A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with DeLasCasas CP, LLC **(Task Order No. 5 – Not-to-Exceed \$51,288.00)**
- VI. **R-26-22:** A Resolution Approving and Ratifying Task Order 3 Under a Master Contract with Northern Inspection Services, LLC **(Task Order No. 3 – Not-to-Exceed \$54,000.00)**
- VII. **R-27-22:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(Task Order No. 009 – Rossi Contractors, Inc. – Estimated Cost of \$55,000.00)**
- VIII. **R-28-22:** A Resolution Approving and Ratifying Task Orders Under a Master Contract with Carollo Engineers **(2<sup>nd</sup> Amendment to Task Order No. 01 – Not-to-Exceed \$768,350.00)**
- IX. **R-29-22:** A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with Strand Associates **(Not-to-Exceed \$896,400.00)**

All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

X. Old Business

XI. Other

XII. Adjournment



# DuPage Water Commission

## MEMORANDUM

TO: Paul May  
General Manager

FROM: Mike Weed *MW*  
Operations Supervisor

|                  |                                     |
|------------------|-------------------------------------|
| Terry McGhee     | Interim Manager of Water Operations |
| Dariusz Panaszek | Pipeline Supervisor                 |
| Chris Bostick    | Facilities Construction Supervisor  |
| Jessica Haney    | Construction / Corrosion Protection |
| Alan Stark       | Instrumentation/Remote Facilities   |
| Denis Cuvalo     | SCADA / Information Technology      |

DATE: April 13, 2022

SUBJECT: Status of Operations

### **Operations Overview**

The Commission's sales for the month of March were a total of 2.0 billion gallons. This represents an average day demand of 64.8 million gallons per day (MGD), which is higher than the March 2021 average day demand of 64.7 MGD. The maximum day demand was 69.7 MGD recorded on March 10, 2022, which is higher than the March 2021 maximum day demand of 69.6 MGD. The minimum day flow was 59.9 MGD.

The Commission's recorded total precipitation for the month of March 2022 was 3.46 inches compared to 1.26 inches for March 2021. The level of Lake Michigan for March 2022 is 579.07 (Feet IGLD 1985) compared to 580.71 (Feet IGLD 1985) for March of 2021.

### **Instrumentation / Remote Facilities Overview**

Instrumentation staff continues with routine inspections, repairs of remote facilities, and continuing work with the meter test program.

QRE-9/20 Work Authorization Order No. 006 was approved in June 2021 for Courtesy Electric, Inc. to install a bypass switch for the UPS system in the DuPage Pump Station

Emergency Generation Facility. Installation is ongoing, completion is delayed due to parts acquisition.

QRE-9/20 Work Authorization Order No. 009 was approved in November 2021 for Courtesy Electric, Inc. to replace corroded fittings and brackets in the ROV 8C structure for the split actuator project that will resume as weather permits.

**Pipeline Maintenance and Construction Overview**

Pipeline staff is performing annual valve exercising program and corrective work as needed.

Pipeline staff is inspecting and performing maintenance work on Cathodic Protection Test Stations.

Resolution R-25-22 appears on the agenda requesting approval of Task Order 5 with DeLasCasas CP, LLC for completing the annual 2022 Test Point Survey on 50%, or 99.5 miles, of the pipeline distribution system.

Resolution R-26-22 appears on the agenda requesting approval of Task Order 3 with Northern Inspection Services, LLC for completing the annual 2022 Close Interval Survey (CIS) on approximately 40 miles of the pipeline distribution system.

Resolution R-27-22 appears on the agenda requesting approval of Work Authorization Order No. 009 under the Quick Response Contract QR-12/21, to Rossi Contractors, Inc. The work includes excavating, verifying electrical continuity, installing new test leads, and restoring all disturbed areas located on the Outer Belt Transmission Main.

**Capital Improvement Program**

The DPPS Emergency Generator System Modifications (Contract PSD-10/22) is out for bids. Bid Opening is scheduled for June 1<sup>st</sup>.

Staff continues working on development of the final Scope of Work for the Building Automation System (BAS) upgrades. It is the intention of staff to utilize an existing cooperative purchasing agreement that has been vetted by DWC legal counsel.

**Information Technology**

The bid opening for the Contract for the Construction of the SCADA Replacement Project (Contract PSD-9/21) was held on March 11, 2022. Resolution R-24-22 recommends the award of the contract to Baxter & Woodman/Boller Construction in the Lump Sum amount of \$16,443,000.00. The project includes the replacement of the SCADA system at the DuPage Pump Station and 124 remote sites, upgrading the security system at the DuPage Pump Station and installing security and lighting at the Tank Sites, replacing the DuPage Pump Station UPS, replacing the public announcement system, and remodeling the control room.



Resolution R-28-22 appears on the agenda requesting approval for the Second Amendment to Task Order No. 1 with Carollo Engineers adding Project Management and Construction Phase Services for the SCADA Replacement Project.

Resolution R-29-22 appears on the agenda requesting approval of Task Order No. 5 with Strand Associates to provide Resident Engineering and Construction Phase Services for the SCADA Replacement Project.

#### **APRIL 2022 COMMISSION AGENDA ITEMS:**

- R-24-22:** A Resolution Awarding a Contract for the Construction of the SCADA Replacement Project (Contract PSD-9/21) **(Baxter & Woodman/Boller Construction – \$16,443,000.00)**
- R-25-22:** A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with DeLasCasas CP, LLC **(Task Order No. 5 – Not-to-Exceed \$51,288.00)**
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- R-29-22:** A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with Strand Associates **(Not-to-Exceed \$896,400.00)**

#### **Attachments**

1. DuPage Laboratory Bench Sheets for March 2022
2. Water Sales Analysis 01-May-2018 to 31-March 2022
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  
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS  
MARCH 2022

| 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    | 1.49                  | 0.08            | 0.59         | 1.38                  | 0.10            | 43        | 7.6 | 0.7             | 0.61         | 0               | KD           |
| 2    | 1.30                  | 0.08            | 0.59         | 1.26                  | 0.10            | 42        | 7.7 | 0.7             | 0.60         | 0               | BM           |
| 3    | 1.34                  | 0.07            | 0.59         | 1.38                  | 0.09            | 43        | 7.7 | 0.8             | 0.61         | 0               | BM           |
| 4    | 1.42                  | 0.07            | 0.59         | 1.36                  | 0.09            | 42        | 7.8 | 0.8             | 0.60         | 0               | BM           |
| 5    | 1.48                  | 0.08            | 0.60         | 1.40                  | 0.09            | 43        | 7.6 | 0.8             | 0.63         | 0               | KD           |
| 6    | 1.45                  | 0.07            | 0.61         | 1.37                  | 0.09            | 43        | 7.7 | 0.8             | 0.57         | 0               | KD           |
| 7    | 1.47                  | 0.08            | 0.59         | 1.39                  | 0.08            | 45        | 7.6 | 0.9             | 0.57         | 0               | AM           |
| 8    | 1.43                  | 0.09            | 0.57         | 1.36                  | 0.09            | 44        | 7.8 | 0.7             | 0.54         | 0               | AM           |
| 9    | 1.35                  | 0.07            | 0.56         | 1.31                  | 0.10            | 45        | 7.5 | 0.8             | 0.55         | 0               | KD           |
| 10   | 1.48                  | 0.07            | 0.60         | 1.30                  | 0.11            | 46        | 7.6 | 0.7             | 0.56         | 0               | KD           |
| 11   | 1.35                  | 0.08            | 0.60         | 1.37                  | 0.10            | 45        | 7.7 | 0.9             | 0.56         | 0               | KD           |
| 12   | 1.39                  | 0.07            | 0.59         | 1.34                  | 0.08            | 44        | 7.8 | 0.7             | 0.62         | 0               | BM           |
| 13   | 1.42                  | 0.07            | 0.64         | 1.40                  | 0.10            | 45        | 7.6 | 0.9             | 0.60         | 0               | BM           |
| 14   | 1.43                  | 0.07            | 0.65         | 1.39                  | 0.08            | 45        | 7.7 | 0.9             | 0.61         | 0               | KD           |
| 15   | 1.40                  | 0.06            | 0.61         | 1.29                  | 0.10            | 49        | 7.7 | 0.7             | 0.67         | 0               | KD           |
| 16   | 1.38                  | 0.09            | 0.61         | 1.33                  | 0.09            | 43        | 7.8 | 0.8             | 0.61         | 0               | BM           |
| 17   | 1.41                  | 0.06            | 0.53         | 1.29                  | 0.08            | 44        | 7.6 | 0.8             | 0.60         | 0               | BM           |
| 18   | 1.18                  | 0.08            | 0.55         | 1.28                  | 0.08            | 44        | 7.6 | 0.7             | 0.56         | 0               | BM           |
| 19   | 1.37                  | 0.08            | 0.58         | 1.33                  | 0.08            | 46        | 7.6 | 0.9             | 0.53         | 0               | RC           |
| 20   | 1.41                  | 0.06            | 0.58         | 1.35                  | 0.09            | 50        | 7.8 | 1.0             | 0.57         | 0               | RC           |
| 21   | 1.33                  | 0.07            | 0.53         | 1.32                  | 0.09            | 53        | 7.8 | 0.9             | 0.53         | 0               | CT           |
| 22   | 1.30                  | 0.08            | 0.56         | 1.31                  | 0.09            | 54        | 7.7 | 0.8             | 0.57         | 0               | BM           |
| 23   | 1.46                  | 0.07            | 0.55         | 1.31                  | 0.08            | 53        | 7.6 | 0.9             | 0.53         | 0               | RC           |
| 24   | 1.30                  | 0.07            | 0.56         | 1.30                  | 0.08            | 52        | 7.7 | 0.9             | 0.55         | 0               | RC           |
| 25   | 1.41                  | 0.06            | 0.53         | 1.30                  | 0.07            | 54        | 7.7 | 0.8             | 0.56         | 0               | RC           |
| 26   | 1.47                  | 0.07            | 0.63         | 1.31                  | 0.09            | 54        | 7.4 | 0.8             | 0.48         | 0               | CT           |
| 27   | 1.34                  | 0.07            | 0.60         | 1.31                  | 0.09            | 55        | 7.6 | 0.9             | 0.53         | 0               | CT           |
| 28   | 1.44                  | 0.07            | 0.59         | 1.33                  | 0.09            | 53        | 7.7 | 0.9             | 0.56         | 0               | RC           |
| 29   | 1.35                  | 0.06            | 0.55         | 1.34                  | 0.09            | 51        | 7.7 | 0.9             | 0.55         | 0               | RC           |
| 30   | 1.43                  | 0.07            | 0.63         | 1.28                  | 0.08            | 55        | 7.7 | 0.9             | 0.64         | 0               | CT           |
| 31   | 1.34                  | 0.07            | 0.56         | 1.24                  | 0.09            | 59        | 7.5 | 0.9             | 0.57         | 0               | CT           |
| AVG. | 1.39                  | 0.07            | 0.58         | 1.33                  | 0.09            | 48        | 7.7 | 0.8             | 0.58         | 0               |              |
| MAX. | 1.49                  | 0.09            | 0.65         | 1.40                  | 0.11            | 59        | 7.8 | 1.0             | 0.67         | 0               |              |
| MIN. | 1.18                  | 0.06            | 0.53         | 1.24                  | 0.07            | 42        | 7.4 | 0.7             | 0.48         | 0               |              |

   
Alan E. Stark, Coordinating Engineer Date  
Illinois ROINC # 84789479



DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Mar-22

PER DAY AVERAGE 78,237,252

| 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-18     | 2,285,706,000                | 2,361,461,303                    | 96.79%           | \$11,291,387.64       | \$9,169,554.24        | 1,218,779                           | 0.05%                             | 96.84%                | \$4.94                      | \$3.883   |
| Jun-18     | 2,298,459,000                | 2,397,747,162                    | 95.86%           | \$11,354,387.71       | \$9,454,317.06        | 2,994,035                           | 0.12%                             | 95.98%                | \$4.94                      | \$3.943   |
| Jul-18     | 2,709,111,000                | 2,805,244,664                    | 96.57%           | \$13,383,008.34       | \$11,061,079.71       | 1,050,752                           | 0.04%                             | 96.61%                | \$4.94                      | \$3.943   |
| Aug-18     | 2,583,722,000                | 2,678,990,368                    | 96.44%           | \$12,763,586.68       | \$10,563,259.02       | 914,357                             | 0.03%                             | 96.48%                | \$4.94                      | \$3.943   |
| Sep-18     | 2,263,628,000                | 2,346,754,816                    | 96.46%           | \$11,182,322.32       | \$9,253,254.24        | 7,290,382                           | 0.31%                             | 96.77%                | \$4.94                      | \$3.943   |
| Oct-18     | 2,017,047,000                | 2,093,603,023                    | 96.34%           | \$9,964,212.18        | \$8,255,076.72        | 1,036,179                           | 0.05%                             | 96.39%                | \$4.94                      | \$3.943   |
| Nov-18     | 1,855,424,000                | 1,909,236,300                    | 97.18%           | \$9,165,794.56        | \$7,528,118.73        | 6,336,710                           | 0.33%                             | 97.51%                | \$4.94                      | \$3.943   |
| Dec-18     | 1,925,817,000                | 1,998,319,584                    | 96.37%           | \$9,513,535.98        | \$7,879,374.12        | 999,888                             | 0.05%                             | 96.42%                | \$4.94                      | \$3.943   |
| Jan-19     | 1,948,234,000                | 2,017,316,439                    | 96.58%           | \$9,624,275.96        | \$7,954,278.72        | 1,344,792                           | 0.07%                             | 96.64%                | \$4.94                      | \$3.943   |
| Feb-19     | 1,831,029,000                | 1,891,234,162                    | 96.82%           | \$9,045,283.26        | \$7,457,136.30        | 392,723                             | 0.02%                             | 96.84%                | \$4.94                      | \$3.943   |
| Mar-19     | 1,933,958,000                | 1,993,121,626                    | 97.03%           | \$9,553,752.52        | \$7,858,878.57        | 467,761                             | 0.02%                             | 97.06%                | \$4.94                      | \$3.943   |
| Apr-19     | 1,881,569,000                | 1,955,726,241                    | 96.21%           | \$9,294,950.86        | \$7,711,428.57        | 5,802,627                           | 0.30%                             | 96.50%                | \$4.94                      | \$3.943   |
| 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   |
| TOTALS (1) | 854,898,449,798              | 879,620,822,346                  | 97.19%           | \$1,993,965,648.95    | \$1,768,646,416.70    | 846,109,987                         | 0.10%                             | 97.29%                | \$2.33                      | \$2.011   |

(1) - SINCE MAY 1, 1992

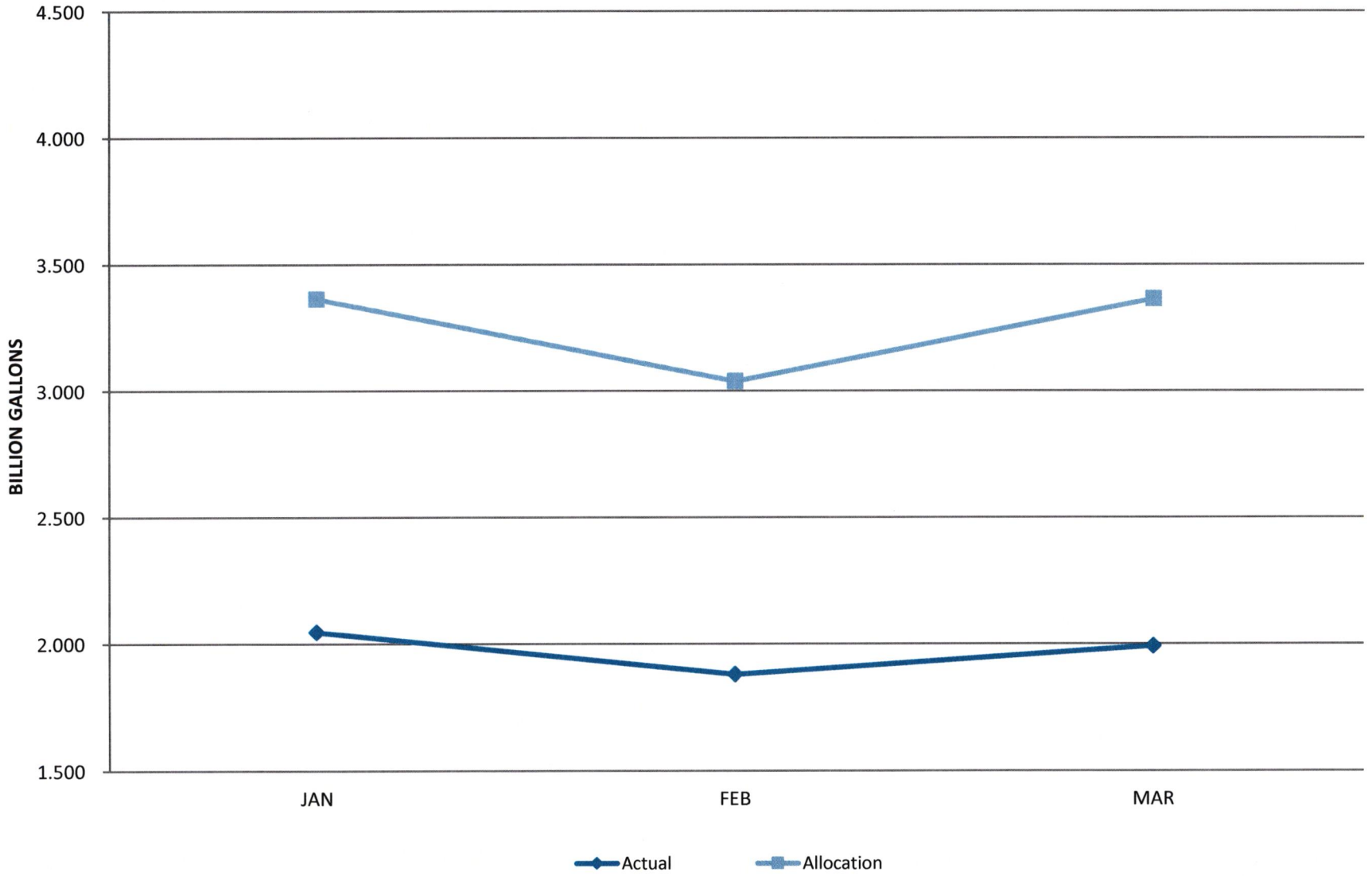
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD

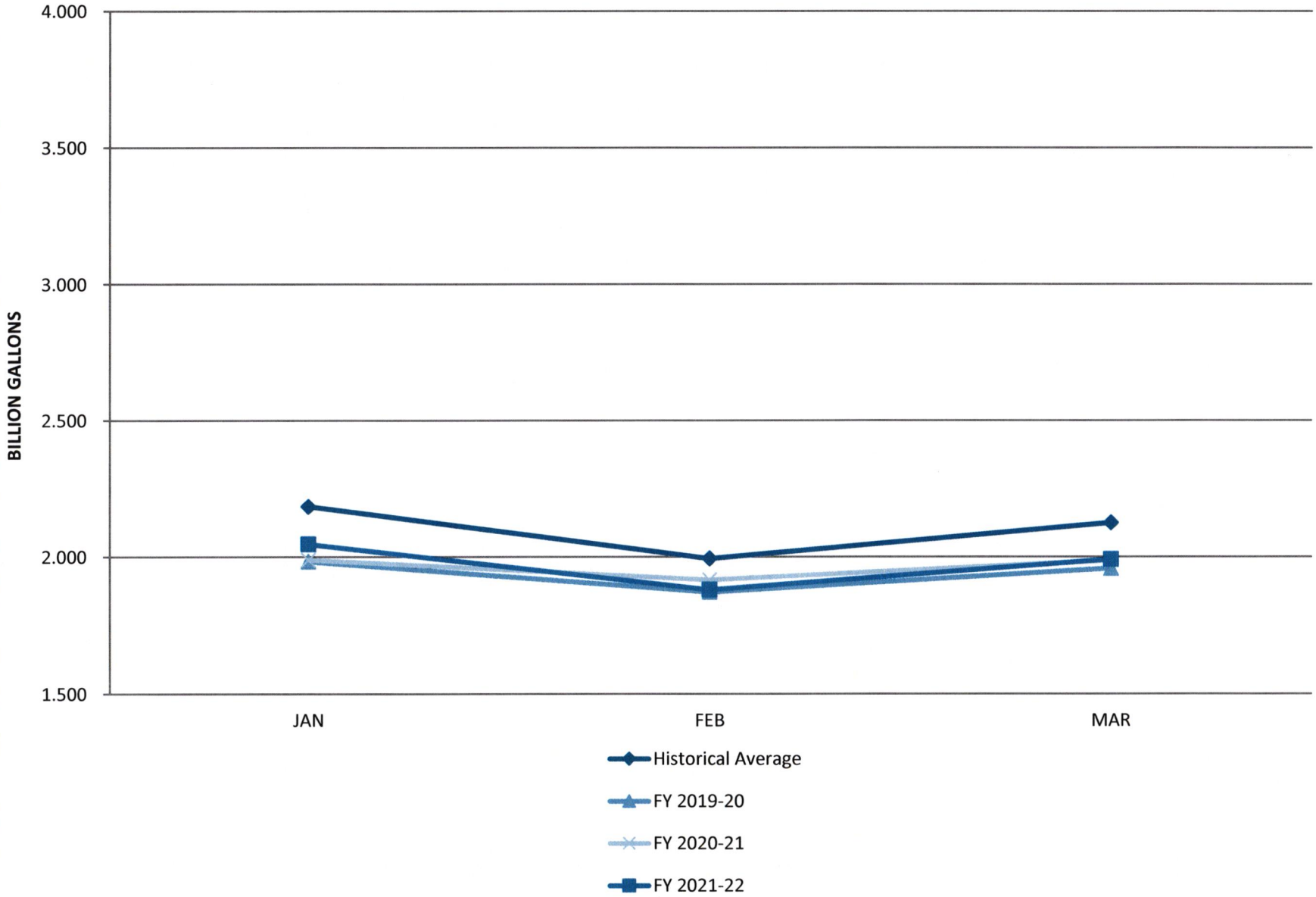
|         |                |                |        |             |             |  |  |        |         |
|---------|----------------|----------------|--------|-------------|-------------|--|--|--------|---------|
| Mar-21  | 24,784,122,000 | 25,557,963,951 | 96.97% | 123,177,086 | 103,864,271 |  |  | \$4.97 | \$4.064 |
| Mar-22  | 24,883,339,000 | 25,655,116,593 | 96.99% | 123,670,195 | 105,490,827 |  |  | \$4.97 | \$4.112 |
|         | 99,217,000     | 97,152,642     |        | \$493,108   | \$1,626,556 |  |  |        |         |
|         | 0.4%           | 0.4%           |        | 0.4%        | 1.6%        |  |  |        |         |
| Month   |                |                |        |             |             |  |  |        |         |
| Mar-21  | 1,986,888,000  | 2,055,661,022  | 96.65% | 9,874,833   | 8,370,652   |  |  | \$4.97 | \$4.072 |
| Mar-22  | 1,990,472,000  | 2,061,912,643  | 96.54% | 9,892,646   | 8,486,832   |  |  | \$4.97 | \$4.116 |
|         | 3,584,000      | 6,251,621      |        | \$17,812    | \$116,181   |  |  |        |         |
|         | 0.2%           | 0.3%           |        | 0.2%        | 1.4%        |  |  |        |         |
| Mar>Feb | 111,096,000    | 126,399,084    |        | 552,147     | 520,259     |  |  |        |         |

# DU PAGE WATER COMMISSION SALES FY 2021-22 VS. ALLOCATION





# DU PAGE WATER COMMISSION SALES FY 2021-22, 2020-21 & 2019-20 VS. HISTORICAL AVERAGE



DATE: April 14, 2022

## REQUEST FOR BOARD ACTION

|   |   |                           |                 |                                      |                 |
|---|---|---------------------------|-----------------|--------------------------------------|-----------------|
| <b>AGENDA SECTION</b> Omnibus Vote Requiring Super-Majority or Special Majority Vote  | <b>ORIGINATING DEPARTMENT</b> Engineering |                           |                 |                                      |                 |
| <b>ITEM</b> A Resolution Awarding a Contract for the Construction of the SCADA Replacement Project (Contract PSD-9/21) at the April 21, 2022, DuPage Water Commission Meeting<br><br>Resolution No. R-24-22   | <b>APPROVAL</b><br><br>PDM<br><br>JC CAP  |                           |                 |                                      |                 |
| Account No.: 01-60-771700 - \$16,443,000.00   |   |                           |                 |                                      |                 |
| <p>On December 6, 2021, the Commission solicited sealed proposals for the construction and installation of the SCADA Replacement Project for the DuPage Water Commission. As required by state statute, the Commission advertised for bids on two separate occasions in the <i>Chicago Tribune</i> and in the <i>Daily Herald</i>. In addition, the Commission went through a prequalification process to prequalify Contractors for this project. The two prequalified Contractors submitted bids for the construction of this project.</p>  |   |                           |                 |                                      |                 |
| <p>Sealed bids were received until 1:00 p.m., local time, March 11, 2022, at which time both bids were publicly opened and read aloud. The bid results are as shown below:</p>  |   |                           |                 |                                      |                 |
| <table border="1"> <tr> <td>CEC Control Company, Inc.</td> <td>\$16,421,581.00</td> </tr> <tr> <td>Baxter &amp; Woodman/Boller Construction</td> <td>\$16,443,000.00</td> </tr> </table>  |   | CEC Control Company, Inc. | \$16,421,581.00 | Baxter & Woodman/Boller Construction | \$16,443,000.00 |
| CEC Control Company, Inc.   | \$16,421,581.00                           |                           |                 |                                      |                 |
| Baxter & Woodman/Boller Construction  | \$16,443,000.00                           |                           |                 |                                      |                 |
| <p>The Commission staff has reviewed both bids for adherence with the contract and for the bid that is most favorable to the interests of the Commission. Although CEC Controls came in slightly lower than Baxter &amp; Woodman/Boller, Commission Staff and Legal Counsel recommend that the project be awarded to Baxter &amp; Woodman/Boller Construction. An internal review of the bid submissions found that CEC Control's bid had significant deficiencies adhering to the bidding contract requirements including;</p> <ul style="list-style-type: none"> <li>• failure to sign the bid bond.</li> <li>• attempts to avoid being bound to a firm proposal price in derogation of the bidding requirements for the project.</li> <li>• failure to provide financial commitments for bonds.</li> </ul> |   |                           |                 |                                      |                 |
| <p>For these reasons, it is the Commission's opinion that CEC Controls submittal is nonresponsive and the proposal of Baxter &amp; Woodman/Boller Construction was deemed the most favorable to the interests of the Commission (see the attached bid evaluation and recommendation prepared by the Commission's consulting engineers). The engineer's pre-bid opinion of the probable construction cost was \$16,500,910.03.</p>   |   |                           |                 |                                      |                 |

Resolution No. R-24-22

Resolution No. R-24-22 would award the Contract for the Construction of the SCADA Replacement Project to Baxter & Woodman/Boller Construction, for the Total Contract Price of \$16,443,000.00.

**MOTION:** To approve Resolution No. R-24-22.

## DUPAGE WATER COMMISSION

## RESOLUTION NO. R-24-22

A RESOLUTION AWARDED A CONTRACT FOR THE  
CONSTRUCTION OF THE SCADA REPLACEMENT PROJECT  
(CONTRACT PSD-9/21) AT THE APRIL 21, 2022, DUPAGE WATER COMMISSION  
MEETING

WHEREAS, bids for Contract PSD-9/21: Contract for the Construction of the SCADA Replacement Project were received on March 11, 2022; and

WHEREAS, the DuPage Water Commission has reviewed the proposals received and determined that the proposal of Baxter & Woodman/Boller Construction, was the most favorable to the interests of the Commission;

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

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

SECTION TWO: The DuPage Water Commission hereby awards Contract PSD-9/21: Contract for the Construction of the SCADA Replacement Project to Baxter & Woodman/Boller Construction, in the amount of \$16,443,000.00, conditioned upon the receipt of all contractually required documentation and such other additional information that may be requested by the General Manager of the Commission in accordance with the Bid Package that is acceptable to the DuPage Water Commission.

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



Resolution No. R-24-22

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

March 28, 2022

Denis Cuvalo  
DuPage Water Commission  
600 Butterfield Rd.  
Elmhurst, IL 60126

Subject: SCADA Replacement Project – Bid Summary

Denis:

This memo summarizes the bid information submitted by CEC Controls (Wood PLC) and the Baxter & Woodman / Boller Construction (Concentric Controls) teams. Comparison information is found in the table on subsequent pages of this document.

Bids were submitted on time by both CEC Controls and Baxter & Woodman / Boller Construction for the following amounts:

CEC Controls: **\$16,421,581**  
Baxter & Woodman / Boller Construction: **\$16,443,000**

CEC Controls was the low bidder by \$21,419 which is a 0.13% difference in bid price. Due to both contractors being pre-qualified to perform this work and due to the close nature of the bid prices, Carollo Engineers, Inc. believes that both contractors are qualified to perform the work and that the bid prices are reasonable. Carollo Engineers, Inc. recommends that the commission select the Contractor that the commission believes is in their best interest based on criteria important to the commission and indicative of a successful project based on past experience using information from the bid proposal and pre-qualification packages.

Sincerely,

CAROLLO ENGINEERS, INC.

Norman Anderson  
Principal EI&C Engineer / Associate Vice President

Date: April 14, 2022

## REQUEST FOR BOARD ACTION

|  |  |                               |                |
|--|--|-------------------------------|----------------|
| <b>AGENDA SECTION</b>  | Omnibus Vote Requiring Super-Majority or Special Majority Vote   | <b>ORIGINATING DEPARTMENT</b> | Pipeline       |
| <b>ITEM</b>  | A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with DeLasCasas CP, LLC at the April 21, 2022, DuPage Water Commission Meeting<br><br>Resolution No. R-25-22 | <b>APPROVAL</b><br><br>DH     | PDM<br><br>CAP |
| Account Nos: 01-60-663200 (An amount not-to-exceed \$51,288.00)  |  |                               |                |
| <p>The Commission entered into a Master Contract with DeLasCasas CP, LLC, for professional engineering services on August 23rd, 2021 in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-25-22 would approve Task Order 05 to the Master Contract:</p> <p><b>Task Order No. 05: Corrosion Control Program - 2022 Test Point Survey</b></p> <p>Task Order No. 05 would authorize the consultant to perform a test point survey on approximately 50%, or roughly 95.5 miles, of the pipeline distribution system. The 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. Task Order 05 also includes DelasCasas CP's assistance with reviewing a CIS survey procedures to be performed by another Consultant in 2022.</p> <p>The not-to-exceed cost for this Task Order is \$51,288.00 and includes testing and reporting services for one cycle of testing on approximately one half of the distribution system.</p> |  |                               |                |
| <b>MOTION:</b> To adopt Resolution No. R-25-22.  |  |                               |                |



## DuPAGE WATER COMMISSION

## RESOLUTION NO. R-25-22

A RESOLUTION APPROVING AND RATIFYING  
TASK ORDER 5 UNDER A MASTER CONTRACT WITH DELASCASAS CP, LLC AT  
THE APRIL 21, 2022, DuPAGE WATER COMMISSION MEETING

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



Resolution No. R-25-22

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.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

Board/Resolutions/R-25-22.doc

**EXHIBIT 1**

## TASK ORDER NO. 05

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 23rd, 2021 (the "Contract"), Owner and Consultant agree as follows:

1. **Project:**

Perform the Annual 2022 Test Point Survey and CIS Survey Oversight for the DuPage Water Commission as delineated in the proposal from DeLasCasas CP, LLC dated November 29<sup>th</sup>, 2021.

2. **Services of Consultant:**

A. Basic Services:

Perform a Test Point Survey on approximately 95.5 miles of pipeline on the listed DWC Pipelines:

- TW-2
- TE 3/94
- TIB 1/03
- TSW D-87
- FN 2/89
- FOB 2/89
- FS 3/96
- FNW 2/89
- FOB 85
- FSW 1/89
- FS 2/89
- FSW 4/89
- TW 3/17
- TNW 1/88

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 2022. Review the existing annual CP Surveys for these lines.
2. Perform field testing during May to July 2022, when all the power sources in the Chicago area will be synchronously interrupted, to obtain the following:
  - ON and OFF Pipe-to-Soil potentials at each test point
  - ON and OFF Casing-to-Soil potentials (when applicable)
  - ON and OFF potentials to verify electrical isolation (when applicable)
  - ON and OFF Pipe-to-Soil potentials, current magnitude and direction at existing bonds
  - Potentials, current direction, and magnitude at the sacrificial anode systems
  - Rectifier Outputs

All the readings shall be taken with a GPS data logger. KMZ files shall be prepared and submitted to the Owner for all for all lines except for TW-2, TE-3/94, and TIB-01/03. 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.
4. Perform two field visits to meet with CIS crews at the start of each of the CIS surveys. Perform an additional two field visits to meet with CIS crews throughout the CIS Survey as requested by the Owner.

B. Additional Services:

None

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

None



4. **Commencement Date:**

April 25<sup>th</sup> 2022

5. **Completion Date:**

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

6. **Submittal Schedule:**

None

7. **Key Project Personnel:**

Names:

Telephone:

Rogelio De Las Casas

312.835.0272

Jennifer De Las Casas

312.636.2845

8. **Contract Price:**

For providing, performing, and completing all Services, an amount equal to Consultant's Direct Labor Costs times a factor of 2.3 for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to the actual costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall not exceed \$51,288 except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

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 25<sup>th</sup>, 2022.

DUPAGE WATER COMMISSION

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

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney

Title: Coordinating 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



DATE: April 14, 2022

## REQUEST FOR BOARD ACTION

|   |  |                               |                |
|---|--|-------------------------------|----------------|
| <b>AGENDA SECTION</b>   | Omnibus Vote Requiring Super-Majority or Special Majority Vote   | <b>ORIGINATING DEPARTMENT</b> | Pipeline       |
| <b>ITEM</b>   | A Resolution Approving and Ratifying Task Order 3 Under a Master Contract with Northern Inspection Services, LLC at the April 21, 2022 DuPage Water Commission Meeting<br><br>Resolution No. R-26-22 | <b>APPROVAL</b><br>DM         | PDM<br><br>AMP |
| Account No.: 01-60-663200 (Total Not to Exceed \$54,000.00)   |  |                               |                |
| <p>The Commission entered into a master contract with Northern Inspection Services, LLC, for professional engineering services on August 23rd, 2021 in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. Resolution No. R-26-22 would approve Task Order 3 to the Master Contract:</p> <p><b>Task Order No. 03: Corrosion Control Program - 2022 Close Interval Survey</b></p> <p>Task Order No. 03 would authorize the consultant to perform a close interval survey on approximately 40 miles of the distribution system. A 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 main 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.</p> <p>The not-to-exceed cost for this Task Order is \$54,000.00 and includes testing and reporting services for 40 miles of the distribution system.</p> |  |                               |                |
| <b>MOTION:</b> To adopt Resolution No. R-26-22.   |  |                               |                |

## DuPAGE WATER COMMISSION

## RESOLUTION NO. R-26-22

A RESOLUTION APPROVING AND RATIFYING  
TASK ORDER 3 UNDER A MASTER CONTRACT WITH  
NORTHERN INSPECTION SERVICES, LLC AT  
THE APRIL 21, 2022 DuPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with Northern Inspection Services, 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 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.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

**EXHIBIT 1**

## TASK ORDER NO. 03

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

1. **Project:**

Perform the Annual 2022 Close-Interval Survey (CIS) for the DuPage Water Commission as delineated in the proposal from Northern Inspection Services, LLC dated April 1<sup>st</sup>, 2022.

2. **Services of Consultant:**

The following scope of work is to be performed on the following pipelines:

TOB-E/87 (100,749 feet)

TS-3/88 (90,822 feet)

Total Footage for CIS = 191,571 feet

A. Basic Services:

1. CIS Phase Services:

- a. Complete a pre-plan analysis of the pipeline routes. Review plan sets, test station locations, and cathodic protection devices. DWC will provide this data.
- b. Establish an interruption plan to complete the survey. Coordinate rectifier cycling with utilities in the vicinity of DWC's pipe.

1. Work with DWC to determine when interruption is possible on their CP systems.
2. Coordinate rectifier cycling with utilities in the vicinity of DWC's pipe. This CIS survey should be completed in May 2022 to June 2022 when all other utilities in the area are expected to be cycling their systems on a 3 ON 1 OFF basis. As such, DWC will cycle their systems on a 3 ON 1 OFF basis as well.
3. Prepare a testing schedule based on this review and present it to DWC for approval.

c. Perform close-interval survey at the following Owner's pipeline

1. Interrupt rectifiers or anode(s) as needed.

2. During CIS, obtain pipe-to-soil readings at five (5) foot maximum intervals.

- i. Pipelines under pavement will have off-set readings taken when grass/soil areas are within ten (10) feet of pipeline.
- ii. Pipeline segments that are not within ten (10) feet of grass/soil contact will be skipped
- iii. Road crossings will be skipped
- iv. Make comments at key above-grade features, street/road crossings, skipped locations.
- v. Obtain far-ground / near-ground readings and sub-meter GPS measurements per each reading.
- vi. Provide daily waveforms, at least one in the morning before starting the survey and one at the end of the day.
- vii. Provide calibration information of the reference cells used for the daily survey.
- viii. Where DC interference is suspected, use the proper procedure to clear up the survey data with a method that includes fixed reference electrodes and dataloggers.

d. Develop and provide a write-up, for review and approval of the Owner, that includes:

1. Documentation of the work performed
2. Survey Data
3. Weather conditions under which the surveys were conducted
4. Finding and observations
5. Observations and recommendations

B. Additional Services:

None

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

None

4. **Commencement Date:**

April 25th, 2022



5. **Completion Date:**

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

6. **Submittal Schedule:**

None

7. **Key Project Personnel:**

Ron Turner (630) 399-3212

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.

**CIS Phase Services – Not to Exceed      \$54,000.00**

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 including those used for confined space entry, reproduction, contracted personnel, 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/Clarifications:**

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 25, 2022.

DUPAGE WATER COMMISSION

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

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney

Title: Coordinating Engineer

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

E-mail Address: [haney@dpwc.org](mailto:haney@dpwc.org)

Phone: (630) 834-0100

Fax: (630) 834-0120

NORTHERN INSPECTION SERVICES, LLC

By: \_\_\_\_\_  
Veronica Huckstorf  
President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Veronica Huckstorf

Address: 95 Center Drive, Gilberts, IL 60136

E-mail Address: [accounting@nismidwest.com](mailto:accounting@nismidwest.com)

Phone: (847) 844-0602



# REQUEST FOR BOARD ACTION

|                       |   |   |          |
|-----------------------|---|---|----------|
| <b>AGENDA SECTION</b> | Engineering & Construction Committee  | <b>ORIGINATING DEPARTMENT</b>   | Pipeline |
| <b>ITEM</b>           | <p>A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-12/21 at the April 21, 2022, DuPage Water Commission Meeting</p> <p>Resolution No. R-27-22</p> | <p><b>APPROVAL</b></p> <p><i>JK</i> <span style="float: right;"><i>PDM</i></span></p> <p><i>CMO</i></p> |          |

Account Number: 01-60-663100 (estimated cost of \$55,000.00)

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. Resolution No. R-27-22 would approve the following Work Authorization Orders under the Quick Response Contracts.

**Work Authorization Order No. 009 to Rossi Contractors, Inc.**

IDOT installed a segment of PCCP pipeline for the Outerbelt Transmission Main, in anticipation of DuPage Water Commission’s existence, in 1984. The PCCP segment of pipe that was installed is between ductile iron and steel transmission mains. DWC would like to excavate the start and end of this segment of PCCP pipe to check if the pipe segment is electrically isolated. New test leads will need to be installed in these areas to maintain proper corrosion protection in the future. DWC would also like to excavate the nearest pipe joint to see if the PCCP joints are electrically continuous. The work at both locations includes breaking asphalt and/or concrete street bases, excavating around PCCP water main, and determining if the PCCP is electrically connected. Staff solicited cost estimates for this work from the three QR-12/21 contractors and the results are listed in the table below:

|                                  |          |
|----------------------------------|----------|
| Rossi Contractors, Inc.          | \$55,000 |
| John Neri Construction Co., Inc. | \$58,500 |
| Benchmark Construction Co., Inc. | \$72,000 |

Approval of Resolution R-27-22 would ratify Work Authorization Order Number 009 to Rossi Contractors, Inc. for the work necessary to excavate, verify electrical continuity, install new test leads, and restore all disturbed areas located on the Outerbelt Transmission Main. The estimated cost of this work is expected to be \$55,000.00.

**MOTION:** To adopt Resolution No. R-27-22.



DUPAGE WATER COMMISSION  
RESOLUTION NO. R-27-22

A RESOLUTION APPROVING AND RATIFYING  
CERTAIN WORK AUTHORIZATION ORDERS  
UNDER QUICK RESPONSE CONTRACT QR-12/21 AT THE  
APRIL 21, 2022, DUPAGE WATER COMMISSION MEETING

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 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 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 the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED this \_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

**EXHIBIT 1**

## WORK AUTHORIZATION ORDER

SHEET 1 OF 2

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

**WORK AUTHORIZATION ORDER NO.:** QR-12.009

**LOCATION:**

1. Naper Blvd. – 400 feet north of Abbeywood Drive
2. Naper Blvd and Plank Road

**CONTRACTOR:**

Rossi Contractors, Inc.

**DESCRIPTION OF WORK:**

1. Excavate 30" insulated flange concrete adapter connecting 30" steel water main to 30" PCCP water main at STA 96+95 located approximately 400 feet north of Abbeywood Drive on east side of Naper Blvd. Plans, profile, and connection detail of the water main at the subject location are attached. Determine if 30" PCCP water main is electrically connected or disconnected from the 30" steel water main. This might require the excavation to the bottom of the water main which is approximately 12ft deep.
2. Continue narrow trench excavation north of the 30" insulated flange concrete adapter to the nearest PCCP joint. Determine if the PCCP is bonded (electrically connected or disconnected) at that point.
3. Excavate 42" water main at STA 172+00 located at NE corner at the intersection of Naper Blvd and Plank Road. Plans and profile of the water main at the subject location are attached. Available documents indicated that 42" PCCP is connected to 42" DIP at that point. Determine if 42" PCCP water main is electrically connected or disconnected to 42" DIP.
4. Backfill the excavation with suitable materials, 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 determine if the PCCP water main is electrically connected and to install new test leads for proper corrosion protection.



**MINIMUM RESPONSE TIME:**

N/A

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

DWC will perform the cad weld and supply materials necessary to add wires to the pipe. This includes cad weld materials, wires, and test station equipment.

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

IS  IS NOT PRIORITY WORK

**SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:**

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

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

measures being employed through and up to the time when permanent control measures are applied.

**SUBMITTALS REQUESTED:**

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: \_\_\_\_\_

DATE: April 14, 2022

## REQUEST FOR BOARD ACTION

|  |   |                               |                        |
|--|---|-------------------------------|------------------------|
| <b>AGENDA SECTION</b>  | Engineering & Construction Committee  | <b>ORIGINATING DEPARTMENT</b> | Engineering            |
| <b>ITEM</b>  | A Resolution Approving a Second Amendment to Task Order No. 1 Under a Master Contract with Carollo Engineers at the April 21, 2022, DuPage Water Commission Meeting<br><br>Resolution No. R-28-22 | <b>APPROVAL</b>               | PDM<br><br>DC      CAP |
| <p>Account No.: 01-60-771700 - \$768,350.00</p> <p>On June 20, 2019, the Commission approved R-19-19, Task Order No. 1, with Carollo Engineers for professional engineering services to design the replacement of the Supervisory Control and Data Acquisition (SCADA) System and provide bidding services at a cost not-to-exceed \$883,434.00.</p> <p>On January 20, 2022, the Commission approved R-3-22, the 1<sup>st</sup> Amendment to Task Order No. 1 to include additional Design Services to the Design Phase Services of the Task Order and revising the cost at a not-to-exceed amount of \$1,013,615.00.</p> <p>This Task Order Amendment will provide Project Management and Construction Phase Services at the negotiated cost of additional services \$768,350.00 for a revised cost not-to-exceed \$1,781,965.00, and also includes a revision to align the schedule work to coincide with the timing of the construction activities.</p> <p>This Task Order Amendment is a companion action to R-24-22 the Awarding of the SCADA Replacement Project PSD-9/21.</p> |   |                               |                        |
| <b>MOTION:</b> To adopt Resolution No. R-28-22.  |   |                               |                        |

DuPAGE WATER COMMISSION

RESOLUTION NO. R-28-22

A RESOLUTION APPROVING A SECOND AMENDMENT TO  
TASK ORDER NO. 1 UNDER A MASTER CONTRACT  
WITH CAROLLO ENGINEERS AT THE APRIL 21, 2022, DuPAGE WATER  
COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with Carollo Engineers (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-19-19, the Commission approved Task Order No. 1 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, The Commission and Consultant entered into a First Amendment to Task Order No. 1, approved pursuant to Resolution No. R-3-22, adopted on January 20, 2022 to add to the scope of Design Services, and increase the not-to-exceed cost of the services; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 1 to the Master Contract to add Project Management and Construction Services to the scope 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. 1 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. 1 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. 1 attached hereto as Exhibit 1 shall be and hereby is approved.

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.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

Board/Resolutions/2022/R-28-22.doc

**EXHIBIT 1**

## **SECOND AMENDMENT TO TASK ORDER NO. 1**

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and Carollo Engineers (“Consultant”), for Professional Engineering Services dated October 9, 2013 (the “Contract”), Owner and Consultant agree to amend, effective April 22, 2022, Task Order No. 1 to the DuPage Water Commission’s Supervisory Control and Data Acquisition (SCADA) System Replacement Project, as previously amended by a First Amendment dated as of January 21, 2022, (Task Order No. 1) as follows:

### **1. Project**

Section 1, entitled “Project” of Task Order No. 1 shall be amended in its entirety so that said Section 1 shall hereafter be and read as follows:

“Engineering services in connection with the DuPage Water Commission’s Supervisory Control and Data Acquisition (SCADA) System Replacement Design, Bidding Services, Project Management and Construction Services, based upon Carollo Engineers Technical Memorandums.”

### **2. Services of Consultant**

Section 2, entitled “Services of Consultant” of Task Order No. 1 shall be amended in its entirety so that said Section 2 shall hereafter be and read as follows:

- “1) Phase I – Design Phase consists of documenting the existing system, selecting the hardware and software, and preparing the design documents to obtain a fixed price cost to furnish and install the system. This phase will be split into two parts.
  - a) Phase 1A includes documenting the system, selecting the hardware and software, preparing an Operator Interface Standard, developing a Remote Access Guide, and preparing a Design Memo that will be used to prepare the design documents.
  - b) Phase 1B includes the detailed design and preparation of the design documents based on the Design Memo.
    - i. Design the Control Room Upgrade which includes demolition of the current control room space, design a new control room, adjacent control room, and IT/Operator workspace including new lights, doors, HVAC modifications, and all new finishes throughout.



- ii. Design the Security and Lighting for the Tank Sites which includes the addition of new cameras, new site lighting, and motion sensors at each tank site.
  - iii. Design the replacement of the UPS in the Main Pump Station which includes the demolition of the existing UPS system, replacement with an N+1 redundant UPS system, modifications to existing panelboards, MCC's, breakers, disconnect switches, and surge protectors.
  
- 2) Phase II – Bidding Phase consists of obtaining fixed price bids using the documents prepared in Phase I and awarding the project to a single bidder.
  
- 3) Phase III – Project Management and Construction Service Phase, here in general, and as per detailed Carollo Engineers Proposal dated April 5, 2022:
  - a) Project Management – the Consultant shall provide the following identified services:
    - i. Includes coordination with the Commission, Resident Engineer, and Contractor for task order administration, monthly progress status updates, and quality control and assurance.
    - ii. The Consultant's project manager shall make staffing assignments, review work progress, coordinate project communication, and develop monthly progress reports to the Commission. The Consultant's project manager shall manage the budget, schedule, and invoicing.
    - iii. The Consultant will attend the Pre-construction conference onsite and via Teams to kick off the construction phase of the project and coordinate with the Contractor's project management team.
    - iv. The Consultant will review monthly Contractor payment requests with input from the Resident Engineer to confirm the installation status and accuracy of the invoice. The Consultant will authorize and process all invoices and coordinate with the Contractor and Commission for payment.
  
  - b) Preliminary Matters and Contract Documents:
    - i. The Consultant will develop and issue an initial addendum (Addendum #4) to the selected bidder. The addendum will provide additional specifications related to earthwork,

include revisions to allowed physical security equipment manufacturers and provide server rack details.

- ii. The Consultant will confirm their drawings and specifications to represent the revisions to the Bid Documents resulting by Addenda or Request for Information addressed during the bidding process and post-bid addenda. The Consultant shall provide the signed and sealed conformed construction drawings and technical specifications.
- iii. The Consultant will provide Engineering services to redesign the SCADA Control Room based on the Commission's revised layout. The task-affected drawings will be updated. The Consultant will coordinate with the Commission and Contractor to reselect control console furniture and operator workstation desks suitable for the revised layout. The redesign control room documents will be provided to the Contractor as a change order request.

c) Shop Drawing Review:

- i. The Consultant will coordinate receiving and distributing project submittals and shop drawings through the Consultant's EADOC Project Management system. The Consultant will review (126) Shop Drawings for general conformance with the Contract Documents.
- ii. The Consultant will consolidate the review comments of all reviewers within EADOC and assign a submittal disposition. Submittals in the EADOC system will be made available to the Commission, Contractor, and Resident Engineer.

d) Workshops:

- i. The Consultant will attend (50) in person, and virtually through Microsoft Teams, project workshops, and meetings as outlined in the project technical specifications. The Consultant will aid the Contractor in facilitating each workshop for communication between the Contractor and Commission and to ensure the intent of the project design is being met. Workshop scheduling will follow the Contractor's schedule and adhere to the requirements of the Contract Documents.



- e) Construction Progress Meeting and System Testing:
- i. The Consultant will attend (48) monthly 2-hour construction progress meetings virtually via Teams. Monthly meetings will be organized and run by the Contractor in accordance with the Contract Documents.
  - ii. The Consultant will attend one (1) 5-day Factory Acceptance Test at a local integrator's factory, for acceptance testing of control system panels and components before shipment to the project site. This test includes all main pump station control system equipment and approximately twenty (20) remote site control system RTUs. Subsequent factory testing of additional remote site RTUs will be witnessed by the Commission and Resident Engineer. Testing will be completed following the procedures provided by the Contractor or their Subcontractors. The Consultant will provide testing minutes, completed forms based on the Contractor's submittal, and a listing of any deficiencies to be corrected before equipment shipment.
  - iii. The Consultant will attend one (1) 10-day Performance Acceptance Test (PAT) to provide startup and testing support for the entire project including each facility and equipment control systems, security system, and control room as performed by the Contractor and their Subcontractors to certify installation and operation is in accordance with the contract documents. The Consultant shall provide professional services associated with certifying that the work is substantially complete as follows:
    - a. Review the Contractor's work and installation for completeness and conformance to the contract documents. Prepare a "punch-list" of work items incomplete or not in compliance with the contract documents for the Contractor to correct.
    - b. Review the Contractor's software and programming work to ensure control systems meet the requirements of the contract documents.
    - c. Review the Contractor's physical security implementations to ensure security systems meet the requirements of the contract documents.
    - d. Each site will not be visited to verify the installation. The installation will be verified during site testing and inspections performed by the Resident Engineer.

- iv. The Consultant shall prepare and submit to the Contractor and Commission memoranda summarizing the startup testing process and listing the functions remaining to be tested or requiring retesting after each testing period. These memoranda shall serve as a punch-list of activities remaining prior to achieving substantial or final completion.
  
- f) RFI / Change Requests / Allowances:
  - i. The Consultant will review RFIs submitted by the Contractor and provide written responses for review by the Commission and provide final responses to the Contractor. The Consultant will maintain the official RFI log for the Project in the EADOC system. For this task an effort of approximately forty (40) RFIs are included.
  - ii. The Consultant will review requests from the Contractor for changes in Contract Price or Contract Time and provide written comments for review by the Commission. If acceptable, the Consultant will prepare a written release or authorization to be signed by the Consultant and the Contractor and submitted to the Commission for final approval. For this task an effort of approximately two (2) allowance releases and ten (10) change order requests are included.
  
- g) Project Close-Out:
  - i. The Consultant and Resident Engineer will review the Contractor's final as-built drawings for completeness and compliance with Commission requirements and the actual installation. The Resident Engineer shall provide written comments based on their review of the as-built drawings to the Consultant for inclusion in the Consultant's record drawing package. The Consultant will revise their contract drawings based on the Contractor's as-built data provided electronically to the Consultant for inclusion in their submittal of Final Record Drawings.
    - a. Final drawings of record will be submitted to Owner in AutoCAD and Portable Document File (PDF) format within 60 days from the completion of the construction contract."



**3. Schedule:**

Section 5, entitled "Schedule," of Task Order No. 1 shall be amended in its entirety so that said Section 5 shall hereafter be and read as follows:

"5. **Schedule:**

The Commission expects to issue a Notice to Proceed within six weeks following receipt of proposals. The following are general timeframes for the implementation:

Phase IA Completion: Six months after receipt of Notice to Proceed.

Phase IB Completion: 12 months after Phase IA completion.

Phase II Completion: Three months after Phase I deliverables are complete.

Phase III Completion: The Consultant shall proceed with the services identified in this Amendment upon receipt of an executed copy of this Amendment and formal Notice-to-Proceed from the Commission. The projected schedule for the performance of services described herein will be coordinated with the Contractor based upon their submitted schedule."

**4. Contract Price:**

Section 8, entitled "Contract Price," of Task Order No. 1 shall be amended in its entirety so that said Section 8 shall hereafter be and read as follows:

"8. **Contract Price:**

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

|                                      |                    |
|--------------------------------------|--------------------|
| Detailed Design and Bidding Services | \$883,434          |
| Additional Scope of work items       | \$90,181           |
| Additional Final Design work         | \$40,000           |
| <i>Construction Phase Services</i>   | <u>\$768,350</u>   |
| <i>Total All Phases</i>              | <u>\$1,781,965</u> |

Notwithstanding the foregoing, the total Contract Price shall be increased by \$768,350.00 to a total not to exceed sum of \$1,781,965.00. The contact price may be adjusted by a Change Order issued pursuant to Section 2.1 of the Contract."

In all other respects, Task Order No. 1 to the Contract shall remain in full force and effect, and Task Order No. 1 to the Contract shall be binding on both parties as hereinabove amended.

DuPage Water Commission

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

Carollo Engineers

BY: \_\_\_\_\_  
Jeffery Martin  
Vice President / Principle-in-Charge

DATE: April 14, 2022

## REQUEST FOR BOARD ACTION

|   |   |                               |             |
|---|---|-------------------------------|-------------|
| <b>AGENDA SECTION</b>   | Engineering & Construction Committee  | <b>ORIGINATING DEPARTMENT</b> | Engineering |
| <b>ITEM</b>   | A Resolution Approving and Ratifying Task Order 5 Under a Master Contract with Strand Associates at the April 21, 2022, DuPage Water Commission Meeting<br><br>Resolution No. R-29-22 | <b>APPROVAL</b>               | PDM<br><br> |
| Account No.: 01-60-771700 - \$896,400.00  |   |                               |             |
| <p>Commission Staff requested Strand Associates, a Commission prequalified engineering firm, to provide a Resident Engineering and Construction Phase services proposal for the Construction Phase of the SCADA Replacement Project.</p> <p>Strand Associates assisted with the development of the Request for Proposal (RFP) for the Design, Bidding, and Construction-Related services. Furthermore, Strand was brought in to assist in reviewing and revising the 90% Design drawings and technical specifications prepared by Carollo Engineers Inc. Strand provided expertise and experience in guiding Commission Staff throughout the Design phase enabling the development of a more detailed and complete design package.</p> <p>Commission Staff is proposing the use of Strand Associates for Resident Engineering and Construction Phase Services, utilizing their local presence and knowledgeable staff to support The Commission throughout the duration of the project's Construction Phase.</p> <p>Resolution No. R-29-22 would approve Task Order 5 to the Master Contract with Strand Associates and will authorize Strand Associates to provide the Resident Engineering and Construction Phase Services for the SCADA Replacement Project at a cost of \$896,400.00.</p> <p>This Task Order is a companion action to R-24-22 the Awarding of the SCADA Replacement Project PSD-9/21.</p> |   |                               |             |
| <b>MOTION:</b> To adopt Resolution No. R-29-22.   |   |                               |             |



## DuPAGE WATER COMMISSION

## RESOLUTION NO. R-29-22

A RESOLUTION APPROVING AND RATIFYING  
TASK ORDER 5 UNDER A MASTER CONTRACT  
WITH STRAND ASSOCIATES AT THE  
APRIL 21, 2022, DuPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with Strand Associates (the "Consultant") to provide, from time to time, Resident Engineering and Construction Phase 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, Resident Engineering and Construction Phase 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 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.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

}  
}

**EXHIBIT 1**

## TASK ORDER NO. 5

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services dated July 31, 2013, Owner and Consultant agree as follows:

1. **Project:**

Provide construction contract administration services for Owner's Supervisory Control and Data Acquisition System Replacement Project. Bidding documents were prepared by Carollo Engineers (Carollo). Owner is separating construction contract administration services for the project between Carollo and Consultant. Carollo shall provide final construction documents consisting of drawings and specifications, overall construction-related project management services, contractor coordination, and record drawings. Consultant will provide construction observation services and assist Carollo with construction administration services.

2. **Services of Consultant:**

Consultant will:

- a. Attend a preconstruction meeting in person at Owner's office. Assist Carollo in developing the agenda prior to the meeting. Review and comment on the meeting minutes prepared by Carollo following the meeting.
- b. Review and comment on project schedule and schedule of values prepared by contractor. Communicate with Carollo to incorporate comments into the response to contractor. Review contractor's monthly schedules and provide comments to Carollo. Review contractor's equipment schedule and commissioning and provide comments to Carollo.
- c. Attend monthly two-hour construction progress meetings from October 2022 through October 2026. Assist Carollo in developing the agenda prior to each meeting, and review and comment on the meeting minutes prepared by Carollo following each meeting.
- d. Review up to 24 contractor applications for payment from October 2022 through October 2026. Provide schedule of value percentage complete to Carollo. Consultant's review of Payment Requests from contractor(s) will not impose responsibility to determine that title to any of the work has passed to Owner free and clear of any liens, claims, or other encumbrances. Any such service by Consultant will be provided through an amendment to this Task Order. Carollo shall process all applications for payment and coordinate pay requests with contractor.
- e. Review Division 3, Division 6, Division 8, Division 9, and Division 23 approved shop drawing submittals to become familiar with building-related equipment and material. Review Division 26, Division 28, Division 33, and

Division 40 shop drawings and provide comments to Carollo. Carollo shall consolidate comments with other reviewers and return to contractor. Carollo will coordinate the shop drawings with the contractor and manage receipt and return of all shop drawings.

- f. Attend workshops and meetings (on site, unless otherwise noted) consisting of:
  - (1) Historian documentation workshop.
  - (2) Sequencing workshop.
  - (3) Electrical and instrumentation and control presubmittal meeting via Microsoft Teams (Teams).
  - (4) Three electrical system study meetings via Teams.
  - (5) Uninterruptible power supply system preshutdown meeting.
  - (6) Fiber-optic cable sequence meeting.
  - (7) Fiber-optic installation meeting.
  - (8) Two control room modification workshops.
  - (9) Two control room video monitor workshops.
  - (10) Control room lighting workshop.
  - (11) Control room installation workshop.
  - (12) Three security system workshops.
  - (13) Three instrumentation and control configuration meetings.
  - (14) Four graphics development meetings via Teams.
  - (15) Four PLC programming meetings.
  - (16) Three report development meetings via Teams.
  - (17) Three Vantage Point Software workshops.
  - (18) Rockwell Asset Center workshop.
  - (19) Three ACP ThinManager workshops.
  - (20) Two alarm notification meetings.
  - (21) Two Claroty threat detection meetings.
  - (22) Four SCADA software workshops.
  - (23) Two cybersecurity workshops.
  - (24) Two asset management coordinating workshops.
  - (25) Up to 48 contractor's quality control meetings via Teams.
  - (26) One onsite closeout meeting.
  - (27) One onsite post construction meeting.
- g. Attend one five-day Factory Acceptance Test (FAT) for the majority of the system at the system supplier facility. Attend up to five one-day FATs for the remaining portion of system at system supplier's facility. Travel and lodging expenses will be paid by the system supplier.
- h. Attend up to ten one-day onsite system acceptance/performance tests for the systems noted below. A preliminary list of items to be completed or



corrected will be developed during these tests and provided to Carollo for distribution to the contractor.

- (1) Asset management database.
  - (2) Electronic security system.
  - (3) Control room systems.
  - (4) Heating, ventilation, and air conditioning system.
  - (5) UPS system.
  - (6) Electrical system.
  - (7) Main pump station.
  - (8) Remote sites.
- i. Visit site up to seven days a month for eight hours a day from October 2023 through October 2026 to observe construction progress and contractor's intermediate onsite testing. Prepare daily observation reports for each visit to site and submit to Carollo and Owner. In furnishing observation services, Consultant's efforts will be directed toward determining for Owner that the completed project will, in general, conform to the Contract Documents; but Consultant will not supervise, direct, or have control over the contractor's work and will not be responsible for the contractor's construction means, methods, techniques, sequences, procedures, or health and safety precautions or programs, or for the contractor's failure to perform the construction work in accordance with the Contract Documents.
- j. Attend contractor-provided training sessions consisting of:
- 1) System overview.
  - 2) Operator training—basic.
  - 3) Operator training—advanced.
  - 4) Computer information systems/computer equipment maintenance.
  - 5) Human-machine interface software.
  - 6) Reports training.
  - 7) PLC hardware.
  - 8) PLC software.
  - 9) Local operator interface hardware and software.
  - 10) Network equipment.
  - 11) Follow-up training.
  - 12) Instrument training.
- k. Review operation and maintenance (O&M) submittals and provide comments to Carollo. Carollo shall consolidate comments with other reviewers and return to the contractor. Carollo shall coordinate the O&M manual preparation with the contractor and manage receipt and return of all O&M manuals.
- l. Review project closeout documents and record documents with Carollo, including reviewing contractor record drawings. Carollo shall provide all

drafting services to incorporate the contractor's record drawing information into the final project record drawings.

- m. Provide up to five hours a month from October 2022 through October 2026 for contract administration services consisting of preparing cost proposal requests (CPR), reviewing contractor responses to CPRs, and providing input to Carollo-prepared change orders.
- n. Participate in a one-day walkthrough with Owner and Carollo to review the list of items to be completed or corrected. Visit the site up to three times for six hours each to review completion of the list.

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

None.

4. **Commencement Date:**

As soon as notice to proceed is issued.

5. **Completion Date:**

Services will be completed by December 31, 2026.

6. **Submittal Schedule:**

None.

7. **Key Project Personnel:**

Brent M. Studnicka, P.E.  
Clay McKinley—Resident Project Representative and Project Engineer  
Jason Carden, P.E.—Support Project Engineer  
David Gohdes—Support Project Engineer

8. **Contract Price:**

For providing, performing, and completing all Services, an amount equal to Consultant's Direct Labor Costs for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to the actual costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be \$896,400.00. The contract price maybe 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:**

None

11. **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 \_\_\_\_\_, 2022.

DUPAGE WATER COMMISSION

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

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Denis Cuvalo

Title: Coordinating Engineer

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

E-mail Address: cuvalo@dpwc.org

Phone: (630) 834-0100

Fax: (630) 834-0120

Consultant

By: \_\_\_\_\_  
Joseph M. Bunker  
Corporate Secretary

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Brent M. Studnicka, P.E.

Title: Project Manager

Address: 1170 S. Houbolt Road, Joliet, IL 60431

E-mail Address: brent.studnicka@strand.com

Phone: (815) 744-4200