



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, JUNE 12, 2008**  
**7:00 P.M.**

## COMMITTEE MEMBERS

G. Wilcox, Chair  
F. Saverino  
W. Maio  
W. Mueller

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

- I. Roll Call
- II. Approval of Committee Meeting Minutes of September 13, 2007

**RECOMMENDED MOTION: To approve the Minutes of the September 13, 2007 Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. Partial Pay Request
  - A. Quick Response Contract

1. Install J-Box & Fiber Cabinet (QRE3-003A) **\$5,294.56**
2. Replace Manhole Frame & Lid – Bloomingdale Rd & Dale Rd – Glendale Heights, 55<sup>th</sup> St. & Park Ave. – Downers Grove (QR7-018A) **\$13,316.31**

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of payments in the amount of \$18,310.87 as part of the accounts payable, subject to submission of all contractually required documentation.**

- V. Resolution No. R-28-08: A Resolution Awarding Quick Response Contract (Contract QR-8/08)

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-28-08: A Resolution Awarding Quick Response Contract (Contract QR-8/08).**

- VI. Resolution No. R-29-08: A Resolution Approving and Ratifying Certain Contract Change Orders at the June 12, 2008, DuPage Water Commission Meeting

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-29-08: A Resolution**

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.

**Approving and Ratifying Certain Contract Change Orders at the June 12, 2008, DuPage Water Commission Meeting.**

- VII. Resolution No. R-30-08: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the June 12, 2008, DuPage Water Commission Meeting

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-30-08: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the June 12, 2008, DuPage Water Commission Meeting.

- VIII. Resolution No. R-31-08: A Resolution Approving and Authorizing the Execution of a Consent Agreement between the DuPage Water Commission, the Village of Roselle, and RTG-Roselle Main Street Station, LLC Regarding the Main Street Station Development

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-31-08: A Resolution Approving the Execution of a Consent Agreement between the DuPage Water Commission, the Village of Roselle, and RTG-Roselle Main Street Station, LLC Regarding the Main Street Station Development.

- IX. Resolution R-32-08: A Resolution Approving and Authorizing the Execution of a Fifth Amendment to the Contract for Design of Concrete Reservoirs and Other Improvements at the DuPage Pump Station

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-32-08: A Resolution Approving the Execution of a Fifth Amendment to the Contract for Design of Concrete Reservoirs and Other Improvements at the DuPage Pump Station.

- X. Modification to Remotely Operated Valves

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of the Quick Response Electrical (QRE) Contract to Complete Remotely Operated Valve Modifications Recommended by EN Engineering.

- XI. Contract PSC-4 Award (Lexington Pumping Station Backup Generator Project)

- XII. Adjournment

**MINUTES OF A MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DUPAGE WATER COMMISSION  
HELD ON THURSDAY, SEPTEMBER 13, 2007  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 7:12 P.M.

Committee members in attendance: G. Wilcox, W. Mueller, and S. Louis Rathje *ex officio*.

Committee members absent: F. Saverino and W. Maio

Also in attendance: T. McGhee, E. Kazmierczak, R.C. Bostick, John Schori, F. Frelka, Dave Tucker, and Dan Dragan.

Commissioner Mueller moved to approve the Minutes of the August 9, 2007 Engineering Committee. Motion seconded by Commissioner Wilcox and passed unanimously as follows:

Aye: G. Wilcox and W. Mueller  
Nay: None  
Absent: W. Maio and F. Saverino

The Committee reviewed the memorandum regarding the Status of Operations dated September 7, 2007.

Commissioner Mueller moved to recommend to the Commission approval of payments in the amount of \$44,139.05 as part of the accounts payable, subject to submission of all contractually required documentation. Motion seconded by Commissioner Wilcox and passed unanimously as follows:

Quick Response Contracts

1. Exploratory Excavation – DPPS Elmhurst (QR7-011A) \$27,172.26
2. Blow Off Valve Repair – I-88 & Naperville Rd – Unincorporated Naperville \$17,020.79

Aye: G. Wilcox and W. Mueller  
Nay: None  
Absent: W. Maio and F. Saverino

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-53-07: A Resolution Approving and Authorizing the Execution of a Standard Form of Agreement between the DuPage Water Commission and Tank Industry Consultants, Inc. for Professional Services in Connection with the Evaluation of Fall Protection Systems at Five Commission Standpipes. Motion seconded by Commissioner Wilcox. Commissioner Wilcox asked why we need a resolution to hire a consultant to resolve a problem with a manufactures recall. Staff informed the Commissioner that we were also investigating alternative safety devices and procedures in addition to replacing the fall protection equipment. Commissioner Mueller asked if we would be recouping any of the cost from the manufacture for replacing the recalled system. Staff informed the Commissioner that the manufacture had covered the shipping costs to return the recalled equipment, but any future compensation was unknown at this time. The motion passed unanimously as follows:

Aye: G. Wilcox and W. Mueller  
Nay: None  
Absent: W. Maio and F. Saverino

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-54-07: A Resolution Approving and Ratifying Certain Contract Change Orders at the September 13, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Wilcox and passed unanimously as follows:

Aye: G. Wilcox and W. Mueller  
Nay: None  
Absent: W. Maio and F. Saverino

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-57-07: A Resolution Awarding a Contract for Supply of Engine Generator Units. Motion seconded by Commissioner Wilcox. Commissioner Wilcox asked why staff was recommending the highest of the three bids. Staff informed the Commissioner that the two lower bidders did not meet key elements of the specifications and the overall cost per kilowatt of the recommended bidder was equal to that of the lower bidders. Commissioner Mueller asked if the City of Chicago was in agreement with staff's recommendation and staff informed him the Commission has received a letter from the city stating that they are in agreement with the recommendation. The motion passed unanimously as follows:

Aye: G. Wilcox and W. Mueller  
Nay: None  
Absent: W. Maio and F. Saverino

Commissioner Mueller moved to adjourn the meeting at 7:25 P.M. Motion seconded by Commissioner Wilcox and unanimously approved by a Voice Vote.

All voted aye. Motion carried.



# DuPage Water Commission

## MEMORANDUM

TO: Robert Martin General Manager

FROM: Terry McGhee Manager of Water Operations  
Ed Kazmierczak Pipeline Supervisor  
Chris Bostick Facilities Construction Supervisor  
John Schori Instrumentation Supervisor  
Frank Frelka GIS Coordinator

DATE: June 6, 2008

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of May were a total of 2.487 billion gallons. This represents an average day demand of 80.2 million gallons per day (MGD), which is lower than the May 2007 average day demand of 92.5 MGD. The maximum day demand was 88.4 MGD on May 24, 2008, which is lower than the May 2007 maximum day demand of 110.7 MGD. The minimum day flow was 71.8 MGD. The Commission's recorded total precipitation for the month of May was 2.99 inches compared to 1.18 inches for May 2007. The level of Lake Michigan for May 2008 is 577.6 (Feet IGLD 1985) compared to 577.6 (Feet IGLD 1985) for May of 2007.

### Water Conservation

A Request for Proposal to help the Commission develop and implement a Water Conservation Program was sent to eight local consulting firms. On June 2, 2008, the Commission received proposals from four of the eight firms. The proposals are under review and a recommendation will be made to the Board at the July meeting.

### Computer Room Cooling System

Hill Mechanical has submitted their insurance and bonding information, and has started the equipment submittal process. Work at the facilities is scheduled to commence in July.

## Facilities Construction Overview

### Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building and Material Storage:

Design of the buildings and related structures is ongoing. The perimeter fencing is being removed from the project to be bid separately. The perimeter fencing RFP is being developed.

### Contract PSD-7 DPPS Electrical Generation

The generator facility design is ongoing, with 100% design submittal being scheduled for delivery later this month.

### Generator Supply Contract

Contractor submittals are being reviewed.

### Contract PSC-4 Lexington Pump Station Electrical Generation / Photovoltaic Cells / Variable Frequency Drives

Bid opening was held Thursday, May 22, 2008. The bids are being evaluated by Staff, the City of Chicago, and Greeley and Hansen.

### Fall Protection for the DuPage Pumping Station

The Contractor is gathering shop drawing submittals. Contract completion date is July 22, 2008.

### Winfield Additional Connection

Facility designs are approaching the final stage. The project should be out for bids in June.

### DuPage County Service Areas

No activity to report.

## GIS

### System Mapbook

The System Mapbook is a bound edition of the Commission's GIS pipeline map with indexes of facilities and streets. Previous versions have been used by staff to navigate around the system and for general reference purposes. Version 3 of the System Mapbook includes more accurate facility maps and additional indexes. Formatting of the mapbook is near completion with a GIS Intern

working full time to get this done. It's anticipated that the mapbook will go to the printer in mid-June.

GIS/Datastream Integration

The SQL Server 2005 upgrade is almost complete. The next step in the process is to upgrade to version 8.2 of the Datastream Asset Management Program. Once this is complete, the GIS/Datastream integration project will begin.

**Pipeline Construction Overview**

CONTRACT QR-7:

Work Authorization No.19 is for the removal and disposal of a damaged manhole frame and lid, replacement with a new frame and lid, and associated pavement repair located at Diehl Road West of River Road in the City of Naperville. Work will begin following ratification of R-30-08.

Work Authorization No. 20 is for the adjustment of 3 separate manhole frame and lids; ditch grading and embankment restoration located at Illinois Rt. 83 and 58<sup>th</sup> Street in the Village of Clarendon Hills. Work will begin following ratification of R-30-08.

Work Authorization No. 21 is for the excavation of 5 exploratory test holes at 3 separate 34 kV electric feeders located at the DuPage Pump Station. This work is being done prior to board approval and for the purpose of assisting the design engineer in developing final plans for the DuPage Pump Station proposed electrical generation improvements.

CONTRACT QR-8:

The bid opening was held on May 23, 2008

| Contractor          | Labor | Non Commission Material Equipment & Supplies | Owned & Rented Equipment | Priority Emergency Work | Insurance & Bonds |
|---------------------|-------|----------------------------------------------|--------------------------|-------------------------|-------------------|
| Martan Construction | 35%   | 20%                                          | 20%                      | 20%                     | \$30,000          |
| Rossi Contractors   | 40%   | 10%                                          | 10%                      | 10%                     | \$12,000          |

CONTRACT VSR-1 (VALVE STEM REPLACEMENT):

Design is approximately 70% complete.

SOUTH TRANSMISSION MAIN CORROSION MITIGATION DESIGN:

EN Engineering is continuing with conceptual design on the South Transmission Main Corrosion Mitigation project.

**JUNE 2008 COMMISSION AGENDA ITEMS:**

**R-28-08**-----A Resolution Awarding Quick Response Contract (QR-8/08)

**R-29-08**-----A Resolution Approving and Ratifying Certain Contract Change Orders at the June 12, 2008, DuPage Water Commission Meeting

**R-30-08**-----A Resolution Approving and Ratifying Work Authorization Nos. 19, 20, and 21 under Quick Response Contract QR-7/05 at the June 12, 2008, DuPage Water Commission Meeting

**R-31-08**-----A Resolution Approving and Authorizing the Execution of a Consent Agreement between the DuPage Water Commission, the Village of Roselle, and RTG-Roselle Main Street Station, LLC Regarding the Main Street Station Development

**R-32-08**-----A Resolution Approving and Authorizing the Execution of a Fifth Amendment to the Contract for Design of Concrete Reservoirs and Other Improvements at the DuPage Pump Station

1. DuPage Laboratory Bench Sheets for May, 2008
2. Water Sales Analysis 01-May-03 to 29-May-08

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 30-Apr-08

PER DAY AVERAGE 82,286,802

| MONTH      | SALES TO CUSTOMERS (GALLONS) | PURCHASES FROM CHICAGO (GALLONS) | GALLONS BILLED % | BILLINGS TO CUSTOMERS | BILLINGS FROM CHICAGO | DOCUMENTED WATER USE (2) | DOCUMENTED COMMISSION WATER USE % | TOTAL ACCOUNTED FOR % |
|------------|------------------------------|----------------------------------|------------------|-----------------------|-----------------------|--------------------------|-----------------------------------|-----------------------|
| May-05     | 2,751,156,000                | 2,826,791,957                    | 97.32%           | \$3,383,921.88        | \$3,669,175.96        | 7,991,723                | 0.28%                             | 97.61%                |
| Jun-05     | 3,775,195,000                | 3,884,927,612                    | 97.18%           | \$4,645,553.10        | \$5,042,636.04        | 6,563,800                | 0.17%                             | 97.34%                |
| Jul-05     | 4,078,909,000                | 4,145,332,157                    | 98.40%           | \$5,017,058.07        | \$5,380,641.14        | 6,773,400                | 0.16%                             | 98.56%                |
| Aug-05     | 3,498,090,000                | 3,609,900,000                    | 96.90%           | \$4,302,650.70        | \$4,685,677.02        | 8,573,152                | 0.24%                             | 97.14%                |
| Sep-05     | 3,202,484,000                | 3,289,206,394                    | 97.36%           | \$3,939,055.32        | \$4,269,389.90        | 6,689,590                | 0.20%                             | 97.57%                |
| Oct-05     | 2,545,686,000                | 2,647,388,860                    | 96.16%           | \$3,131,193.78        | \$3,436,310.74        | 6,998,672                | 0.26%                             | 96.42%                |
| Nov-05     | 2,238,636,000                | 2,261,375,216                    | 98.99%           | \$2,753,522.28        | \$2,935,265.03        | 5,496,962                | 0.24%                             | 99.24%                |
| Dec-05     | 2,362,455,000                | 2,422,577,673                    | 97.52%           | \$2,905,819.65        | \$3,144,505.82        | 5,810,930                | 0.24%                             | 97.76%                |
| Jan-06     | 2,241,162,000                | 2,303,320,263                    | 97.30%           | \$2,756,629.26        | \$3,063,415.95        | 4,323,441                | 0.19%                             | 97.49%                |
| Feb-06     | 2,033,220,000                | 2,083,799,323                    | 97.57%           | \$2,500,915.68        | \$2,771,453.10        | 3,709,927                | 0.18%                             | 97.75%                |
| Mar-06     | 2,189,124,000                | 2,245,513,008                    | 97.49%           | \$2,693,251.86        | \$2,986,532.30        | 5,523,343                | 0.25%                             | 97.73%                |
| Apr-06     | 2,288,760,000                | 2,342,619,023                    | 97.70%           | \$2,815,174.80        | \$3,115,683.30        | 3,928,470                | 0.17%                             | 97.87%                |
| May-06     | 2,610,813,000                | 2,692,357,782                    | 96.97%           | \$3,237,408.12        | \$3,580,835.85        | 5,227,307                | 0.19%                             | 97.17%                |
| Jun-06     | 2,992,447,000                | 3,070,487,707                    | 97.46%           | \$3,710,960.98        | \$4,083,748.65        | 4,407,260                | 0.14%                             | 97.60%                |
| Jul-06     | 3,271,454,000                | 3,360,915,489                    | 97.34%           | \$4,056,602.96        | \$4,470,017.60        | 4,330,000                | 0.13%                             | 97.47%                |
| Aug-06     | 3,182,143,000                | 3,278,914,023                    | 97.05%           | \$3,945,857.32        | \$4,360,955.65        | 4,157,170                | 0.13%                             | 97.18%                |
| Sep-06     | 2,472,175,000                | 2,539,240,000                    | 97.36%           | \$3,065,988.70        | \$3,377,189.20        | 4,242,692                | 0.17%                             | 97.53%                |
| Oct-06     | 2,290,903,000                | 2,358,823,308                    | 97.12%           | \$2,840,719.72        | \$3,137,235.00        | 4,540,716                | 0.19%                             | 97.31%                |
| Nov-06     | 2,180,207,000                | 2,227,311,241                    | 97.89%           | \$2,703,456.68        | \$2,962,323.95        | 28,850,568               | 1.30%                             | 99.18%                |
| Dec-06     | 2,226,395,000                | 2,288,619,699                    | 97.28%           | \$2,760,729.80        | \$3,043,864.20        | 3,979,814                | 0.17%                             | 97.46%                |
| Jan-07     | 2,220,804,000                | 2,280,218,308                    | 97.39%           | \$2,753,796.96        | \$3,032,690.35        | 3,980,439                | 0.17%                             | 97.57%                |
| Feb-07     | 2,140,510,000                | 2,201,007,331                    | 97.25%           | \$2,654,454.82        | \$2,927,339.75        | 3,710,444                | 0.17%                             | 97.42%                |
| Mar-07     | 2,210,108,000                | 2,255,212,245                    | 98.18%           | \$2,741,312.06        | \$3,925,590.24        | 3,891,151                | 0.17%                             | 98.35%                |
| Apr-07     | 2,181,740,000                | 2,251,116,429                    | 96.92%           | \$2,705,357.60        | \$2,993,984.85        | 4,352,433                | 0.19%                             | 97.11%                |
| May-07     | 2,863,644,000                | 2,951,900,000                    | 97.01%           | \$2,978,988.48        | \$3,926,001.00        | 4,012,875                | 0.14%                             | 97.15%                |
| Jun-07     | 3,292,831,000                | 3,396,024,774                    | 96.96%           | \$3,424,545.52        | \$4,516,712.95        | 4,468,064                | 0.13%                             | 97.09%                |
| Jul-07     | 3,314,840,000                | 3,412,423,571                    | 97.14%           | \$3,447,433.60        | \$4,538,523.35        | 4,456,650                | 0.13%                             | 97.27%                |
| Aug-07     | 2,883,008,000                | 2,966,379,286                    | 97.19%           | \$2,998,328.32        | \$3,945,284.45        | 4,172,900                | 0.14%                             | 97.33%                |
| Sep-07     | 2,951,692,000                | 3,051,590,188                    | 96.73%           | \$3,070,294.72        | \$4,058,614.95        | 3,977,217                | 0.13%                             | 96.86%                |
| Oct-07     | 2,512,609,400                | 2,578,045,000                    | 97.46%           | \$2,614,883.38        | \$3,428,799.85        | 9,585,389                | 0.37%                             | 97.83%                |
| Nov-07     | 2,143,753,000                | 2,205,810,263                    | 97.19%           | \$2,230,952.72        | \$2,933,727.65        | 10,390,297               | 0.47%                             | 97.66%                |
| Dec-07     | 2,228,281,000                | 2,292,016,165                    | 97.22%           | \$2,317,412.24        | \$3,048,381.50        | 2,174,944                | 0.09%                             | 97.31%                |
| Jan-08     | 2,262,968,000                | 2,324,208,591                    | 97.37%           | \$2,353,486.72        | \$3,554,877.04        | 2,134,597                | 0.09%                             | 97.46%                |
| Feb-08     | 2,145,137,000                | 2,197,527,140                    | 97.62%           | \$2,232,195.60        | \$3,361,117.76        | 2,074,217                | 0.09%                             | 97.71%                |
| Mar-08     | 2,239,073,000                | 2,295,015,835                    | 97.56%           | \$2,328,635.92        | \$3,510,226.72        | 2,041,001                | 0.09%                             | 97.65%                |
| Apr-08     | 2,177,771,000                | 2,244,319,320                    | 97.03%           | \$2,266,101.68        | \$3,432,686.40        | 8,144,629                | 0.36%                             | 97.40%                |
| May-08     | 2,474,831,000                | 2,566,584,008                    | 96.43%           | \$2,573,824.24        | \$3,925,590.24        | 4,884,294                | 0.19%                             | 96.62%                |
| TOTALS (1) | 480,801,784,400              | 494,951,585,722                  | 97.14%           | \$629,371,765.35      | \$563,001,690.05      | 502,001,885              | 0.10%                             | 97.24%                |

(1) - SINCE MAY 1, 1992

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

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR MAY 2008

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

| DAY | FREE CL <sub>2</sub> | TURBIDITY | PO <sub>4</sub> | FREE CL <sub>2</sub> | TURBIDITY | TEMP | pH  | Fluoride | PO <sub>4</sub> | P.A.C. | ANALYST |
|-----|----------------------|-----------|-----------------|----------------------|-----------|------|-----|----------|-----------------|--------|---------|
|     | mg/l                 | NTU       | mg/l            | mg/l                 | NTU       | °F   |     |          | mg/l            | LBS/MG |         |
| 1   | 0.70                 | 0.10      | 0.43            | 0.71                 | 0.09      | 51   | 7.6 | 0.9      | 0.44            | 0      | KD      |
| 2   | 0.69                 | 0.10      | 0.44            | 0.70                 | 0.08      | 51   | 7.7 | 0.9      | 0.47            | 0      | KD      |
| 3   | 0.68                 | 0.10      | 0.45            | 0.68                 | 0.09      | 52   | 7.6 | 0.9      | 0.45            | 0      | KD      |
| 4   | 0.70                 | 0.11      | 0.43            | 0.67                 | 0.09      | 52   | 7.5 | 0.9      | 0.44            | 0      | KD      |
| 5   | 0.68                 | 0.11      | 0.44            | 0.68                 | 0.09      | 52   | 7.6 | 0.9      | 0.43            | 0      | GA      |
| 6   | 0.69                 | 0.09      | 0.43            | 0.70                 | 0.08      | 52   | 7.5 | 0.9      | 0.43            | 0      | GA      |
| 7   | 0.70                 | 0.10      | 0.43            | 0.69                 | 0.08      | 52   | 7.6 | 0.9      | 0.46            | 0      | KD      |
| 8   | 0.69                 | 0.09      | 0.45            | 0.70                 | 0.10      | 52   | 7.6 | 0.9      | 0.45            | 0      | GA      |
| 9   | 0.70                 | 0.11      | 0.42            | 0.70                 | 0.10      | 52   | 7.7 | 0.9      | 0.46            | 0      | KD      |
| 10  | 0.69                 | 0.11      | 0.44            | 0.68                 | 0.09      | 52   | 7.5 | 0.9      | 0.47            | 0      | KD      |
| 11  | 0.70                 | 0.12      | 0.45            | 0.69                 | 0.09      | 52   | 7.7 | 0.9      | 0.44            | 0      | KD      |
| 12  | 0.68                 | 0.09      | 0.44            | 0.69                 | 0.08      | 53   | 7.6 | 0.9      | 0.46            | 0      | KD      |
| 13  | 0.67                 | 0.09      | 0.44            | 0.69                 | 0.09      | 54   | 7.5 | 0.9      | 0.46            | 0      | GA      |
| 14  | 0.71                 | 0.09      | 0.45            | 0.69                 | 0.10      | 53   | 7.6 | 0.9      | 0.43            | 0      | GA      |
| 15  | 0.70                 | 0.10      | 0.42            | 0.67                 | 0.10      | 53   | 7.6 | 0.9      | 0.42            | 0      | GA      |
| 16  | 0.71                 | 0.10      | 0.42            | 0.68                 | 0.10      | 54   | 7.6 | 0.9      | 0.43            | 0      | GA      |
| 17  | 0.69                 | 0.10      | 0.43            | 0.70                 | 0.09      | 54   | 7.5 | 0.9      | 0.44            | 0      | FG      |
| 18  | 0.70                 | 0.09      | 0.44            | 0.69                 | 0.09      | 54   | 7.6 | 0.9      | 0.45            | 0      | KD      |
| 19  | 0.68                 | 0.10      | 0.44            | 0.70                 | 0.09      | 54   | 7.6 | 0.9      | 0.44            | 0      | GA      |
| 20  | 0.67                 | 0.09      | 0.43            | 0.68                 | 0.09      | 55   | 7.5 | 0.9      | 0.42            | 0      | GA      |
| 21  | 0.68                 | 0.09      | 0.43            | 0.67                 | 0.08      | 55   | 7.5 | 0.9      | 0.45            | 0      | GA      |
| 22  | 0.67                 | 0.09      | 0.46            | 0.67                 | 0.08      | 55   | 7.5 | 1.0      | 0.44            | 0      | GA      |
| 23  | 0.67                 | 0.08      | 0.44            | 0.68                 | 0.09      | 54   | 7.5 | 1.0      | 0.42            | 0      | GA      |
| 24  | 0.69                 | 0.09      | 0.45            | 0.70                 | 0.09      | 56   | 7.5 | 0.9      | 0.43            | 0      | GA      |
| 25  | 0.69                 | 0.08      | 0.46            | 0.68                 | 0.09      | 56   | 7.6 | 1.0      | 0.42            | 0      | JV      |
| 26  | 0.70                 | 0.10      | 0.41            | 0.70                 | 0.09      | 56   | 7.6 | 0.9      | 0.46            | 0      | JV      |
| 27  | 0.70                 | 0.10      | 0.44            | 0.67                 | 0.08      | 57   | 7.5 | 1.0      | 0.42            | 0      | JV      |
| 28  | 0.70                 | 0.10      | 0.44            | 0.68                 | 0.08      | 57   | 7.5 | 1.0      | 0.47            | 0      | JV      |
| 29  | 0.71                 | 0.10      | 0.45            | 0.70                 | 0.09      | 56   | 7.5 | 0.9      | 0.42            | 0      | MR      |
| 30  | 0.71                 | 0.09      | 0.43            | 0.70                 | 0.09      | 57   | 7.5 | 1.0      | 0.44            | 0      | MR      |
| 31  | 0.71                 | 0.10      | 0.44            | 0.71                 | 0.09      | 57   | 7.6 | 0.9      | 0.45            | 0      | MR      |
| AVG | 0.69                 | 0.10      | 0.44            | 0.69                 | 0.09      | 54   | 7.6 | 0.9      | 0.44            | 0      |         |
| MAX | 0.71                 | 0.12      | 0.46            | 0.71                 | 0.10      | 57   | 7.7 | 1.0      | 0.47            | 0      |         |
| MIN | 0.67                 | 0.08      | 0.41            | 0.67                 | 0.08      | 51   | 7.5 | 0.9      | 0.42            | 0      |         |

  
Terrance McGhee  
Manager of Water Operations

  
Robert L. Martin  
General Manager

DU PAGE WATER COMMISSION

INSTALL J-BOX & FIBER CABINET (QRE3-003A)  
 ACCT. # 60-6560  
 RIDGEWOOD ENGINEERING, INC.  
 1411 S. ROSELLE ROAD  
 SCHAUMBURG, IL 60193

|                                                         | FRI<br>02/29/08 | FRI<br>03/28/08 | TUE<br>04/01/08 | HOURS<br>UNITS | RATE  | EXTENTION       | FEE    | AMOUNT          |
|---------------------------------------------------------|-----------------|-----------------|-----------------|----------------|-------|-----------------|--------|-----------------|
| <b>LABOR</b>                                            |                 |                 |                 |                |       |                 |        |                 |
| ELEC. - (J. ZIEMBA)                                     |                 | 8.00            | 10.00           | 18.00          | 59.37 | 1,068.66        |        |                 |
| ELEC. - (F. BARTOLI)                                    | 2.00            |                 | 2.00            | 4.00           | 59.37 | 237.48          |        |                 |
|                                                         |                 |                 |                 |                |       | <u>1,306.14</u> | 34.00% | 1,750.23        |
| <b>SUPPLIES</b>                                         |                 |                 |                 |                |       |                 |        |                 |
| COMMUNICATION ZONE - INVOICE # 16700                    | 2,473.00        |                 |                 |                |       | 2,473.00        |        |                 |
| AMPERAGE ELECTRICAL SUPPLY, INC. - INVOICE # 0256662-IN |                 | 31.64           |                 |                |       | 31.64           |        |                 |
| STEINER - INVOICE # S002501043.001                      |                 | 89.24           |                 |                |       | 89.24           |        |                 |
| STEINER - INVOICE # S002504395.001                      |                 | 31.06           |                 |                |       | 31.06           |        |                 |
| RIDGEWOOD ENGINEERING STOCK                             |                 | 21.53           |                 |                |       | 21.53           |        |                 |
|                                                         |                 |                 |                 |                |       | <u>2,646.47</u> | 15.00% | 3,043.44        |
| <b>EQUIPMENT</b>                                        |                 |                 |                 |                |       |                 |        |                 |
| FORD E-350 VAN                                          |                 | 18.00           |                 | 18.00          | 18.35 | 330.30          |        |                 |
| FORD F-350 TRUCK                                        |                 | 4.00            |                 | 4.00           | 18.35 | 73.40           |        |                 |
| HYDRAULIC BENDER                                        |                 | 8.00            |                 | 8.00           | 5.44  | 43.52           |        |                 |
|                                                         |                 |                 |                 |                |       | <u>447.22</u>   | 12.00% | 500.89          |
|                                                         |                 |                 |                 |                |       |                 |        | <u>5,294.56</u> |

CONFIRMED

BY: JWS DATE: 6/4/08  
 ACCT #: 60-6560 AMT: 5,294.56  
 ACCT #: \_\_\_\_\_ AMT: \_\_\_\_\_  
 APPROVED: RMP

DU PAGE WATER COMMISSION

REPLACE MANHOLE FRAME & LID - BLOOMINGDALE RD & DALE RD - GLENDALE HEIGHTS, 55TH ST. & PARK AVE. - DOWNERS GROVE (QR7-018A)  
 ACCT. # 60-6631  
 ROSSI CONTRACTORS  
 201 WEST LAKE STREET  
 NORTHLAKE, IL 60164

|                                               | TUE<br>04/29/08 | WED<br>04/30/08 | THU<br>05/01/08 | FRI<br>05/02/08 | HOURS<br>UNITS | RATE  | EXTENTION       | FEE    | AMOUNT           |
|-----------------------------------------------|-----------------|-----------------|-----------------|-----------------|----------------|-------|-----------------|--------|------------------|
| <b>LABOR</b>                                  |                 |                 |                 |                 |                |       |                 |        |                  |
| LABOR FOREMAN - (M. BIRARDI)                  | 8.00            | 8.00            | 8.00            | 8.00            | 32.00          | 48.27 | 1,544.64        |        |                  |
| LABOR FOREMAN - OT (M. BIRARDI)               | 0.50            | 0.50            | 0.50            | 0.50            | 2.00           | 65.35 | 130.70          |        |                  |
| LABOR TOP - (A. RODRIGUEZ)                    | 8.00            | 8.00            | 8.00            | 8.00            | 32.00          | 47.27 | 1,512.64        |        |                  |
| LABOR TOP - (P. RIVERA)                       | 8.00            |                 |                 |                 | 8.00           | 47.27 | 378.16          |        |                  |
| LABOR TOP - (I. ZEPEDA)                       |                 | 8.00            | 8.00            |                 | 16.00          | 47.27 | 756.32          |        |                  |
| LABOR TOP - (L. AGRELLA)                      |                 |                 |                 | 8.00            | 8.00           | 47.27 | 378.16          |        |                  |
| TRUCK DRIVER - (J. O'SHEA)                    |                 |                 |                 | 8.00            | 8.00           | 41.65 | 333.20          |        |                  |
|                                               |                 |                 |                 |                 |                |       | <u>5,033.82</u> | 65.00% | 8,305.80         |
| <b>MATERIAL</b>                               |                 |                 |                 |                 |                |       |                 |        |                  |
| R & R MATERIALS - INVOICE #43708              | 66.50           |                 |                 |                 |                |       | 66.50           |        |                  |
| NAFISCO, INC. - INVOICE # 86435               | 428.68          |                 |                 |                 |                |       | 428.68          |        |                  |
| DU PAGE MATERIALS COMPANY - INVOICE # 56896MB |                 | 55.75           |                 |                 |                |       | 55.75           |        |                  |
| R & R MATERIALS - INVOICE # 43709             |                 |                 | 66.50           |                 |                |       | 66.50           |        |                  |
| NAFISCO, INC. - INVOICE # 86607               |                 |                 | 465.02          |                 |                |       | 465.02          |        |                  |
| ORANGE CRUSH, LLC. - INVOICE # 325938         |                 |                 |                 | 137.28          |                |       | 137.28          |        |                  |
|                                               |                 |                 |                 |                 |                |       | 0.00            |        |                  |
|                                               |                 |                 |                 |                 |                |       | 0.00            |        |                  |
|                                               |                 |                 |                 |                 |                |       | 0.00            |        |                  |
|                                               |                 |                 |                 |                 |                |       | <u>1,219.73</u> | 5.00%  | 1,280.72         |
| <b>EQUIPMENT</b>                              |                 |                 |                 |                 |                |       |                 |        |                  |
| F-600 STEPVAN                                 | 8.00            |                 | 8.00            |                 | 16.00          | 24.44 | 391.04          |        |                  |
| F-450 DUMP TRUCK                              | 16.00           | 16.00           | 16.00           | 16.00           | 64.00          | 20.91 | 1,338.24        |        |                  |
| DOUBLE DRUM ROLLER                            |                 | 8.00            |                 | 8.00            | 16.00          | 25.06 | 400.96          |        |                  |
| HOT BOX                                       |                 | 8.00            |                 | 8.00            | 16.00          | 10.50 | 168.00          |        |                  |
| SKID LOADER                                   | 8.00            |                 | 8.00            |                 | 16.00          | 26.67 | 426.72          |        |                  |
| PAVEMENT SAW                                  | 8.00            |                 | 8.00            |                 | 16.00          | 7.08  | 113.28          |        |                  |
| CUT-OFF SAW                                   | 8.00            | 8.00            | 8.00            | 8.00            | 32.00          | 3.18  | 101.76          |        |                  |
| AIR COMPRESSOR                                | 8.00            |                 | 8.00            |                 | 16.00          | 15.33 | 245.28          |        |                  |
| GENERATOR                                     | 8.00            |                 | 8.00            |                 | 16.00          | 10.08 | 161.28          |        |                  |
| TRAILER                                       |                 | 8.00            |                 | 8.00            | 16.00          | 2.76  | 44.16           |        |                  |
|                                               |                 |                 |                 |                 |                |       | <u>3,390.72</u> | 10.00% | 3,729.79         |
|                                               |                 |                 |                 |                 |                |       |                 |        | <u>13,316.31</u> |

CONFIRMED

BY: *[Signature]* DATE: *6/4/08*

ACCT # *60-6631* AMT *13,316.31*

ACCT # \_\_\_\_\_ AMT \_\_\_\_\_

APPROVED *[Signature]*

CHANGE ORDER

DUPAGE WATER COMMISSION

SHEET  1  OF  3

PROJECT NAME: Fall Protection Controls at the

DuPage Pumping Station

CHANGE ORDER NO. 1

CONTRACTOR: Roofs, Inc.

DATE: June 13, 2008

I. A. DESCRIPTION OF CHANGES INVOLVED:

Supply and install additional guardrails on the Administration Building in lieu of fall protection screening on the skylight replacements.

B. REASON FOR CHANGE:

The intent of the specifications was the supply of integral fall protection within the structural elements of the skylight pane consisting of high strength polycarbonate materials. The manufacturer has advised that due to the size of the skylight panes, the intention of the specification can not be met without adding steel mesh over the skylight panes. As an alternative to providing the required fall protection and maintaining aesthetics, additional guard rails around the perimeter of each skylight are being recommended.

C. REVISION IN CONTRACT PRICE:

\$5,550.00

II. CHANGE ORDER CONDITIONS:

1. The Contract completion dates established in the Original Contract or as modified by previous Change Orders are hereby changed by ~~(extended)~~ ~~(reduced)~~ 0 calendar days, maintaining the final completion date as July 22, 2008.
2. Any Work to be performed under this Change Order shall be provided, performed, and completed in full compliance with, and as required by or pursuant to, the Contract/Proposal, including any Specifications and Drawings for the Work to be performed under this Change Order and for Work of the same type as the Work to be performed under this Change Order, and as specified in the preceding "Description of Changes Involved."

3. Unless otherwise provided herein, all Work included in this Change Order shall be guaranteed and warranted as set forth in, and Contractor shall not be relieved from strict compliance with, the guaranty and warranty provisions of the Contract/Proposal.
4. All Work included in this Change Order shall be covered under the insurance coverages specified in the Contract/Proposal.

III. ADJUSTMENTS IN CONTRACT PRICE:

|    |                                                                                        |    |                   |
|----|----------------------------------------------------------------------------------------|----|-------------------|
| 1. | Original Contract Price                                                                | \$ | <u>107,650.00</u> |
| 2. | Net (addition) (reduction) due to all previous Change Orders Nos. <u>0</u> to <u>0</u> | \$ | <u>0.00</u>       |
| 3. | Contract Price, not including this Change Order                                        | \$ | <u>107,650.00</u> |
| 4. | (Addition) ( <del>Reduction</del> ) to Contract Price due to this Change Order         | \$ | <u>5,550.00</u>   |
| 5. | Contract Price including this Change Order                                             | \$ | <u>113,200.00</u> |

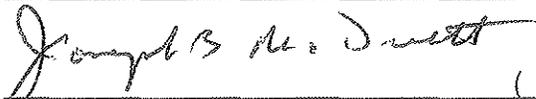
RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Consoer Townsend Envirodyne / AECOM, Inc.

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date

ACCEPTED: By my authorized signature below, being first duly sworn on oath, I certify on behalf of Contractor that this Change Order does not authorize or necessitate an increase in the price of any subcontract under the Contract/Proposal that is 50% or more of the original subcontract price. I further certify by my authorized signature below, being first duly sworn on oath, that (1) Contractor agrees that no requirement, direction, instruction, interpretation, determination, or decision of Owner or Engineer to date entitles Contractor to an equitable adjustment in the Contract Price or Delivery Period that has not been included, or fully included, in this Change Order or in any other Change Order issued to date and (2) Contractor waives all claims based on any such requirement, direction, instruction, interpretation, determination, or decision to date.

CONTRACTOR: Roofs, Inc.

By:  ( )  
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date



# DuPage Water Commission

## MEMORANDUM

TO: Engineering Committee

FROM: John W. Schori *JS*

DATE: June 12, 2008

SUBJECT: Modifications to Remotely Operated Valves

The remotely operated valves (ROV's) within the Commissions distribution system all have electrical feeds from ComEd or Naperville Electric. The motorized valve actuator is mechanically and electrically connected to the valve and pipeline. The electrical ground connection for each ROV is not only providing a safe flow of AC current back to the electric utility, but is also providing a path to drain DC current from the pipeline. The Commission's corrosion engineers, EN Engineering, have determined that the draining of the DC current from the pipeline can affect the effectiveness of cathodic protection (CP). Additionally, there is the potential for localized corrosion of the water mains due to the galvanic coupling of the water main and the utility grounding system. It is their recommendation that a polarization cell replacement (PCR) device be installed at each ROV in our system. Last year, as part of the TIB contract, per a recommendation from EN Engineering a PCR device was installed at the ROV on that segment of pipeline. Once the PCR device was installed the CP system worked and the pipe was being adequately protected.

There are 28 ROV sites in our system that can benefit from the installation of the PCR device. The process requires the utility power to be shut down and modifications made to isolate the utility meter from the ROV cabinet and mount and wire the PCR device. A budgetary cost estimate for the 28 sites is \$145,000. Staff is recommending we have one of the two quick response electrical (QRE) contractors perform the work.