



DuPage Water Commission

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

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, JANUARY 8, 2009
7:00 P.M.

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

COMMITTEE MEMBERS

W. Maio, Chair
L. Hartwig
W. Mueller
A. Poole

- I. Roll Call
- II. Approval of Committee Meeting Minutes of December 11, 2008

RECOMMENDED MOTION: To approve the Minutes of the December 11, 2008 Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. Partial Pay Request

Quick Response Contract

1. Remove and Replace Manhole Frame and Lids – RT. 83 & Butterfield Road (QR8-004A) Authorized by R-47-08 \$4,789.98

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of payments in the amount of \$4,789.98 as part of the accounts payable, subject to submission of all contractually required documentation.

- V. Resolution No. R-2-09: A Resolution Awarding a Contract for Valve Actuator Replacement (VA-1/08) at four ROV sites and four Standpipe sites at the January 8, 2009 DuPage Water Commission Meeting.

- Award to low bidder, Electrical Systems Inc. for the Total Lump Sum Contract Price of \$144,354.00

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-2-09: A Resolution Awarding a Contract for Valve Actuator Replacement (VA-1/08) at four ROV sites and four Standpipe sites at the January 8, 2009 DuPage Water Commission Meeting.

- VI. PSD-6 Fence Alternatives
- VII. PSD-7 Office Furniture Allowance

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.

VIII. Other

IX. Adjournment

Board/Agendas/Engineering/Eng0901.doc

MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DUPAGE WATER COMMISSION
HELD ON THURSDAY, DECEMBER 11, 2008
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS

The meeting was called to order at 7:06 P.M.

Committee members in attendance: W. Maio, A. Poole, L. Hartwig, and S. Louis Rathje *ex officio*.

Committee members absent: W. Mueller

Also in attendance: J. Schori, E. Kazmierczak, M. Weed, R.C. Bostick, F. Frelka, J. Nesbitt and Nick Kottmeyer (DuPage County Public Works).

Commissioner Hartwig moved to approve the Minutes of the November 13, 2008 Engineering Committee. Motion seconded by Commissioner Poole and passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

The Committee reviewed the memorandum regarding the Status of Operations dated December 5, 2008.

Commissioner Poole moved to recommend to the Commission approval of payments in the amount of \$28,027.29 as part of the accounts payable, subject to submission of all contractually required documentation. Motion seconded by Commissioner Hartwig and passed unanimously as follows:

Quick Response Contracts

1. Replace Roof Mounted Conduits at the DuPage Pumping Station (QRE3-005A) Authorized by R-52-08 \$18,403.33
2. Manhole Frame and Lid Adjustment – RT. 83 & 58th St. Clarendon Hills (QR7-020A) Authorized by R-30-08 \$9,623.96

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-65-08: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the December 11, 2008, DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-66-08: A Resolution Awarding a Contract for the Construction of Granular Material Storage and Vehicle Storage Buildings (Contract PSD-6A/08) at the December 11, 2008 DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. Commissioner Poole commented that he was pleased to see a large number of bidders responding to the RFP. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-67-08: A Resolution Approving Task Order No. 24 Under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. for the DuPage County Glen Ellyn Heights Service Area at the Decembers 11, 2008 DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-68-08: A Resolution Approving and Ratifying Certain Contract Change Orders at the December 11, 2008, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-69-08: A Resolution Approving a First Amendment to Task Order No. 1 Under the Master Contract with Jacques Whitford Company, Inc at the December 11, 2008 DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

Engineering Meeting Minutes December 11, 2008

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-70-08: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Westin Engineering, Inc. at the December 11, 2008, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. Commissioner Poole inquired as to the status of the Asset Management Program. Staff informed him that the project had an original completion date of 2011, but the project was ahead of schedule and should be completed in 2010. Staff informed the Commissioners that a project update presentation would be on the January agenda. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, and A. Poole
Nay: None
Absent: W. Mueller

Commissioner Mueller arrived at 7:15 P.M.

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-71-08: A Resolution Awarding Quick Response Electrical Contract (QRE-4/08) at the December 11, 2008 DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, A. Poole, and W. Mueller
Nay: None
Absent: None

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-72-08: A Resolution Approving Task Order No. 25 Under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. for the DuPage County Greene Road Service Area at the December 11, 2008 DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. Commissioner Hartwig asked if this service area of the County had the two days of storage as required by the DWC contract. Nick Kottmeyer responded that this system currently has the required two days of storage, but it would come into question in 2016 due to expected population growth. Mr. Kottmeyer also stated that the County is working on different measures to make sure they maintain the required storage beyond 2016. The motion passed unanimously as follows:

Aye: W. Maio, L. Hartwig, A. Poole, and W. Mueller
Nay: None
Absent: None

Engineering Meeting Minutes December 11, 2008

Commissioner Maio asked why the furniture costs for the new office building were so high. Staff informed him that the style of furniture was specified to meet the Leadership in Energy and Environmental Design requirement. Staff informed the Commissioners that they would be looking at alternatives to reduce the furniture costs and would report back at the January meeting.

Commissioner Mueller moved to adjourn the meeting at 7:28 P.M. Motion seconded by Commissioner Hartwig and unanimously approved by a Voice Vote.


All voted aye. Motion carried.


BOARD/MINUTES/ENG081211.doc



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
Mike Weed Operations Supervisor

DATE: January 2, 2009

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of December were a total of 2.260 billion gallons. This represents an average day demand of 72.9 million gallons per day (MGD), which is higher than the December 2007 average day demand of 72.0 MGD. The maximum day demand was 79.8 MGD on December 23, 2008, which is higher than the December 2007 maximum day demand of 76.0 MGD. The minimum day flow was 67.5 MGD. The Commission's recorded total precipitation for the month of December was 5.77 inches compared to 3.49 inches for December 2007. The level of Lake Michigan for December 2008 is 577.34 (Feet IGLD 1985) compared to 576.37 (Feet IGLD 1985) for December of 2007.

Water Conservation

Montgomery Watson Harza (MWH) is working on developing the draft conservation plan for 2009 which will be presented to the Board in the first quarter of 2009.

Computer Room Cooling System

Hill Mechanical has completed the installation and is in the process of completing the commissioning of the cooling units. Minor punch list items still remain and will be completed in early January.

Facilities Construction Overview

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

The Contract Closing and Pre-construction Meeting is scheduled for January 6, 2009 at 10:00, A.M. The project completion date is August 4, 2009.

Contract PSD-7 DPPS Electrical Generation

The contractor has mobilized and is performing selective demolition work. The project completion date is November 25, 2010.

Generator Supply Contract

Contractor submittals are being reviewed.

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

The contractor is excavating for the new south access driveway, installing under drains, and the soldier pile retaining wall. The project completion date is July 10, 2010.

Contract PSC-5 Lexington Photovoltaic Cells

The PV manufacturer and design team continue to work on structural support frame issues. The project completion date is July 10, 2010.

Winfield Additional Connection

Staff is working with ComEd and the Village to resolve the MS-27A access issues.

Naperville Additional Connection

Naperville is reviewing the draft intergovernmental agreement.

DuPage County Service Areas

Consoer Townsend Envirodyne is performing preliminary design services for the Glen Ellyn Heights and Green Road service areas.

Contract VA-1

The initial bid opening for Replacement of Valve Actuators was due on November 27th. The Commission received a single proposal which was rejected. The project was re-bid with a bid opening date of December 16th. Of the eight proposals received (see tabulation below), the proposal of Electrical Systems, Inc. dated December 16, 2008, was the most favorable to the interests of the Commission.

Bidder	Bid	Bidder	Bid
Electrical Systems	\$144,354	Divane Bros.	\$179,500
Sharlen Electric	\$226,385	Marc Kresmery Construction	\$331,000
Trine Construction	\$414,680	Kovilic Construction	\$222,500
Morrison Construction	\$199,562	Ridgewood Engineering	\$292,103

GIS

Staff is working on a revision to the GIS web site that will eventually replace the existing site. The trend in the GIS industry is away from ArcIMS, the Commission's current Internet mapping software, to ArcGIS Server, which is advertised as a more robust and easily customizable alternative. ArcGIS Server works differently from ArcIMS in that it allows for map caching that shows a continuous map surface when panning or zooming rather than a partially blank screen while downloading a new area of a map onto the screen. It also works with ArcGIS Explorer which is a free GIS program similar to Google Earth. ArcGIS Server has built-in tools such as address and intersection search and driving directions that don't cost extra to implement. It also allows for custom tools to be developed using a variety of programming languages. ArcGIS Server can display 3D shapes and subsurface features. This will enable staff to display a 3D model of the pipeline system with accurate elevations.

The GIS staff is also involved in the document management system project. Currently proposals are being reviewed. Also, the as-built engineering drawings which will be available for viewing and printing in the Infor EAM system and the to-be-selected document management system are being scanned into a properly scaled format.

Pipeline Construction OverviewCONTRACT QR-8

Work Authorization No. 3 for the installation of a bonding cable between two existing reverse current switches will begin following permit approval from the CTA and the CSX Railroad.

CONTRACT VSR-1 (VALVE STEM REPLACEMENT)

Design is approximately 70% complete.

Contract TS-8 (South Transmission Main Corrosion Mitigation Project)

Final plans and specifications have been reviewed. Easement acquisition is ongoing.

Contract TS-7(South Transmission Main Relocation)

70% plan submittal has been received and is under review by staff, the City of Naperville, and DuPage County Division of Transportation.

JANUARY 2009 COMMISSION AGENDA ITEMS:

R-01-09-----A Resolution Approving the Purchase of Computers.

R-02-09-----A Resolution Awarding a Contract for Valve Actuator Replacement (Contract VA-1/08).

R-03-09-----A Resolution Approving and Authorizing the Execution of a Renewal Intergovernmental Agreement for Access to the Cook County Assessor's Office Geographic Information System Data.

1. DuPage Laboratory Bench Sheets for December, 2008

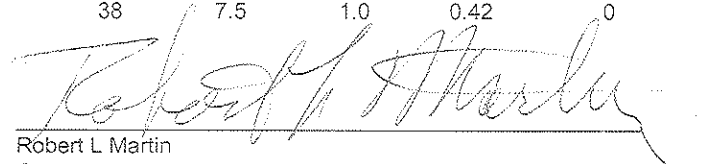
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR DECEMBER 2008

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.72	0.06	0.52	0.77	0.08	45	7.7	1.1	0.49	0	GA
2	0.70	0.06	0.52	0.72	0.07	45	7.7	1.1	0.48	0	GA
3	0.74	0.07	0.52	0.73	0.07	45	7.6	1.0	0.50	0	JU
4	0.76	0.06	0.48	0.80	0.08	44	7.6	1.0	0.42	0	RC
5	0.76	0.06	0.47	0.75	0.08	43	7.7	1.1	0.50	0	JU
6	0.75	0.06	0.51	0.76	0.09	43	7.6	1.2	0.51	0	GA
7	0.73	0.07	0.51	0.76	0.09	39	7.6	1.2	0.53	0	GA
8	0.76	0.06	0.50	0.76	0.09	39	7.5	1.1	0.53	0	GA
9	0.71	0.08	0.48	0.71	0.08	39	7.6	1.1	0.52	0	GA
10	0.74	0.09	0.49	0.75	0.08	40	7.6	1.1	0.49	0	GA
11	0.74	0.09	0.49	0.76	0.08	40	7.6	1.1	0.48	0	AM
12	0.76	0.06	0.55	0.76	0.07	40	7.6	1.2	0.49	0	RC
13	0.76	0.08	0.49	0.75	0.08	40	7.7	1.0	0.53	0	RC
14	0.78	0.07	0.48	0.77	0.08	39	7.6	1.0	0.51	0	RC
15	0.72	0.07	0.50	0.75	0.09	39	7.6	1.2	0.48	0	GA
16	0.73	0.07	0.51	0.75	0.09	39	7.6	1.2	0.48	0	GA
17	0.74	0.07	0.51	0.72	0.08	40	7.6	1.1	0.51	0	GA
18	0.75	0.07	0.48	0.78	0.08	40	7.6	1.2	0.52	0	GA
19	0.72	0.06	0.62	0.77	0.08	40	7.6	1.0	0.52	0	RC
20	0.70	0.06	0.51	0.78	0.07	40	7.6	1.1	0.49	0	RC
21	0.72	0.07	0.57	0.78	0.07	40	7.7	1.1	0.51	0	RC
22	0.73	0.07	0.51	0.76	0.07	40	7.6	1.1	0.51	0	RC
23	0.78	0.06	0.42	0.76	0.07	40	7.6	1.2	0.50	0	GA
24	0.72	0.07	0.42	0.77	0.08	39	7.6	1.1	0.49	0	GA
25	0.73	0.07	0.43	0.75	0.08	39	7.6	1.2	0.48	0	GA
26	0.70	0.07	0.42	0.77	0.08	38	7.6	1.2	0.48	0	GA
27	0.70	0.06	0.52	0.73	0.07	39	7.5	1.1	0.53	0	RC
28	0.70	0.06	0.50	0.78	0.07	38	7.6	1.1	0.52	0	RC
29	0.70	0.06	0.57	0.79	0.07	38	7.6	1.0	0.51	0	RC
30	0.72	0.06	0.51	0.80	0.07	38	7.6	1.0	0.51	0	RC
31	0.76	0.07	0.48	0.80	0.08	38	7.6	1.0	0.45	0	
AVG	0.73	0.07	0.50	0.76	0.08	40	7.6	1.1	0.50	0	
MAX	0.78	0.09	0.62	0.80	0.09	45	7.7	1.2	0.53	0	
MIN	0.70	0.06	0.42	0.71	0.07	38	7.5	1.0	0.42	0	


Terrance McGhee
Manager of Water Operations


Robert L. Martin
General Manager

DU PAGE WATER COMMISSION

REMOVE & REPLACE MANHOLE FRAME & LIDS - IL RT 83 & BUTTERFIELD RD. (QR8-004A)

ACCT. # 60-6631 AUTHORIZED BY R-47-08

MARTAM CONSTRUCTION, INC.

1200 GASKET DRIVE

ELGIN, IL 60120

	FRI 10/31/08	TUE 11/04/08	HOURS UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR							
LABOR FOREMAN - (J. ARNOLD)	1.00	8.00	9.00	51.52	463.68		
OPERATOR - (A. DOLCIMASCOLO)		8.00	8.00	60.08	480.64		
OPERATOR - OT (A. DOLCIMASCOLO)		0.50	0.50	80.81	40.41		
LABOR TOP - (J. MORALES)		8.00	8.00	50.27	402.16		
TEAMSTER - (M. CLAUSSNER)		8.00	8.00	44.03	352.24		
TEAMSTER - OT (M. CLAUSSNER)		0.50	0.50	60.26	30.13		
					<u>1,769.26</u>	35.00%	2,388.50
MATERIAL							
KIEFT BROTHERS, INC. - INVOICE # 991109		92.00			92.00		
HIGHWAY TECHNOLOGIES - INVOICE # 322785-001		350.00			350.00		
ELMHURST-CHICAGO STONE COMPANY - INVOICE # 352057		264.00			264.00		
					<u>706.00</u>	20.00%	847.20
EQUIPMENT							
TAKEUCHI TB070 HYDRAULIC EXCAVATOR		8.50	8.50	41.12	349.52		
MACK 6-WHEELER (WITH TRAILER)		8.50	8.50	76.60	651.10		
TRAILER		8.50	8.50	10.65	90.53		
2007 GMC SIERRA 1/2 TON		8.00	8.00	25.51	204.08		
					<u>1,295.23</u>	20.00%	1,554.28
							<u>4,789.98</u>

Ed
60-6631
[Signature]

12/3/08
4,789.98



DuPage Water Commission

MEMORANDUM

TO: Bob Martin

FROM: Chris Bostick *CB*

DATE: December 31, 2008

SUBJECT: Office Furnishings – Contract PSD-7/08

As requested, please accept the following as the response to questions of material costs raised by Commissioners Zay and Maio at the December 2008 board meeting.

As you are aware, the PSD-7 facility was designed and will be constructed under the U.S. Green Building Council LEED (Leadership in Energy and Environmental Design) certification process. There is a LEED factor applied to the specification of office furnishings. The LEED requirement calls for a certain amount of recycled content, demonstrated long term sustainability and manufacturing facilities within 500 miles of our facility (point of final destination). The contract specification calls out a manufacturer and model numbers that meet the LEED requirement. Substitutions of equipment and material are allowed for this specification section.

Commissioner Zay provided MSRP costs of \$82,193.00 for the equipment as specified. CDM has been in contact with a vendor and has determined the contractors cost is approximately \$39,975.00 plus overhead and profit limited to 15%.

CDM has also looked into vendor pricing regarding other manufacturer's wholesale costs, and as suspected, LEED certified furnishings can be purchased by the contractor for as little as \$18,000 for similar types and numbers of products (plus 15% overhead and profit). As always, pricing may reflect quality and longevity of the furnishings.

As the PSD-7/08 contract is a lump sum contract, we will get a schedule of values from the contractor which will include office furnishings. Once received, we will hold discussions with the contractor regarding office furnishings and potential opportunities to reduce the contract price.

Please advise if you need any additional information at this time.