



DuPage Water Commission

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NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED AUGUST 2006 ENGINEERING & CONSTRUCTION COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 7:00 P.M. ON THURSDAY, AUGUST 10, 2006, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED AUGUST 10, 2006 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA
ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, AUGUST 10, 2006
7:00P.M.

COMMITTEE MEMBERS
G. Wilcox, Chair
W. Mueller
R. Ferraro

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

- I. Roll Call
- II. Approval of Committee Meeting Minutes of June 8, 2006

RECOMMENDED MOTION: To approve the Minutes of the June 8, 2006 Committee Meeting of the DuPage Water Commission (Voice Vote).

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-25-06: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the August 10, 2006, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-25-06: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the August 10, 2006, DuPage Water Commission Meeting during the Super/Special Majority Omnibus Vote Agenda.

- V. Resolution No. R-26-06: A Resolution Approving and Authorizing the Execution of a Master Contract with Greeley and Hansen LLC for Professional Engineering Services

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-26-06: A Resolution Approving and Authorizing the Execution of a Master Contract with Greeley and Hansen LLC for Professional Engineering Services.

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.

- VI. Resolution No. R-28-06: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering, Inc. at the August 10, 2006, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-28-06: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering, Inc. at the August 10, 2006, DuPage Water Commission Meeting during the Super/Special Majority Omnibus Vote Agenda.

- VII. Adjournment

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DUPAGE WATER COMMISSION
HELD ON THURSDAY, JUNE 8, 2006
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:08 P.M.

Committee members in attendance: R. Benson, W Mueller, G. Wilcox, and S. Louis Rathje *Ex Officio*.

Committee members absent: R. Ferraro

Also in attendance: T. McGhee, E. Kazmierczak, R.C. Bostick, and J. Schori.

Commissioner Benson moved to approve the Minutes of the May 11, 2006 Engineering Committee. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: R. Benson, W. Mueller, and G. Wilcox
Nay: None
Absent: R. Ferraro

The Committee reviewed the memorandum regarding the Status of Operations dated June 2, 2006.

Commissioner Benson asked if there were any problems or outstanding issues that the Board should be informed about. Staff confirmed there were no problems that they were aware of. Commissioner Wilcox asked why there were no responses to the RFP for the Hydro-Mixing system project. Staff informed him that the consulting engineers were looking into the same question and had come up with the following reasons:

- Bad timing due to an influx of current work
- Confusion over the project estimate
- Miscommunication with one of the bidding services

The project will be re-bid in the fall and RFP's will be sent directly to contractors with accurate estimates.

Minutes 060608 Engineering Meeting

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-21-06: A Resolution Approving and Ratifying Certain Contract Change Orders at the June 8, 2006, DuPage Water Commission Meeting during the Super-Majority Omnibus Vote Agenda. Motion seconded by Commissioner Mueller. Commissioner Benson asked if this was the final change order for this contract and if the contract would be closed out after we receive the necessary contract documents and payment was made. Staff informed him that this would be the final change order and that the contract would be closed out. Commissioner Wilcox asked why there were additional costs. Staff informed him that the costs were due to changes associated with the tunnel. The motion passed unanimously as follows:

Aye: R. Benson, W. Mueller, and G. Wilcox
Nay: None
Absent: R. Ferraro

Commissioner Mueller moved to adjourn the meeting at 07:15 P.M. Motion seconded by Commissioner Benson and unanimously approved by Voice Vote.

All voted aye. Motion carried.

BOARD/MINUTES/ENG0606.doc



DuPage Water Commission

MEMORANDUM

TO: Robert Martin General Manager

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

DATE: August 4, 2006

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of July were a total of 3.274 billion gallons. This represents an average day demand of 105.6 million gallons per day (MGD), which is lower than the July 2005 average day demand of 129.7 MGD. The maximum day demand was 129.3 MGD on July 17, 2006, which is lower than the July 2005 maximum day demand of 155.4 MGD. The minimum day flow was 86.26 MGD. The Commission recorded a total precipitation for the month of July of 2.27 inches compared to 1.74 inches for July 2005. The level of Lake Michigan for July 2006 is 577.9 (Feet IGLD 1985) compared to 578.1 (Feet IGLD 1985) for July of 2005.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Division B – Cadwell Avenue Re-Alignment: A meeting was held with the City of Elmhurst to consolidate their comments into the contract documents. Elmhurst's requirements may necessitate delaying bidding until late fall or early winter in order to schedule work at the beginning of the next construction season.

Contract PSD-7 DPPS Electrical Generation

Fanning and Company will be performing the Value Engineering Workshop on the 30% complete design documents.

Lexington Pump Station Electrical Generation Feasibility Study

The final report on the Feasibility study by Greeley & Hansen and McDonough Associates was delivered on August 5th. Commission staff has negotiated an agreement with Fanning and Company to perform Value Engineering on the Feasibility Study.

Pipe Loop Pilot Plant

The second quarterly report is due in August 2006.

Tank # 4 Mixing System

The Commission did not receive any bids for this project. The Engineer is currently looking into the reasons why. The project will be re-bid at a later date.

Back-up Telemetry

The system is fully operational. Miscellaneous punch list work should be resolved and completed before the end of August.

GIS

Geodatabase Design

The geodatabase design project is approximately 100% complete. We have started to migrate some of our existing data into the new geodatabase.

Easements

We are close to completing the easement layer for this phase of the project. Upon completion the documents will be scanned into the easement books and hyper link them to the easement polygons.

Facility Photography

The GIS staff has created hot links to photos of meter stations and tank sites and they will be added to the web site. Adding hot links to the valve pictures will present a greater challenge because of the large number of valves.

SCADA Layer

We created a SCADA layer from radio path survey site data. This data needs to be validated and the blank points filled in with new GPS data.

Pipeline Construction Overview

CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Contractor is in the process of completing the installation of the corrosion protection and monitoring system.

Lost Time Accidents To Date 08/04/06 0 Days

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSEMENT

All field work under this contract has been completed. The only outstanding item remaining under is contract is receipt of the corrosion assessment report for the piping located at the DuPage Pump Station.

Lost Time Accidents To Date 08/04/06 0 Days

CONTRACT BOV-2/04 90" BLOW OFF VALVE IMPROVEMENTS

Work is in progress. To date, the contractor has repaired 25 existing valves and has completed permanent restoration at those sites. Four valves remain to be completed under this contract. Of the four remaining valves, three will be abandoned and the forth repaired. Abandonment of these valves will require shut down and isolation of the 90" main, and will take place sometime later on this year when system demand has decreased.

Lost Time Accidents To Date 08/04/06 0 Days

CONTRACT QR-7

Resolution R-25-06 appears on the agenda as a request for approval of work authorization number 3 to Contract QR-7. This work authorization is for the adjustment of a cathodic protection test station handhole located in the ramp from northbound Mannheim Road to eastbound I-290.

Lost Time Accidents To Date 08/04/06 0 Days

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheets for July, 2006
2. Water Sales Analysis 01-May-03 to 31-July-06

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR JULY 2006

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	LEXINGTON SUPPLY			DUPAGE DISCHARGE							ANALYST
	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	
1	0.73	0.09	0.42	0.77	0.08	66	7.6	1.1	0.41	0	KD
2	0.75	0.09	0.43	0.77	0.08	66	7.6	1.1	0.42	0	KD
3	0.75	0.08	0.43	0.78	0.08	68	7.6	1.1	0.42	0	TG
4	0.75	0.08	0.43	0.77	0.07	68	7.6	1.0	0.42	0	TG
5	0.75	0.08	0.43	0.78	0.08	68	7.5	1.0	0.43	0	TG
6	0.74	0.08	0.43	0.77	0.07	70	7.5	1.0	0.41	0	TG
7	0.71	0.10	0.43	0.75	0.07	70	7.5	1.1	0.41	0	KD
8	0.73	0.10	0.43	0.77	0.07	70	7.5	1.1	0.41	0	KD
9	0.73	0.10	0.42	0.78	0.08	70	7.6	1.1	0.41	0	KD
10	0.73	0.10	0.42	0.76	0.08	70	7.6	1.1	0.41	0	KD
11	0.74	0.10	0.43	0.75	0.08	70	7.6	1.1	0.41	0	TG
12	0.70	0.09	0.43	0.75	0.07	70	7.6	1.1	0.42	0	TG
13	0.72	0.08	0.43	0.75	0.08	71	7.6	1.1	0.40	0	TG
14	0.75	0.08	0.42	0.75	0.08	71	7.6	1.1	0.40	0	TG
15	0.75	0.08	0.42	0.75	0.08	71	7.6	1.1	0.42	0	KD
16	0.76	0.08	0.41	0.77	0.09	71	7.5	1.1	0.42	0	KD
17	0.75	0.09	0.42	0.77	0.09	71	7.6	1.0	0.42	0	KD
18	0.73	0.09	0.41	0.77	0.07	72	7.6	1.0	0.41	0	TG
19	0.73	0.10	0.44	0.78	0.07	72	7.5	1.0	0.40	0	TG
20	0.74	0.08	0.44	0.78	0.08	72	7.5	1.0	0.42	0	TG
21	0.71	0.10	0.42	0.77	0.09	72	7.6	1.0	0.42	0	TG
22	0.71	0.10	0.41	0.77	0.09	72	7.6	1.0	0.42	0	TG
23	0.72	0.08	0.42	0.75	0.08	74	7.6	1.0	0.42	0	JV
24	0.72	0.09	0.44	0.74	0.08	74	7.6	1.0	0.41	0	JV
25	0.73	0.09	0.42	0.73	0.07	74	7.7	1.0	0.41	0	JV
26	0.73	0.09	0.41	0.73	0.08	75	7.7	1.0	0.42	0	JV
27	0.72	0.09	0.42	0.72	0.09	75	7.6	1.1	0.41	0	MR
28	0.70	0.08	0.43	0.71	0.09	75	7.5	1.1	0.41	0	MR
29	0.72	0.09	0.42	0.76	0.09	75	7.6	1.1	0.42	0	MR
30	0.73	0.10	0.45	0.78	0.07	75	7.6	1.1	0.42	0	MR
31	0.74	0.11	0.44	0.79	0.07	75	7.6	1.1	0.41	0	JV
AVG	0.73	0.09	0.43	0.76	0.08	71	7.6	1.1	0.41	0	
MAX	0.76	0.11	0.45	0.79	0.09	75	7.7	1.1	0.43	0	
MIN	0.70	0.08	0.41	0.71	0.07	66	7.5	1.0	0.40	0	


Terrance McGhee
Operations Supervisor


Robert L. Martin
General Manager