

**DuPage Water Commission** 

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

AGENDA ENGINEERING & CONSTRUCTION COMMITTEE THURSDAY, JANUARY 14, 2010 7:00 P.M. COMMITTEE MEMBERS W. Maio, Chair L. Hartwig W. Mueller A. Poole

## 600 EAST BUTTERFIELD ROAD ELMHURST, IL 60126

I. Roll Call

II. Approval of Committee Meeting Minutes of December 10, 2009

**RECOMMENDED MOTION:** To approve the Minutes of the December 10, 2009 Committee Meeting of the DuPage Water Commission.

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

Quick Response Contracts

- Various Repairs to Manhole Frames and Lids (QR8-016A–16I) Authorized by R-37-09 \$42,099.90
- Repairs to Manhole Frame and Lid (QR8-017A) Authorized by R-45-09 \$4,665.20

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of payments in the amount of \$46,765.1 as part of the accounts payable, subject to submission of all contractually required documentation.

V. Resolution No. R-4-10: A Resolution Amending Resolution No. R-61-09, being "A Resolution Approving and Authorizing the Quit Claim of a Temporary Construction Easement to the City of Chicago for the Reconstruction of the South Laramie Avenue Viaduct" at the January 14, 2010, DuPage Water Commission Meeting.

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-4-10: A Resolution Amending Resolution No. R-61-09, being "A Resolution Approving and Authorizing the Quit Claim of a Temporary Construction Easement to the City of Chicago for the Reconstruction of the South Laramie Avenue Viaduct" at the January 14, 2010, DuPage Water Commission Meeting. Adjournment

Board/Agendas/Engineering/2010/Eng1001docx



## MINUTES OF A MEETING OF THE ENGINEERING & CONSTRUCTION COMMITTEE OF THE DUPAGE WATER COMMISSION HELD ON THURSDAY, DECEMBER 10, 2009 600 EAST BUTTERFIELD ROAD ELMHURST, ILLINOIS

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

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

Committee members absent: A. Poole

Also in attendance: R. C. Bostick, J. Schori, E. Kazmierczak, F. Frelka and M. Weed.

<u>Commissioner Hartwig moved to approve the Minutes of the November 12, 2009</u> <u>Engineering Committee</u>. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye:W. Maio, W. Mueller, and L. HartwigNay:NoneAbsent:A. Poole

The Committee reviewed the memorandum regarding the Status of Operations dated December 4, 2009. Commissioner Hartwig inquired as to the purpose of the GIS / Cathodic Protection System and why it was necessary to the operation of the Commission. Staff stated that the integrated system allowed for a graphical representation of potential problem areas in the distribution system and is being used as a planning tool to mitigate corrosion problems.

Quick Response Contracts

 Repairs to Current Switches at Des Plaines Ave. in Forest Park (QR8-003A) Authorized by R-41-08 \$90,522.08

Commissioner Mueller moved to recommend to the Commission approval of payments in the amount of \$90,522.08 as part of the accounts payable, subject to submission of all contractually required documentation. Motion seconded by Commissioner Hartwig. Commissioner Maio asked for a description of the repairs. Staff informed the Commissioner that the repairs were necessary due to the presence of stray DC electrical current identified in the vicinity of the Chicago Transit Authority's electrified railway line in the City of Forest Park. Commissioner Maio asked if the Commission was able to recoup any of the costs from the Chicago Transit Authority. Staff informed him that the presence of stray DC electrical current are common in metropolitan areas and it was up to the individual utility to protect their buried assets. The motion passed unanimously as follows:

Aye:W. Maio, W. Mueller, and L. HartwigNay:NoneAbsent:A. Poole

<u>Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-71-09: A Resolution Approving a Second Amendment to Task Order No. 10 under the Master Contract with AECOM USA, Inc. at the December 10, 2009, DuPage Water Commission Meeting.</u> Motion seconded by Commissioner Mueller. Commissioner Maio asked for an explanation of the increased costs. Staff explained that the additional costs were for construction services and the continuation of the Winfield metering station project. Staff further explained that the Village of Winfield is responsible for all costs associated with the project. Commissioner Maio asked if The Village of Winfield had approved these costs. Staff confirmed that they had approved the additional costs. The motion passed unanimously as follows:

Aye:W. Maio, W. Mueller, and L. HartwigNay:NoneAbsent:A. Poole

<u>Commissioner Hartwig moved to adjourn the meeting at 7:24 P.M.</u> Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye:W. Maio, W. Mueller, and L. HartwigNay:NoneAbsent:A. Poole

BOARD/MINUTES/ENG091210.doc



## DuPage Water Commission MEMORANDUM

TO:	Robert Martin	General Manager Z
FROM:	Terry McGhee Ed Kazmierczak Chris Bostick John Schori Frank Frelka Mike Weed	<sup>1</sup> Manager of Water Operations Pipeline Supervisor Facilities Construction Supervisor Instrumentation Supervisor GIS Coordinator Operations Supervisor

DATE: January 8, 2010

SUBJECT: Status of Operations

## **Operations Overview**

The Commission's sales for the month of December were a total of 2.129 billion gallons. This represents an average day demand of 68.7 million gallons per day (MGD), which is lower than the December 2008 average day demand of 72.9 MGD. The maximum day demand was 73.1 MGD on December 29, 2009, which is lower than the December 2008 maximum day demand of 79.8 MGD. The minimum day flow was 63.7 MGD. The Commission's recorded total precipitation for the month of December was 2.73 inches compared to 5.77 inches for December 2008. The level of Lake Michigan for December 2009 is 578.15 (Feet IGLD 1985) compared to 577.34 (Feet IGLD 1985) for December of 2008.

## Water Conservation

The Commission has received the utility rain barrels from the Conservation Foundation and has distributed 22 barrels so far. The Commission has also received 8 completed utility Pledges and 10 status updates on the Utility Pledges.

The Water Conservation web site **www.preservingeverydrop.org** is up and running. The December Water Conservation Newsletter was sent out to all Utility Water Conservation Coordinators.

The Commission participated in the DuPage Environmental Summit January 7, 2010 at Benedictine University.

The Commission will deliver a presentation to the DuPage Conservation Foundation on January 13, 2010 describing the Water Conservation and Protection program.

## Document Management

Work continues with the CLS Group to complete the document inventory that will be sent to the Secretary of State for their destruction authorization. CLS has completed the installation and implementation of the Document Management Software, WorkShare Comparison software, and provided end-user training for the above mentioned software. The Records Management software has been installed and CLS is currently beta testing the installation.

## Facilities Construction Overview

<u>Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building</u> and Material Storage

The Contractor is working on final punch list items.

## Contract PSD-7 DPPS Electrical Generation

Underground utility work is near completion. Masonry, electrical, mechanical and HVAC work is ongoing. A report has been provided by the engineer for review. The project completion date remains November 25, 2010.

## Generator Supply Contract

The delivery of generators to the Lexington Pumping Station was completed the week of December 14<sup>th</sup>.

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

Underground utility relocation work is near completion. Generator equipment has been set in place. A report has been provided by the engineer for review. The project completion date is November 21, 2010.

## Contract PSC-5 Lexington Photovoltaic Cells

The Contractor has installed 100% of the photovoltaic panels. Installation of underground cabling and safety switches is underway and is impacted by the PSC-4 housing and electrical work. A report has been provided by the engineer for review. The project completion date is July 21, 2010.

## Winfield Additional Connection - Contract MS-17/10

The Contract will be let for bids as of January 8, 2010. Bid opening is scheduled for February 17<sup>th</sup>.

## Naperville Additional Connection

AECOM is reviewing their hydraulic study based on additional information from the City of Naperville.

## DuPage County Service Areas

<u>Contract MS-18/09</u> - The Contractor is forming and pouring the concrete substructures and is preparing for the installation of the water mains. DuPage County is requesting a proposal to revise and extend the work relating to the pressure adjusting station control and monitoring communications equipment. The project completion remains March 16, 2010.

## Contract VA-1

The contractor has completed the installation of the valve actuators at the tank sites and ROV's. The new actuators are functioning properly, minor punch list items to be resolved.

## <u>GIS</u>

## DuPage Pumping Station As-built Drawings

Patrick Engineering has delivered the latest set of HVAC AutoCAD drawings and staff is beginning the review process. Once the drawings have been reviewed Patrick will incorporate the changes and then a final review will complete the project.

## Corrosion Control

GIS staff is providing support to EN Engineering on existing corrosion control programs

## Pipeline Construction Overview

## CONTRACT QR-8/08 (QUICK RESPONSE CONTRACT)

There are no active Work Authorizations at the present time.

## Contract TS-7 (South Transmission Main Relocation)

Shop drawings submittals are under review and relocation work is expected to begin in mid February.

- 1. DuPage Laboratory Bench Sheets for December, 2009
- 2. Water Sales Analysis 01-May-06 to 31-December -09
- 3. Chart showing Commission sales versus allocations
- 4. Chart showing Commission sales versus historical averages

Operations\Memorandums\Status of Operations 100108.doc

#### DUPAGE WATER COMMISSION LABORATORY BENCH SHEET MONTHLY REPORT FOR DECEMBER 2009

#### LEXINGTON SUPPLY

#### DUPAGE DISCHARGE

DAY	FREE CL <sub>2</sub>	TURBIDITY	PO₄	FREE CL <sub>2</sub>	TURBIDITY	TEMP	pН	Fluoride	PO₄	P.A.C.	ANALYST
	mg/l	NTU	mg/l	mg/l	NTU	°F			mg/l	LBS/MG	INT
1	0.72	0.09	0.51	0.71	0.09	49	7.5	1.1	0.48	0	RC
2	0.69	0.09	0.52	0.73	0.08	49	7.4	1.1	0.48	0	GA
3	0.73	0.09	0.50	0.71	0.08	48	7.4	1.2	0.48	0	GA
4	0.74	0.10	0.50	0.71	0.07	48	7.4	1.1	0.47	0	GA
5	0.70	0.10	0.50	0.68	0.08	48	7.4	1.1	0.51	0	GA
6	0.70	0.10	0.51	0.68	0.10	48	7.4	1.1	0.49	0	J۷
7	0.72	0.10	0.51	0.72	0.09	47	7.4	1.1	0.48	0	J۷
8	0.74	0.10	0.52	0.69	0.09	47	7.4	1.1	0.47	0	JV
9	0.71	0.11	0.51	0.74	0.08	47	7.4	1.1	0.48	0	JV
10	0.70	0.09	0.48	0.72	0.08	45	7.4	1.1	0.45	0	MR
11	0.71	0.08	0.48	0.72	0.08	45	7.4	1.1	0.42	0	MR
12	0.74	0.11	0.47	0.70	0.10	45	7.5	1.1	0.48	0	MR
13	0.68	0.11	0.46	0.71	0.10	46	7.5	1.1	0.47	0	MR
14	0.71	0.11	0.51	0.68	0.08	45	7.4	1.1	0.49	0	JV
15	0.74	0.11	0.50	0.71	0.09	45	7.4	1.1	0.51	0	JV
16	0.69	0.09	0.49	0.67	0.08	45	7.6	1.1	0.52	0	J٧
17	0.68	0.10	0.52	0.70	0.08	42	7.4	1.1	0.51	0	J۷
18	0.67	0.10	0.48	0.70	0.08	45	7.4	1.1	0.48	0	MR
19	0.67	0.10	0.49	0.70	0.10	43	7.4	1.1	0.49	0	MR .
20	0.67	0.09	0.48	0.71	0.09	43	7.5	1.1	0.48	0	MR
21	0.72	0.10	0.52	0.71	0.09	43	7.5	1.1	0.46	0	MR
22	0.74	0.10	0.51	0.75	0.08	42	7.4	1.1	0.45	0	J
23	0.75	0.09	0.49	0.74	0.08	42	7.4	1.2	0.49	0	JN
24	0.74	0.09	0.52	0.74	0.08	41	7.4	1.1	0.50	0	JV
25	0.75	0.10	0.50	0.74	0.09	40	7.4	1.2	0.48	0	JV
26	i 0.74	0.10	0.48	0.73	0.10	40	7.5	1.1	0.46	0	MR
27	0.76	0.08	0.48	0.76	0.10	40	7.4	1.1	0.49	0	MR
28	0.75	0.09	0.47	0.75	0.09	38	7.4	0.9	0.46	0	MR
29	0.75	0.10	0.49	0.77	0.09	38	7.4	1.2	0.48	0	MR
30	0.76	0.08	0.48	0.74	0.09	37	7.6	1.2	0.47	0	JV
31	0.76	0.08	0.52	0.74	0.10	36	7.4	1.2	0.49	0	JV
AVG	0.72	0.10	0.50	0.72	0.09	44	7.4	1.1	0.48	0	
MAX	0.76	0.11	0.52	0.77	0.10	49	7.6	1.2	0.52	0	
MIN	0.67	0.08	0.46	0.67	0.07	36	7.4	0.9	0.42	0	

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Terrance McGhee Manager of Water Operations

noetin Robert L Martin

General Manager

DU PAGE WATER COMMISSION			
WATER SALES ANALYSIS	01-May-92	TO	
	PER DAY AV	ERAGE	

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 RATE
 Max-06	2 610 813 000	2 602 357 782	96 97%	\$3 237 408 12	\$3 580 835 85	5 227 307	0.19%	97 17%	\$1.24
lun-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%	\$1.24
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%	\$1.24
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%	\$1.24
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%	\$1.24
Oct-06	2,200,003,000	2,358,823,308	97 1 2%	\$2 840 719 72	\$3,137,235,00	4 540 716	0.19%	97 31%	\$1.24
Nov 06	2 180 207 000	2,000,020,000	07.80%	\$2,010,110.12	\$2,962,323,95	28 850 568	1 30%	99 18%	\$1.24
Dec-06	2,100,207,000	2,227,011,247	07 28%	\$2,760,729,80	\$3 043 864 20	3 979 814	0.17%	97.46%	\$1.24
Jap-07	2,220,333,000	2,200,013,033	07 30%	\$2,753,796,96	\$3,032,690,35	3 980 439	0.17%	97 57%	\$1.24
San-07	2,220,004,000	2,200,210,300	97.35%	\$2,755,750.30	\$2 927 339 75	3 710 444	0.17%	97.42%	\$1.24
Mar-07	2,140,010,000	2,201,007,001	96.68%	\$2,004,404.02	\$3,040,272,25	3 891 151	0.17%	98.35%	\$1.24
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%	\$1.24
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%	\$1.04
iun-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%	\$1.04
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%	\$1.04
Aug-07	2 883 008 000	2 966 379 286	07 19%	\$2 998 328 32	\$3 945 284 45	4 172 900	0.14%	97.33%	\$1.04
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%	\$1.04
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%	\$1.04
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%	\$1.04
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%	\$1.04
lan-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%	\$1.04
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%	\$1.04
Mar-08	2,140,107,000	2 295 015 835	97 56%	\$2,328,635,92	\$3,510,226,72	2 041 001	0.09%	97.65%	\$1.04
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%	\$1.04
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%	\$1.04
Jun-08	2,604,318,000	2,677,371,376	97.27%	\$2,709,084.64	\$4,095,039.52	1,964,000	0.07%	97.34%	\$1.04
Jul-08	3,152,495,000	3,254,898,777	96.85%	\$3,278,594.80	\$4,978,367.68	2,131,900	0.07%	96.92%	\$1.04
Aug-08	3,184,859,000	3,279,095,181	97.13%	\$3,312,253.36	\$5,015,376.08	2,353,100	0.07%	97.92%	\$1.04
Sep-08	2,552,623,000	2,619,576,751	97.44%	\$2,655,066.48	\$4,006,642.64	2,109,972	0.08%	97.52%	\$1.04
Oct-08	2,302,750,000	2,362,503,982	97.47%	\$2,855,410.00	\$3,613,449.84	7,923,498	0.34%	97.81%	\$1.24
Nov-08	2,096,015,000	2,165,230,363	96.80%	\$2,599,238.12	\$3,311,719.84	2,220,353	0.10%	96.91%	\$1.24
Dec-08	2,256,850,000	2,320,311,736	97.26%	\$2,798,494.00	\$3,548,916.80	2,283,006	0.10%	97.36%	\$1.24
Jan-09	2,293,548,000	2,349,026,333	97.64%	\$2,843,999.52	\$4,131,937.32	2,163,839	0.09%	97.73%	\$1.24
Feb-09	2,048,827,000	2,102,586,263	97,44%	\$2,540,545.48	\$3,696,346.65	1,967,373	0.09%	97.54%	\$1.24
Mar-09	2,141,079,000	2,198,279,067	97.40%	\$2,655,454.08	\$3,864,574.60	5,652,898	0.26%	97.66%	\$1.24
Apr-09	2,090,046,000	2,146,681,399	97.36%	\$2,591,657.04	\$3,773,865.90	2,265,801	0.11%	97.47%	\$1.24
May-09	2,446,586,000	2,522,765,415	96.98%	\$3,620,947.28	\$4,435,021.60	2,189,800	0.09%	97.07%	\$1.48
Jun-09	2,517,674,000	2,587,363,481	97.31%	\$3,726,157.52	\$4,548,585.00	2,202,450	0.09%	97.39%	\$1.48
JUI-09	2,888,499,000	2,971,742,918	97.20%	34,2/4,9/8.52 \$4,229,450,94	\$5,224,324.05 \$5,203,045,05	2,030,397	0.07%	97.27%	\$1.48
Aug-09	2,931,183,000	3,010,833,874	87.33%	\$4,338,100.84 \$3 860 536 00	40,293,040.95 \$4,730,464,45	1,004,034	0.25%	97.01%	<b>ቅ</b> 1.48
Oct-09	2 155 177 000	2,091,907,094	97.12%	43,008,008,000.80 \$3,180,661,06	94,702,401.40 \$3,876.001.05	1,884,840	0.07%	97.2U% 07.850/	-01.48 €4.40
Nov-09	2,100,177,000	2,204,779,200	97 63%	\$2,965,286,56	\$3,611,621,20	2,141,024	0.10%	97.00% 97.63%	91.40 \$1.49
Dec-09	2,124,149,000	2,174,881,342	97.67%	\$3,143,740.52	\$3,823,441.40	2,335,534	0.11%	97.77%	\$1.48
TOTALS (1)	527,206,586,400	542,676,569,616	97.15%	\$689,340,023.03	\$641,697,111.53	557,711,830	0.10%	97.25%	

31-Dec-09

81,686,797

(1) - SINCE MAY 1, 1992

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

Operations\Spreadsheets\H2OSALES.xls

## DU PAGE WATER COMMISSION SALES FY 2009-10 VS. ALLOCATION



DU PAGE WATER COMMISSION SALES FY 2009-10 & FY 2008-09 VS. HISTORICAL AVERAGE



#### REPAIR AND STABILIZE ERODING AREA BY PRAIRIE PATH (QR8-016A) WEST AVE. & RANDOLPH STREET, ELMHURST ACCT. # 60-6633 AUTHORIZED BY R-37-09

MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	FRI	HOURS				
· · · · ·	08/07/09	UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR						
LABOR FOREMAN - (J. ARNOLD)	5.00	5.00	52.52	262.60		
LABOR TOP - (Y. YOUKHANNA)	5.00	5.00	50.72	253.60		
LABOR TOP - (E. BARAJAS)	5.00	5.00	50.72	253.60		
TEAMSTER - (M. DOMINGUEZ)	5.00	5.00	43.68	218.40		
TEAMSTER - OT (M. DOMINGUEZ )	0.00	0.00	59.73	0.00		
MATERIAL		,		988.20	35.00%	1,334.07
RIP RAP RR #3-A	94.47			94.47		
				0.00		
				0.00		
				94.47	20.00%	113.36
	5.00	5.00	29.10	145 50		
TRAILER	5.00	5.00	5.61	28.05		
2007 GMC SIERRA 1/2 TON	5.00	5.00	17.74	88.70		
	1	0.00		0.00		
		0.00		0.00		
				262.25	20.00%	314.70
SUBCONTRACTORS EXPENSE						
				0.00		
	ŀ			0.00	20.00%	0.00
					-	
CAK DATE ILD				,	=	1,762.13
	<u> </u>					
60-6633 07 1763	2.13					
- Drid		Q	R			

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016B) CHURCH RD. BETWEEN RED OAK ST. & CREST AVE. IN BENSENVILLE ACCT. # 60-6633 AUTHORIZED BY R-37-09

#### MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	Tues 09/01/09	HOURS	RATE		FFF	
				EXTERNOR		Alloont
LABOR						
LABOR FOREMAN - (J. ARNOLD)	8.00	8.00	52.52	420.16		
OPERATOR - (D. DAUDERMAN)	8.00	8.00	61.38	491.04		
LABOR TOP - (M. ALARCON)	8.00	8.00	50.72	405.76		
LABOR TOP - (E. BARAJAS)	8.00	8.00	50.72	405.76		
LABOR TOP - (S. GLOWACZ)	8.00	8.00	43.68	349.44		
TEAMSTER - (M. DOMINGUEZ)	8.00	8.00	43.68	349.44		
TEAMSTER - OT (M. DOMINGUEZ )	2.00	2.00	59.73	119.46		
MATERIAL				2,541.06	35.00%	3,430.43
5 GAL PAIL OF EMULSION	45.00			45.00		
DUMP FEF	10.00			45.00	-	
N-50 SURFACE CSE	126 90			126.90		
N-70 BINDER CSE	74.06			74.06		
1.5" CONCRETE ADJUSTMENT RING	13.50			13.50		
				0.00		
				269.46	20.00%	323.35
		10.00				
4 WHEELER DUMP TRUCK (W/TRAILER)	10.00	10.00	29.10	291.00		
IRAILER	10.00	10.00	5.61	56.10		
2007 GMC SIERRA 1/2 TON CASE SKIDSTEED 1945C (MUDDEAKED)	8.00	8.00	17.74	141.92		
DEAKED	7.00	7.00	24.98	1/4.86		
	1.00	1.00	10.00	10.42		
	1.00	1.00	11.30	23.36		
HILTI SAW 14"	8.00	8.00	23.50	31.36		
	0.00	0.00	0.52	51.55		
				800.40	20.00%	960.49
SUBCONTRACTORS EXPENSE						
HIGHWAYINECHNOLOGY 11 DAY RENTAL W/ SETUP & TAKEDOWN CHARGES	300.77			300.77		
VILLAGE OF BENSENVILLE BOND - CHURCH / RED OAK ST. & CRESTAVE	300.00			300.00		
VILLAGE OF BENSE WILLE ERMIT FEE - 4N649 SPCHURCH 4	1,354.00	_		1,354.00		
OCT #; 60-6633 AMT 76	59.99	RR		1054.77	20.00%	0 245 79
ANT ANT				1,904.//	20.00% -	2,340.72
De 5 Tree					=	7,059.99

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#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016C) GRACE ST. AND WINTHROP AVE. IN ADDISON ACCT. # 60-6633 AUTHORIZED BY R-37-09

#### MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	WED	HOURS				
	09/02/10	UNITS	RATE	EXTENTION	FEE	AMOUNT
	8.00	8.00	52.52	420.16		
LABOR TOR - (U. MANAROON)	8.00	8.00	61.38	491.04		
LABOR TOP - (M. ALARGUN)	8.00	8.00	50.72	405.76		
LABOR TOP - (E. BARAJAS)	8.00	8.00	50.72	405.76		
LABOR TOP - (S. GLOWACZ)	8.00	8.00	43.68	349.44		
TEAMSTER - (M. DOM/NGUEZ)	8.00	8.00	43.68	349.44		
TEAMSTER - UT (M. DOMINGUEZ)		0.00	59.73	0.00		
MATERIAL				2,421.60	35.00%	3,269.16
1" CONCRETE ADJUSTMENT RING	13.50			12.50		
HI-EARLY MIX 7.0	94.25			04.25		
N-50 SURFACE CSE	52 92			52 92		
N-70 BINDER CSE	59.34			59 34		
DUMP FEE	10.00			10.00		
UPM COLD MIX	131.76			131.76		
				361.77	20.00%	434.12
EQUIPMENT						
4 WHEELER DUMP TRUCK (W/TRAILER)	8.00	8.00	29.10	232.80		
IRAILER	8.00	8.00	5.61	44.88		
2007 GMC SIERRA 1/2 TON	8.00	8.00	17.74	141.92		
CASE SKIDSTEER 1845C (W/BREAKER)	7.00	7.00	24.98	174.86		
BREAKER	7.00	7.00	10.06	70.42		
WACKER ROLLER	1.00	1.00	11.38	11.38		
	1.00	1.00	23.36	23.36		
HILLI SAW 14"	8.00	8.00	3.92	31.36		
8X8 STEEL PLATE (PER DAY)	1.00	1.00	100.00	100.00		
				830.98	20.00%	997.18
	ĺ					
				000.00		
	869.80			869.80		
				100.00		
60-6633 AMT 5	864.22			0.00		
TEAA TEAA	ſ	DR		969.80	20.00%	1,163,76
		M	-	·		
- Into Pro					_	5,864.22
					=	

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016D) MAPLE AVE. & LEE ST. IN DOWNERS GROVE ACCT. # 60-6633 AUTHORIZED BY R-37-09

#### MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

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	THUR 09/03/09	HOURS UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR						<u> </u>
LABOR FOREMAN - (J. ARNOLD)	8.00	8.00	52.52	420.16		
UPERATOR - (D. DAUDERMAN) LABOR TOP - (M. ALARCON)	8.00 8.00	8.00	50 72	491.04 405.76		
LABOR TOP - (E. BARAJAS)	8.00	8.00	50.72	405.76		
LABOR TOP - (S. GLOWACZ)	8.00	8.00	43.68	349.44		
TEAMSTER - (M. DOMINGUEZ)	8.00	8.00	43.68	349.44		
TEAMSTER - OT (M. DOMINGUEZ )	3.50	3.50	59.73	209.06	35.00%	3 551 38
MATERIAL				2,000.00	33.0070	0,001.00
3" CONCRETE ADJUSTMENT RING	29.00			29.00		
HI-EARLY MIX 7.0	96.45			96.45		
N-50 SURFACE CSE	55.00 46.33			55.00 46.33		
14-70 BINDER COL	40.00					
				226.78	20.00%	272.14
4 WHEELER DUMP TRUCK (W/TRAILER)	11.50	11.50	29.10	334.65		
TRAILER	11.50	11.50	5.61	64.52		
2007 GMC SIERRA 1/2 TON	8.00	8.00	17.74	141.92		
CASE SKIDSTEER 1845C (W/BREAKER)	7.00	7.00	24.98	174.86		
	7.00	7.00	10.06	70.42		
WACKER PLATE COMPACTOR	1.00	1.00	23.36	23.36		
HILTI SAW 14"	8.00	8.00	3.92	31.36		
8X8 STEEL PLATE (PER DAY)	1.00	1.00	100.00	100.00		
				952.47	20.00%	1,142.96
SUBCONTRACTORS EXPENSE						
HIGHWAYTECHNOLOGY - 2 DAY RENTAL	215.31			215.31		
VILLAGE OF DOWNERS GROVE BOND FEE	100.00			100.00		
VIELO DOWNERS SPORE ERWITTEE - 354 ELE ST.	1710			45.00		
ACCI # 60-6633 AND	5398.85			360.31	20.00%	432.37
AM					-	5 398 85
APPENDER AND	· · · · · · · · · · · · · · · · · · ·	۸D			=	
	a and the second second second	KIX	•			

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016E) PRESIDENT ST. & DALY RD. IN WHEATON ACCT. # 60-6633 AUTHORIZED BY R-37-09

#### MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	THUR	HOURS				
	09/03/09	UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR						
LABOR FOREMAN - (J. ARNOLD)	8.00	8.00	52.52	420 16		
OPERATOR - (D. DAUDERMAN)	8.00	8.00	61.38	491.04		
LABOR TOP - (M. ALARCON)	8.00	8.00	50.72	405.76		
LABOR TOP - (E. BARAJAS)	8.00	8.00	50.72	405.76		
LABOR TOP - (S. GLOWACZ)	8.00	8.00	43.68	349.44		
TEAMSTER - (M. DOMINGUEZ)	8.00	8.00	43.68	349.44		
TEAMSTER - OT (M. DOMINGUEZ )		0.00	59.73	0.00		
				2,421.60	35.00%	3,269.16
MATERIAL						·
ROLL OF STABILIZATION BLANKET FROM ELGIN YARD	51.75			51.75		
BAG OF SEED FOR RESTORATION FROM ELGIN YARD	90.00			90.00		
				0.00		
				0.00		
				141.75	20.00%	170.10
EQUIPMENT						
4 WHEELER DUMP TRUCK (W/TRAILER)	8.00	8.00	29.10	232.80		
IKAILER	8.00	8.00	5.61	44.88		
2007 GMC SIERRA 1/2 TON	8.00	8.00	17.74	141.92		
				419.60	20.00%	503 52
				410.00	-	
SUBCONTRACTORS EXPENSE						
				0.00		
CONFIRMED	ţ			0.00	20.00%	0.00
1 tel-11	7100				_	3,942.78
60-6633 3942	.70		•		-	

RR

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016F) GRACE ST. & WINTHROP AVE. IN ADDISON ACCT. # 60-6633 AUTHORIZED BY R-37-09

MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

THUR HOURS 09/03/09 UNITS RATE EXTENTION FEE AMOUNT LABOR LABOR FOREMAN - (J. ARNOLD) 8.00 8.00 52.52 420.16 **OPERATOR - (D. DAUDERMAN)** 8.00 8.00 61.38 491.04 OPERATOR - OT (D. DAUDERMAN) 0.50 0.50 82.76 41.38 LABOR TOP - (M. ALARCON) 8.00 8.00 50.72 405.76 LABOR TOP - OT (M. ALARCON) 0.50 0.50 68.32 34.16 LABOR TOP - (E. BARAJAS) 8.00 8.00 50.72 405.76 TEAMSTER - (M. CLAUSSNER) 8.00 8.00 45.03 360.24 TEAMSTER - OT (M. CLAUSSNER) 3.25 3,25 61.76 200.70 2,359.20 35.00% 3,184.92 MATERIAL HI-EARLY MIX 7.0 96.45 96.45 **5 GAL PAIL OF EMULSION** 60.00 60.00 N-50 SURFACE CSE 67.20 67.20 UPM COLD MIX 142.80 142.80 BAG OF MORTAR 6.50 6.50 1" BUTYL RUBBER 7.75 7.75 380.70 20.00% 456.84 EQUIPMENT **4 WHEELER DUMP TRUCK (W/TRAILER)** 11.50 11.50 29,10 334.65 TRAILER 11.50 11,50 5.61 64.52 2007 GMC SIERRA 1/2 TON 8.00 8.00 17.74 141.92 CASE SKIDSTEER 1845C (W/BREAKER) 7.50 7.50 24.98 187.35 BREAKER 7.50 7.50 10.06 75.45 WACKER ROLLER 1.00 1.00 11.38 11.38 WACKER PLATE COMPACTOR 1.00 1.00 23.36 23.36 HILTI SAW 14" 8.50 8.50 3.92 33.32 8X8 STEEL PLATE (PER DAY) 1.00 1.00 100.00 100.00 CONTRACT 971.95 20.00% 1,166.33 SUBCONTRACTORS EXPENSE DA. 710 HIGHWAY TECHNOLOGY - 2 DAY RENTAL W/ TAKEDOWN & SETUP CHARGE 1:040:48 1.040.48 60-6633 AM 0.00 6056.67 1.040.48 20.00% 1,248.58 6.056.67

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016G) NAPERVILLE RD. & FAIRMEADOW DR. IN NAPERVILLE ACCT. # 60-6633 AUTHORIZED BY R-37-09

MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	THUR 09/03/09	HOURS UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR FOREMAN - (LARNOLD)	8.00	8.00	52.52	420.16		
OPERATOR - (D. DAUDERMAN)	8.00	8.00	61.38	491.04		
OPERATOR - OT (D. DAUDERMAN)	0.50	0.50	82.76	41.38		
LABOR TOP - (M. ALARCON)	8.00	8.00	50.72	405.76		
LABOR TOP - OT (M. ALARCON)	1.00	1.00	68.32	68.32		
LABOR TOP - (J. MELENDEZ)	8.00	8.00	50.72	405.76		
LABOR TOP - OT (J. MELENDEZ)	1.00	1.00	68.32	68.32		
TEAMSTER - (M. CLAUSSNER)	8.00	8.00	45.03	360.24		
TEAMSTER - OT (M. CLAUSSNER )	3.50	3.50	61.76	216.14		
				2,477.12	35.00%	3,344.11
MATERIAL						
HI-EARLY MIX 7.0	96.45			96.45		
N-50 SURFACE CSE	48.50			48.50		
BAG OF MORTAR	6.50			6.50		
1" BUTYL RUBBER	7.75			7.75		
4" ADJUSTMENT RING	20.00			20.00		
2" ADJUSTMENT RING	13.50			13.50		
				192.70	20.00%	231.24
	11 50	11.50	20.10	224 65		
4 WHEELER DUMP TRUCK (W/TRAILER)	11.50	11.50	29.10	334:00 64.52		
RAILER 2007 ONG SIEDDA 1/2 TON	8.00	8.00	17 74	141 92		
CASE SKIDSTEED 1845C (IN/BREAKER)	7 50	7.50	24.98	187.35		
REAKED	7.50	7.50	10.06	75 45		
MACKER ROLLER	1.00	1.00	11 38	11.38		
	1.00	1.00	23.36	23.36		
HI TI SAW 12"	9.00	9.00	3.92	35.28		
	•••••					
CONFIRMED				873.91	20.00%	1,048.69
	1					
HIGHWAY TECHNOLOGY - 2 DAY RENTAL W/ TAKEDOWN & SETUP CHARGE	77/10 409 50			409.50		
CITY OF NAPERVILLE - BOND FEE	100.00			100.00		
60-6633 AMT 5'	235.44			0.00		
AME T		٥f	/	509.50	20.00%	611.40
Karage L. D.S.	to a second s	7			-	5,235.44

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016H) 55TH ST. & PARK AVE. IN DOWNERS GROVE ACCT. # 60-6633 AUTHORIZED BY R-37-09

MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE

ELGIN, IL 60120

	THUR	HOURS	RATE	EXTENTION	FFF	AMOUNT
	00/00/00					
LABOR						
LABOR FOREMAN - (J. ARNOLD)	8.00	8.00	52.52	420.16		
OPERATOR - (D. DAUDERMAN)	8.00	8.00	61.38	491.04		
OPERATOR - OT (D. DAUDERMAN)		0.00	82.76	0.00		
LABOR TOP - (M. ALARCON)	8.00	8.00	50.72	405.76		
LABOR TOP - OT (M. ALARCON)		0.00	68.32	0.00		
LABOR TOP - (J. MELENDEZ)	8.00	8.00	50.72	405.76		
LABOR TOP - OT (J. MELENDEZ)		0.00	68.32	0.00		
TEAMSTER - (M. CLAUSSNER)	8.00	8.00	45.03	360.24		
TEAMSTER - OT (M. CLAUSSNER )	3.00	3.00	61.76	185.26		
MATERIAL				2,268.22	35.00%	3,062.10
	94.25			94.25		
N-50 SURFACE CSE	58.24			58.24		
BAG OF MORTAR	6.50			6.50		
1" BUTYL RUBBER	7.75			7.75		
1" ADJUSTMENT RING	27.00			27.00		
2" ADJUSTMENT RING	27.00			27.00		
				220.74	20.00%	264.89
EQUIPMENT				000 40		
4 WHEELER DUMP TRUCK (W/TRAILER)	11.00	11.00	29.10	320.10		
TRAILER	11.00	11.00	5.01	01.71		
2007 GMC SIERRA 1/2 TON	7.00	a.00 7.00	24 08	141.52		
CASE SKIDSTEER 1845U (W/BREAKER)	7.00	7.00	10.06	70.42		
	1.00	1.00	11.38	11.38		
	1.00	1.00	23.36	23.36		
				803 75	20.00%	964.50
CONFIRMED					20.0070	
SUBCONTRACTORS EXPLOSE						
HIGHWAY-TECHNOLOGY 2 DAY RENTAL W/ TAKEDOWN & SETUP CHARGE				254.26		•
ACCT + 60-6633 AMT 45"	76.60			0.00		
ASCI ( AND		-		254.26	20.00%	305.11
ATTAIL - In Drus		RB	/		-	4,596.60

#### REMOVE AND REPLACE MANHOLE FRAME & LID (QR8-016I) BUTTERFIELD RD. & MARSHALL RD. IN OAK BROOK TERRACE ACCT. # 60-6633 AUTHORIZED BY R-37-09

MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE

ELGIN, IL 60120

	THUR	HOURS	DATE	EVTENTION	FFF	AMOUNT
				CATENTION		AMOUNT
LABOR						
LABOR TOP - (M. ALARCON)	4.50	4.50	50.72	228.24		
LABOR TOP - (J. MELENDEZ)	4.00	4.00	50.72	202,88		
TEAMSTER - (M. CLAUSSNER)	7.25	7.25	45.03	326.47		
MATERIAL				757.59	35.00%	1,022.74
	04.25			04.95		
N-50 SURFACE CSF	94.25 51.00			94.20		
BAG OF MORTAR	6.50			6.50		
1" BUTYL RUBBER	7.75			7.75		
2" ADJUSTMENT RING	13.50			13.50		
DUMP FEE	35.00			35.00		
			-	208.00	20.00%	249.60
4 WHEELER DOWP TRUCK (W/TRAILER)	4.00	4.00	29.10	116.40		
WACKER ROLLER	4.00	4.00	0.01 11.39	22.44		
WACKER PLATE COMPACTOR	1.00	1.00	23.36	23.36		
6 WHEELER TRUCK (W/TRAILER)	3.25	3.25	55.95	181 84		
TRAILER	3.25	3.25	10.98	35.69		
CAT 963C TRACK LOADER	1.00	1.00	111.32	111.32		
				502.43	20.00%	602.91
SUBCONTRACTORS EXPENSE						
HIGHWAY TECHNOLOGY - 2 DAY RENTAL W/ TAKEDOWN & SETUP CHARGE	256.64			256.64		
CANNER (1)				0.00		
DATE: 1/7/1	' د			256.64	20.00%	307.97
60-6633 AME 2183.2	22				-	2,183.22
A DELA					=	
hard - lidn	· · · · · · · · · · · · · · · · · · ·	0				
	R	<u> </u>				

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#### REPAIR AND ADJUST EXISTING MANHOLE FRAME & LID (QR8-017A) MAPLE AVE. & GARFIELD, HINSDALE ACCT. # 60-6631 AUTHORIZED BY R-45-09 MARTAM CONSTRUCTION, INC. 1200 GASKET DRIVE ELGIN, IL 60120

	Wed 07/29/09	HOURS UNITS	RATE	EXTENTION	FFF	AMOUNT
LABOR	T					
LABOR FOREMAN - (J ARNOLD)	8.00	0.00	50.50	100.10		
OPERATOR - (D. DAUDERMAN)	8.00	8.00	52.52	420.16		
LABOR TOP - (Y. YOUKHANNA)	8.00	8.00	01.30 50.70	491.04		
LABOR TOP - (E. BARAJAS)	8.00	8.00	50.72	405.70		
TEAMSTER - (C. BALL)	8.00	8.00	43.68	405.70		
TEAMSTER - OT (C. BALL)	2.50	2.50	59.73	149.33		
MATERIAL				2,221.49	35.00%	2,999.01
2" ADJUSTMENT RINGS	13.50			13 50		
6" ADJUSTMENT RINGS	25.50			25.50		
BAGS OF MORTAR	13.00			13.00		
5 GALLON BUCKETS	12.98			12.98		
HMA SUPEACE OF NED	40.00			40.00		
	36.56			36.56		
	40.00			40.00		
EQUIPMENT				181.54	20.00%	217.85
CASE SKIDSTEER 1845C (W./BREAKER)	8.00	8.00	24.98	100 84		
BREAKER	8.00	8.00	10.06	80.48		
4 WHEELER DUMP TRUCK (W/TRAILER)	10.50	10.50	29.10	305 55		
TRAILER	10.50	10.50	5.61	58.91		
2007 GMC SIERRA 1/2 TON	8.00	8.00	17.74	141.92		
				786.70	20.00%	944.04
SUBCONTRACTORS EXPENSE					-	
HIGHWAY TECHNOLOGY - ARROW BOARD, SIGNS, BARRICADES	420.25			420.25		
DATE 117104	-10 1			420.25	20.00%	504.30
ACCT # 60-6631 AMT 4665.7	20				-	4 665 20
ANT		-	^		=	.,
J=Dn)		R	K			



# **PSC-05/08**

# **Lexington Pumping Station**

## PHOTOVOLTAIC SYSTEM

## **Progress Report #5**

## December 2009

Prepared by: Eric D



GREELEY AND HANSEN



The following is a brief report of the progress achieved on the PSC-05/08 project at the Lexington Pumping Station for the month of December 2009.

## I. Summary of Work Performed and Project Status

Progress for the PSC-05/08 project has been slightly behind the approved schedule for the month of December, but this is not expected to negatively impact the overall completion date for the project. Installation of the PV racks/panels and cable on top of the reservoir has been completed. Final wire termination at the PV panels was started and is now nearing 50% completion. Installation of the electrical duct bank from the reservoir to the new Electrical Building was also started and is approximately 30% complete. Photographs of December's progress can be found at the end of this report.

## II. Project Progress

Contract Commencement Date July 21, 2008
 Contract Duration 730 calendar days

 Days Expended 528
 Percent Time Complete 72%

 Approved Time Extension 0 days
 Final Completion Date July 21, 2010

## III. Planned Work – January 2010

Throughout the month of January work will continue to focus on completion of the PV system from the top of the reservoir to the slab elevation in the Electrical Building. Termination of the wiring for the PV panels, the duct bank from the reservoir wall into the Electrical Building and installation of the reservoir wall equipment will all be completed.

## IV. Construction Costs and Progress Payments

The progress payment summary is reflective of the stored materials milestone payment.

•	Original Contract Price	\$ 7,996,000.00
•	Approved Grant Change Orders	\$ 250,000.00
•	Approved Constructive Change Orders	\$ 0.00
•	Constructive Change Order Percentage	0.0%
•	Revised Contract Price	\$ 8,246,000.00
•	Completed to Date	\$ 3,998,000.00
•	Percent Completed to Date	48.5%

## V. Pending Action Items and Project Issues

A. None at this time.





December 15, 2009 Nearing Completion of the Photovoltaic Panel and Rack Installation



December 17, 2009 Duct Bank Installation to the Electrical Building







December 22, 2009 Final Photovoltaic Panel Installation









January 1, 2010

Mr. Chris Bostick Facilities Construction Supervisor/Safety Coordinator DuPage Water Commission 600 East Butterfield Rd. Elmhurst, IL 60126

## Subject: DuPage Water Commission Electrical Generation Facility and Office/Garage Expansion Monthly Construction Progress Report No. 12

Dear Mr. Bostick:

We herewith submit our Progress Report No. 12 for the construction of the Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station covering the one month period from December 1, 2009 through December 31, 2009.

## 1. Overview and Status of the Work

The Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station project consist of the renovation and expansion of the Existing Service Building in both the North and South directions. The North expansion is to create office space, the South expansion is to house four Standby 2500 kW Diesel Engine-Generators and the existing portion is to be the Electrical Room. Due to the conversion of the Existing Service Building a new Garage is to be built. Also, the existing Upper Parking Lot is to be relocated to the Northwest area of the site to allow for the installation of a covered parking structure. The project includes site piping, grading and pavement to accommodate the changes.

In the past month, Williams Brothers Construction, Inc. (WBCI) has completed the testing, disinfecting and flushing the underground potable water piping and put it into service. They also connected and energized the new natural gas piping throughout the site from the meter to each of the buildings. After which, the existing natural gas metering station was demolished. WBCI also finished removing shoring and forms from

> the covered parking structure roof slab. The motorized dampers for the louvers were installed in the generator building and work on the HVAC ductwork and piping continued. The concrete was placed for the retaining wall at the new entrance to the lower parking lot. Electrical conduit and fuel piping were installed for the underground fuel storage tank and then it was backfilled. The rainwater collection tanks and portable generator pads were installed. They also installed the ceiling tile support grid along with the sprinkler piping and heads in the Office and Existing Service Buildings. Masonry work continued in the existing service building and drywall installation continued in the office building with all the necessary in-wall plumbing & electrical piping. WBCI continued performing patchwork on existing walls inside the buildings and painting the walls and structural steel. Finally, they installed doors and equipment pads throughout the buildings.

## 2. Scheduled Upcoming Work/January, 2010

In the next month, Williams Brothers Construction, Inc. plans to continue to patch and fix existing walls, ceiling and floors to make aesthetically pleasing. They plan to continue painting the structural steel and touching up the acoustical roof deck in the Generator Building. Electrical work will continue in the office, generator and existing service buildings. The ductwork installation will continue in the Generator Building. WBCI will continue cleaning the south wall of Covered Parking Structure and begin finishing the walls and ceilings.

### 3. Project Schedule

The December 2009 Construction Schedule update indicates the project's final completion date remains on schedule.

#### Contract No. PSD-7/08

•	Contract Execution Date	November 25, 2008
•	Contract Duration (final Completion)	730 calendar days
	<ul> <li>Time Expended</li> </ul>	403 days
	<ul> <li>Percent Time Complete</li> </ul>	55.21%
•	Approved Time Extensions	0 days
•	Final Completion Date	November 24, 2010

Mr. C. Bostick
January 1, 2010
Page 3 *Construction Costs and Progress Payments*

Applications for Progress Payments have been submitted each month by Williams Brothers Construction, Inc. to commensurate with the work performed. The following is a summary of progress payments.

Contract No. PSD-7/08

•	Original Contract Price	\$16,970,000.00
•	Approved Change Orders	\$ 191,625.00
•	Approved Change Order Percentage	1.13%
•	Revised Contract Price	\$17,161,625.00
•	Total Completed To Date	\$ 10,551,664.74
•	Percent Completed To Date	61.48%

5. Pending Action Items and Issues

• Change Order No. 6 to be placed on a future board meeting agenda.

Should you have any questions, please do not hesitate to call.

Very truly yours,

Robert J. Reid Resident Engineer Camp Dresser & McKee Inc.

cc: David D. Tucker, Jacquelyne Sanders



Retaining Wall Progress



Generator Ventilator Installation



Office Building Progress



Covered Parking Structure Looking West



Covered Parking Structure Looking Northeast



Covered Parking Structure Looking Southeast



# **PSC-04/08**

# **Lexington Pumping Station**

Division A – Generator Facility Division B – Variable Frequency Drives

# **Progress Report #10**

## December 2009

Prepared by: Eric Da

Eric Darlinger / MAI



GREELEY AND HANSEN



The following is a brief report of the progress achieved on the PSC-04/08 project at the Lexington Pumping Station for the month of December 2009.

## I. Summary of Work Performed and Project Status

During the month of December the progress on the PSC-04/08 project continues to meet or exceed the current approved construction schedule. As planned, the first portion of the month focused on the grouting/ sealing for the precast building walls, roofing, and under-slab piping/electrical for both buildings. In the Generator Building, the generator foundation pads were constructed and the exhaust silencers were hung. By mid-month the generators were delivered to the site, set in the building, and work continued on the under-slab preparations including the fuel piping trench. In addition, the section of 60-inch storm sewer between the two junction chambers was lined this month. Work on the underground fuel oil storage tanks was put off until next month but this is not anticipated to affect the completion date for the project. Photographs of December's progress can be found at the end of this report.

## II. Project Progress

•	Contract Commencement Date Contract Duration • Days Expended	July 21, 2008 730 calendar days 528
•	<ul> <li>Approved Time Extensions</li> <li>Generator Delivery Period</li> <li>Contract Completion Date</li> </ul>	188 days 92 days
•	<ul><li>Revised Contract Duration</li><li>Percent Completion</li><li>Final Completion Date</li></ul>	822 calendar days 64% October 21, 2010

## III. Planned Work – January 2010

The Month of January will bring the completion of the floor slabs, installation of the doors, and the beginning of the masonry work in both buildings. As mentioned earlier, January should also bring the beginning of construction for the underground fuel oil storage tanks.



## IV. Construction Costs and Progress Payments

The following summary reflects activity through pay request #6 which is currently being processed.

•	Original Contract Price	\$ 17,209,000.00
•	<ul> <li>Approved Permit Related Change Orders</li> <li>Permit Change Order Percentage</li> </ul>	\$284,197.76 1.7%
•	<ul> <li>Approved Constructive Change Orders</li> <li>Constructive Change Order Percentage</li> </ul>	-\$ 47,729.45 -0.3%
•	Revised Contract Price Completed to Date Percent Completed to Date	\$ 17,445,468.31 \$ 4,573,321.14 26.2%

## V. Pending Action Items and Project Issues

### A. Water Main Change Order Request

Ownership's request for further information/clarification from the contractor for this change order request did not receive satisfactory response. The Engineers are reviewing the recommendation, and it will be re-issued in January.

## B. IDOT Barrier Wall/Guardrail Change Order Request

Negotiation of the change order request for the barrier wall and guardrail added by IDOT has been completed and the Engineer's recommendation will be issued in January.





## Early Roofing Installation on the Generator Building



## Pouring Generator Foundation Pads





GREELEY AND HANSEN



McDonough Associates Inc. Engineers/Architects

60-inch Storm Sewer Lining Installation









Setting the First Generator Inside the Building

Generator Building Fuel Oil Piping Trench and Slab Preparation





