



DuPage Water Commission

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

NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED DECEMBER 2003 ENGINEERING COMMITTEE MEETING OF THE DU PAGE WATER COMMISSION WILL BE HELD AT 11:30 A.M. ON THURSDAY, DECEMBER 11, 2003, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED DECEMBER 2003 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA

**ENGINEERING COMMITTEE
THURSDAY, DECEMBER 11, 2003
11:30 A.M.**

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

COMMITTEE MEMBERS

G. Wilcox, Chair
R. Benson
W. Mueller
R. Tolentino

- I. Roll Call
- II. Approval of Minutes for Committee Meeting of November 13, 2003
- III. Report of Status of Construction/Operations
- IV. TW-3 Specifications Regarding Construction Schedule on Stearns Road and Fair Oaks
- V. Engineering Capacity Study Related to Future Customers
- VI. Partial Pay Request
 - Progress Payment No. 16: Contract BOV-1 (Blow Off Valve Repair)
- VII. Plainfield Road Storm Sewer Matter
- VIII. GPS System – (See Attached Memo)
- IX. Other
- X. Adjournment

Board/Agendas/Engineering/Eng0312.doc

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.

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DU PAGE WATER COMMISSION
HELD ON NOVEMBER 13, 2003**

The meeting was called to order at 7:09 P.M.

Committee members in attendance: W. Mueller, R. Tolentino and G. Wilcox

Also in attendance: R. Martin, E. Nawrocki, M. Crowley (H&K) and W. Green (AB&H)

Commissioner Tolentino moved that the Minutes of the October 8, 2003 Engineering Committee be approved. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, R. Tolentino and G. Wilcox

Nay: None

The Committee reviewed memoranda regarding the Status of Facilities Construction/Operation dated November 7, 2003 and Status of Pipeline Construction dated November 7, 2003.

The Committee discussed the request by Rossi Contractors, the low bidder on Contract TIB-1, for relief on the \$30 million Comprehensive General Liability Insurance Policy limit or the premium for the coverage. Rossi Contractors stated that their Comprehensive General Liability Insurance carrier is unwilling to eliminate the pollution exclusion. The Contractor has been able to obtain a separate \$1 million Pollution Liability policy, but estimates it would cost between \$500,000 to \$600,000 to increase the coverage amount to \$30 million. The Committee will recommend to the Commission that the Contractor's request for relief be denied.

Commissioner Mueller moved to recommend approval of the progress payment in the amount of \$570,352.43 as part of the Accounts Payable, subject to submission of all contractually required documentation.

Progress Payment No. 15: Contract BOV-1 (Blow Off Valve Repair) in the amount of \$570,352.43

Motion seconded by Commissioner Tolentino and passed unanimously as follows:

Aye: W. Mueller, R. Tolentino and G. Wilcox

Nay: None

Minutes 11/13/03 Engineering Meeting

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

Aye: W. Mueller, R. Tolentino and G. Wilcox

Nay: None

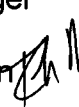
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DuPage Water Commission

MEMORANDUM

TO: General Manager

FROM: Robert L. Martin 

DATE: December 5, 2003

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of November were a total of 2.221 billion gallons. This represents an average day of 74.0 million gallons per day (MGD), which is lower than the November 2002 average day demand of 75.5 MGD. The maximum day demand was 78.8 million gallons (November 26, 2003), which is lower than the November 2002 maximum day of 82.0 million gallons. The minimum day flow was 73.2 million gallons. The Commission recorded a total precipitation for the month of November of 4.56 inches compared to 0.75 inches for November 2002.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheet for November, 2003
2. Water Sales Analysis 01-May-99 to 30-November-03
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages


DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
 MONTHLY REPORT FOR NOVEMBER 2003

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 mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.78	0.11	0.56	0.82	0.11	58	7.3	0.9	0.50	0	NB
2	0.74	0.12	0.55	0.80	0.11	58	7.3	1.1	0.48	0	NB
3	0.69	0.10	0.54	0.79	0.10	56	7.3	0.9	0.46	0	NB
4	0.72	0.10	0.52	0.78	0.10	56	7.3	1.1	0.46	0	MB
5	0.70	0.10	0.49	0.76	0.10	55	7.3	1.1	0.48	0	MB
6	0.75	0.10	0.51	0.78	0.10	55	7.3	1.1	0.47	0	MB
7	0.72	0.09	0.52	0.79	0.09	55	7.3	1.1	0.47	0	MB
8	0.68	0.10	0.51	0.75	0.08	55	7.3	1.0	0.49	0	NB
9	0.68	0.11	0.54	0.72	0.09	54	7.4	1.1	0.49	0	NB
10	0.68	0.11	0.49	0.71	0.10	53	7.4	1.0	0.47	0	NB
11	0.63	0.12	0.48	0.72	0.10	52	7.3	1.1	0.47	0	NB
12	0.65	0.12	0.49	0.70	0.09	52	7.3	1.1	0.51	0	MB
13	0.70	0.12	0.51	0.70	0.08	52	7.3	1.1	0.51	0	CT
14	0.67	0.11	0.51	0.72	0.11	52	7.3	1.1	0.51	0	MB
15	0.70	0.11	0.48	0.75	0.09	52	7.3	1.1	0.48	0	MB
16	0.67	0.12	0.53	0.70	0.11	50	7.3	1.1	0.47	0	NB
17	0.71	0.12	0.51	0.72	0.11	50	7.3	1.0	0.46	0	NB
18	0.73	0.12	0.49	0.75	0.11	50	7.3	1.0	0.46	0	NB
19	0.68	0.13	0.52	0.72	0.08	49	7.4	1.0	0.45	0	NB
20	0.71	0.11	0.52	0.76	0.09	49	7.4	1.0	0.46	0	MB
21	0.71	0.11	0.52	0.78	0.08	49	7.4	1.1	0.47	0	MB
22	0.77	0.10	0.54	0.77	0.10	49	7.4	1.0	0.47	0	MB
23	0.78	0.10	0.48	0.79	0.10	49	7.3	1.0	0.45	0	MB
24	0.79	0.12	0.48	0.83	0.08	49	7.4	1.0	0.46	0	NB
25	0.81	0.12	0.53	0.84	0.08	49	7.4	1.0	0.43	0	NB
26	0.75	0.10	0.51	0.85	0.08	49	7.4	1.0	0.51	0	NB
27	0.74	0.10	0.49	0.77	0.10	48	7.4	1.1	0.51	0	NB
28	0.66	0.12	0.51	0.74	0.10	48	7.4	1.1	0.47	0	MB
29	0.64	0.11	0.49	0.78	0.10	48	7.4	1.1	0.47	0	MB
30	0.66	0.12	0.49	0.78	0.10	48	7.3	1.1	0.48	0	MB
31											
AVG	0.71	0.11	0.51	0.76	0.10	52	7.3	1.1	0.48	0	
MAX	0.81	0.13	0.56	0.85	0.11	58	7.4	1.1	0.51	0	
MIN	0.63	0.09	0.48	0.70	0.08	48	7.3	0.9	0.43	0	


 TERRANCE MCGHEE
 MAINTENANCE SUPERINTENDENT


 ROBERT L. MARTIN
 MANAGER OF WATER OPERATIONS

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Nov-03

PER DAY AVERAGE 80,893,666

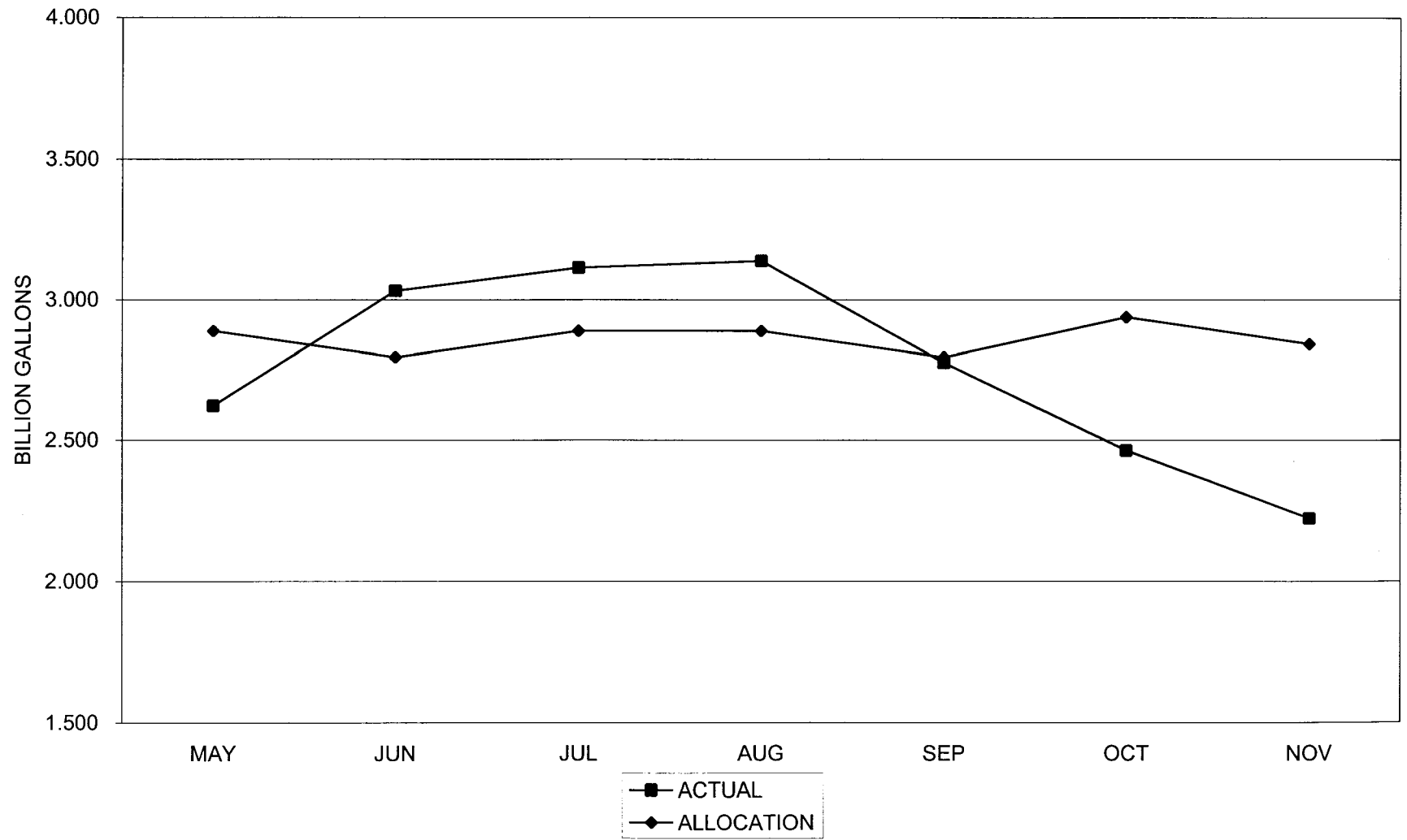
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %
May-00	2,669,079,000	2,757,885,612	96.78%	\$3,523,184.28	\$2,997,140.76	1,063,700	0.04%	96.82%
Jun-00	2,679,123,000	2,765,987,535	96.86%	\$3,536,442.36	\$3,005,945.55	964,900	0.03%	96.89%
Jul-00	3,147,101,000	3,250,023,197	96.83%	\$4,154,173.32	\$3,531,972.81	1,313,300	0.04%	96.87%
Aug-00	3,150,764,000	3,263,518,921	96.54%	\$4,159,008.48	\$3,546,639.33	1,424,700	0.04%	96.59%
Sep-00	2,905,099,000	3,014,700,861	96.36%	\$3,834,730.68	\$3,276,235.53	1,496,600	0.05%	96.41%
Oct-00	2,523,491,000	2,609,574,787	96.70%	\$3,331,008.12	\$2,835,963.51	11,969,523	0.46%	97.16%
Nov-00	2,276,425,000	2,330,256,690	97.69%	\$3,004,881.00	\$2,532,413.70	1,226,800	0.05%	97.74%
Dec-00	2,416,208,000	2,481,365,409	97.37%	\$3,189,394.56	\$2,696,631.57	1,073,000	0.04%	97.42%
Jan-01	2,390,741,000	2,454,238,938	97.41%	\$3,155,778.12	\$2,773,290.00	1,011,300	0.04%	97.45%
Feb-01	2,126,216,000	2,167,739,071	98.08%	\$2,806,605.12	\$2,449,545.15	818,800	0.04%	98.12%
Mar-01	2,311,827,000	2,378,966,637	97.18%	\$3,051,611.64	\$2,688,232.30	3,238,200	0.14%	97.31%
Apr-01	2,291,524,000	2,346,378,053	97.66%	\$3,024,811.68	\$2,651,407.20	784,200	0.03%	97.70%
May-01	2,679,850,000	2,792,321,195	95.97%	\$3,564,200.50	\$3,155,322.95	12,320,840	0.44%	96.41%
Jun-01	2,944,352,000	3,026,438,540	97.29%	\$3,915,988.16	\$3,419,875.55	10,068,050	0.33%	97.62%
Jul-01	3,729,441,000	3,839,156,549	97.14%	\$4,960,156.53	\$4,338,246.90	2,171,700	0.06%	97.20%
Aug-01	3,217,436,000	3,265,655,796	98.52%	\$4,279,189.88	\$3,690,191.05	1,156,800	0.04%	98.56%
Sep-01	2,552,219,000	2,639,772,522	96.68%	\$3,394,451.27	\$2,982,942.95	7,064,124	0.27%	96.95%
Oct-01	2,382,399,000	2,441,347,080	97.59%	\$3,168,590.67	\$2,758,722.20	7,511,120	0.31%	97.89%
Nov-01	2,212,776,000	2,246,511,018	98.50%	\$2,942,992.08	\$2,538,557.45	7,110,473	0.32%	98.81%
Dec-01	2,289,859,000	2,319,285,708	98.73%	\$3,045,512.47	\$2,620,792.85	917,200	0.04%	98.77%
Jan-02	2,320,798,000	2,351,613,013	98.69%	\$3,086,661.34	\$2,763,145.29	1,017,300	0.04%	98.73%
Feb-02	2,101,092,000	2,140,899,881	98.14%	\$2,794,452.36	\$2,515,557.36	1,134,300	0.05%	98.19%
Mar-02	2,282,553,000	2,369,611,940	96.33%	\$3,035,795.49	\$2,784,293.72	18,554,160	0.78%	97.11%
Apr-02	2,279,744,000	2,353,213,915	96.88%	\$3,032,059.52	\$2,765,026.04	1,118,700	0.05%	96.93%
May-02	2,530,549,000	2,620,422,434	96.57%	\$3,390,935.66	\$3,078,996.36	10,740,300	0.41%	96.98%
Jun-02	2,974,993,000	3,064,246,366	97.09%	\$3,986,490.62	\$3,600,489.48	2,949,188	0.10%	97.18%
Jul-02	3,818,677,000	3,928,688,630	97.20%	\$5,117,027.18	\$4,616,209.14	1,407,000	0.04%	97.24%
Aug-02	3,243,485,000	3,347,860,391	96.88%	\$4,346,269.90	\$3,933,735.96	1,155,200	0.03%	96.92%
Sep-02	2,941,334,000	3,026,340,894	97.19%	\$3,941,387.56	\$3,555,950.55	1,130,900	0.04%	97.23%
Oct-02	2,515,785,000	2,551,823,030	98.59%	\$3,371,216.38	\$2,998,392.06	1,354,600	0.05%	98.64%
Nov-02	2,264,094,000	2,328,010,928	97.25%	\$3,034,011.20	\$2,735,412.84	811,900	0.03%	97.29%
Dec-02	2,384,875,000	2,439,819,728	97.75%	\$3,195,844.10	\$2,866,788.18	885,300	0.04%	97.78%
Jan-03	2,430,849,000	2,496,371,382	97.38%	\$3,257,685.17	\$3,053,062.20	751,400	0.03%	97.41%
Feb-03	2,166,550,000	2,216,028,831	97.77%	\$2,903,280.54	\$2,710,203.26	919,100	0.04%	97.81%
Mar-03	2,347,318,000	2,412,660,360	97.29%	\$3,145,477.42	\$2,950,683.62	835,700	0.03%	97.33%
Apr-03	2,338,518,000	2,401,856,926	97.36%	\$3,133,682.63	\$2,937,471.02	12,052,576	0.50%	97.86%
May-03	2,622,301,000	2,711,004,309	96.73%	\$3,619,032.96	\$3,315,558.27	3,119,550	0.12%	96.84%
Jun-03	3,031,274,000	3,129,263,410	96.87%	\$4,183,476.12	\$3,827,089.15	9,583,535	0.31%	97.17%
Jul-03	3,114,181,000	3,213,079,828	96.92%	\$4,297,569.78	\$3,929,596.63	3,414,287	0.11%	97.03%
Aug-03	3,137,669,000	3,237,477,343	96.92%	\$4,330,318.18	\$3,959,434.79	6,589,500	0.20%	97.12%
Sep-03	2,775,903,000	2,842,321,431	97.66%	\$3,830,750.38	\$3,476,159.11	1,081,000	0.04%	97.70%
Oct-03	2,463,017,000	2,531,079,199	97.31%	\$3,361,577.64	\$3,095,509.86	1,199,100	0.05%	97.36%
Nov-03	2,220,837,000	2,263,237,760	98.13%	\$3,110,603.92	\$2,767,939.78	1,004,600	0.04%	98.17%
TOTALS (1)	342,261,102,000	352,690,274,104	97.04%	\$457,193,518.16	\$374,124,626.62	266,464,491	0.08%	97.12%

(1) - SINCE MAY 1, 1992

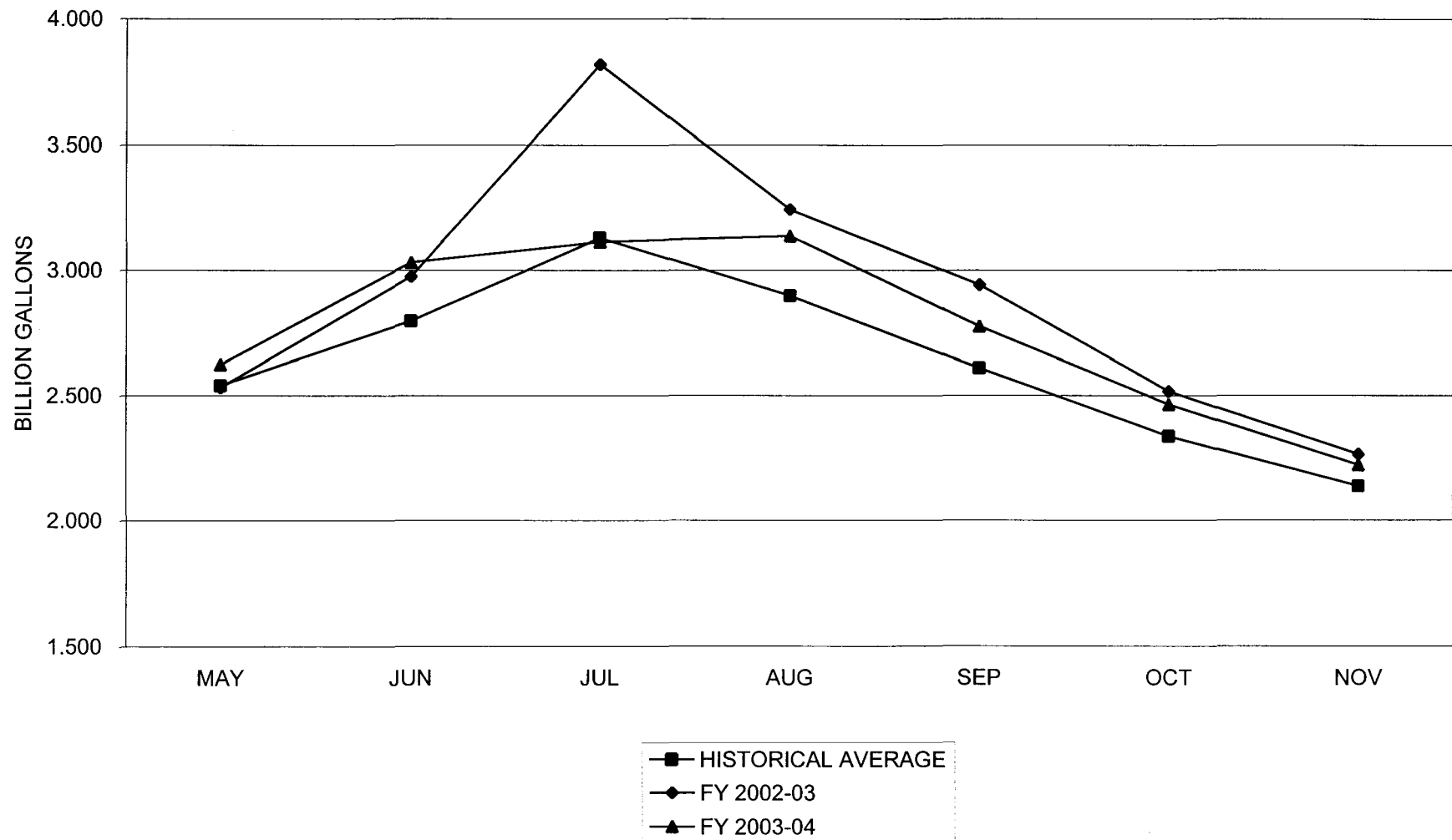
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

Operations\Spreadsheets\H2O\SALES.xls

**DU PAGE WATER COMMISSION SALES
FY 2003-04 VS. ALLOCATION**



**DU PAGE WATER COMMISSION SALES
FY 2003-04 & FY 2002-03 VS. HISTORICAL AVERAGE**





DuPage Water Commission

MEMORANDUM

TO: General Manager

FROM: Manager of Pipeline Maintenance and Construction

Date: December 5, 2003

SUBJECT: Status of Pipeline Construction

CONTRACT TSW-3/98 SOUTHWEST TRANSMISSION MAIN

The pipeline is in service. An agreement has been reached with the Contractor to repair or replace the defective 48" ROV at Winfield and Butterfield Rds. The rejected valve has been removed and the new valve has been ordered; the manufacturing and installation process may take 1 to 2 months to complete.

Lost Time Accidents to Date 11/07/03 - John Neri Const. Co. - 0

CONTRACT TW-2/00 WEST TRANSMISSION MAIN

Rossi Contractors has installed 49,399 feet of 48" steel pipe to date with 30 feet of pipe remaining. This is 99% of the pipe to be installed. The defective 48" valve has been remanufactured in Germany and has been delivered and tested. Installation was expected to occur last week, however, a worm gear failed and has been re-ordered. This will delay completion for another month.

Lost Time Accidents to Date 12/05/03 - Rossi Contracting Co. Inc. - 0

CONTRACT BOV-1/02 BLOW-OFF VALVE IMPROVEMENTS

Rossi Contracting Co. Inc. has completed 233 blow-off valves to date with 101 remaining. This is 70% of the work to be completed.

Lost Time Accidents to Date 12/05/03 -Rossi Contracting Co. Inc. - 0

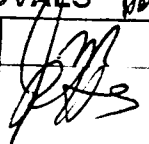
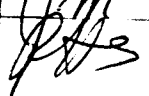
CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

The bid opening for this Project was held on Thursday August 27, 2003 at 1:00 PM. The Low bidder is Rossi Contracting Co. Inc. with a bid of \$12,730,598.14. The Contractor is submitting shop drawings and required insurance for review and approval.

DU PAGE WATER COMMISSION
 BLOW OFF VALVE REPAIR (BOV-1)
 ROSSI CONTRACTORS
 201 WEST LAKE STREET
 NORTHLAKE, ILLINOIS 60164

PAYMENT # 16
 DATE 11/30/03
 ACCOUNT # AMOUNT
 WF-6631 \$462,562.43
 WF-3520 (\$46,256.24)
 WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
	CONTRACT SUB-TOTALS				\$7,812,435.00 =====		\$7,712,354.30 =====		\$4,868,435.04		\$4,405,872.56		\$462,562.43		\$2,843,919.26
	RETENTION	10.00%							(\$466,543.50)		(\$440,537.26)		(\$46,256.24)		\$466,543.50
	CONTRACT TOTALS								\$4,331,591.54		\$3,965,285.30		\$416,306.24		\$3,330,762.76 =====
DEDUCTS/BONUS															
1X	EXCESS ENGINEERING COSTS-DWC		HRS.	(60.00)				507.00	(\$30,420.00)	436.50	(\$26,190.00)	70.50	(\$4,230.00)		
	NET PAYMENT TO CONTRACTOR								\$4,351,171.54 =====		\$3,939,095.30 =====		\$412,076.24 =====		
	CHANGE ORDER PERCENTAGE						-1.23%								

STAFF APPROVALS	
ENGINEERING	
ACCOUNTING	

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-6631 \$462,562.48
WF-3520 (\$46,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL	UNIT	UNIT	ORIGINAL	AMENDED	AMENDED	CURRENT	TO DATE	PREVIOUS	PAYMENT	THIS	PAYMENT	CONTRACT	BALANCE
		CONTRACT		PRICE	CONTRACT	CONTRACT	EXTENSION				QUANTITY		EXTENSION		QUANTITY
1	Valve #1	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
2	Valve #2	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
3	Valve #3	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
4	Valve #4	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
5	Valve #5	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
6	Valve #6	100%	Lump Sum	\$50,500.00	\$50,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
7	Valve #7	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
8	Valve #8	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
9	Valve #9	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
10	Valve #10	100%	Lump Sum	\$19,300.00	\$19,300.00	100%	\$19,300.00	100%	\$19,300.00	100%	\$19,300.00	0%	\$0.00	0%	\$0.00
11	Valve #11	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
12	Valve #12	100%	Lump Sum	\$16,200.00	\$16,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
13	Valve #13	100%	Lump Sum	\$14,600.00	\$14,600.00	100%	\$14,600.00	100%	\$14,600.00	100%	\$14,600.00	0%	\$0.00	0%	\$0.00
14	Valve #14	100%	Lump Sum	\$49,600.00	\$49,600.00	100%	\$49,600.00	100%	\$49,600.00	100%	\$49,600.00	0%	\$0.00	0%	\$0.00
15	Valve #15	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00
16	Valve #16	100%	Lump Sum	\$48,500.00	\$48,500.00	100%	\$48,500.00	100%	\$48,500.00	100%	\$48,500.00	0%	\$0.00	0%	\$0.00
17	Valve #17	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
18	Valve #18	100%	Lump Sum	\$49,400.00	\$49,400.00	100%	\$49,400.00	100%	\$49,400.00	100%	\$49,400.00	0%	\$0.00	0%	\$0.00
19	Valve #19	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
20	Valve #20	100%	Lump Sum	\$13,900.00	\$13,900.00	100%	\$13,900.00	100%	\$13,900.00	100%	\$13,900.00	0%	\$0.00	0%	\$0.00
21	Valve #21	100%	Lump Sum	\$19,600.00	\$19,600.00	100%	\$19,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$19,600.00
22	Valve #22	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
23	Valve #23	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
24	Valve #24	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
25	Valve #25	100%	Lump Sum	\$18,700.00	\$18,700.00	100%	\$18,700.00	100%	\$18,700.00	100%	\$18,700.00	0%	\$0.00	0%	\$0.00
26	Valve #26	100%	Lump Sum	\$19,400.00	\$19,400.00	100%	\$19,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$19,400.00
27	Valve #27	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00
28	Valve #28	100%	Lump Sum	\$16,900.00	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	0%	\$0.00	0%	\$0.00
29	Valve #29	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
30	Valve #30	100%	Lump Sum	\$14,800.00	\$14,800.00	100%	\$14,800.00	100%	\$14,800.00	100%	\$14,800.00	0%	\$0.00	0%	\$0.00
31	Valve #31	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00
32	Valve #32	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
33	Valve #33	100%	Lump Sum	\$68,600.00	\$68,600.00	100%	\$68,600.00	100%	\$68,600.00	100%	\$68,600.00	0%	\$0.00	0%	\$0.00
34	Valve #34	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
35	Valve #35	100%	Lump Sum	\$13,800.00	\$13,800.00	100%	\$13,800.00	100%	\$13,800.00	100%	\$13,800.00	0%	\$0.00	0%	\$0.00
36	Valve #36	100%	Lump Sum	\$51,700.00	\$51,700.00	100%	\$51,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$51,700.00
37	Valve #37	100%	Lump Sum	\$69,500.00	\$69,500.00	100%	\$69,500.00	100%	\$69,500.00	100%	\$69,500.00	0%	\$0.00	0%	\$0.00
38	Valve #38	100%	Lump Sum	\$19,500.00	\$19,500.00	100%	\$19,500.00	100%	\$19,500.00	100%	\$19,500.00	0%	\$0.00	0%	\$0.00
39	Valve #39	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00
40	Valve #40	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00
41	Valve #41	100%	Lump Sum	\$18,600.00	\$18,600.00	100%	\$18,600.00	100%	\$18,600.00	100%	\$18,600.00	0%	\$0.00	0%	\$0.00
42	Valve #42	100%	Lump Sum	\$47,600.00	\$47,600.00	100%	\$47,600.00	100%	\$47,600.00	100%	\$47,600.00	0%	\$0.00	0%	\$0.00
43	Valve #43	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
44	Valve #44	100%	Lump Sum	\$48,300.00	\$48,300.00	100%	\$48,300.00	100%	\$48,300.00	100%	\$48,300.00	0%	\$0.00	0%	\$0.00
45	Valve #45	100%	Lump Sum	\$48,500.00	\$48,500.00	100%	\$48,500.00	100%	\$48,500.00	100%	\$48,500.00	0%	\$0.00	0%	\$0.00
46	Valve #46	100%	Lump Sum	\$49,300.00	\$49,300.00	100%	\$49,300.00	100%	\$49,300.00	100%	\$49,300.00	0%	\$0.00	0%	\$0.00
47	Valve #47	100%	Lump Sum	\$13,100.00	\$13,100.00	100%	\$13,100.00	100%	\$13,100.00	100%	\$13,100.00	0%	\$0.00	0%	\$0.00
48	Valve #48	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
49	Valve #49	100%	Lump Sum	\$49,500.00	\$49,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
50	Valve #50	100%	Lump Sum	\$13,300.00	\$13,300.00	100%	\$13,300.00	100%	\$13,300.00	100%	\$13,300.00	0%	\$0.00	0%	\$0.00
51	Valve #51	100%	Lump Sum	\$11,300.00	\$11,300.00	100%	\$11,300.00	100%	\$11,300.00	100%	\$11,300.00	0%	\$0.00	0%	\$0.00
52	Valve #52	100%	Lump Sum	\$11,600.00	\$11,600.00	100%	\$11,600.00	100%	\$11,600.00	100%	\$11,600.00	0%	\$0.00	0%	\$0.00
53	Valve #53	100%	Lump Sum	\$11,400.00	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	0%	\$0.00	0%	\$0.00
54	Valve #54	100%	Lump Sum	\$19,300.00	\$19,300.00	100%	\$19,300.00	100%	\$19,300.00	100%	\$19,300.00	0%	\$0.00	0%	\$0.00
55	Valve #55	100%	Lump Sum	\$13,800.00	\$13,800.00	100%	\$13,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,800.00
56	Valve #56	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
57	Valve #57	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
58	Valve #58	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
59	Valve #59	100%	Lump Sum	\$11,700.00	\$11,700.00	100%	\$11,700.00	100%	\$11,700.00	100%	\$11,700.00	0%	\$0.00	0%	\$0.00
60	Valve #60	100%	Lump Sum	\$11,700.00	\$11,700.00	100%	\$11,700.00	100%	\$11,700.00	100%	\$11,700.00	0%	\$0.00	0%	\$0.00
61	Valve #61	100%	Lump Sum	\$11,600.00	\$11,600.00	100%	\$11,600.00	100%	\$11,600.00	100%	\$11,600.00	0%	\$0.00	0%	\$0.00
62	Valve #62	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
63	Valve #63	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00
64	Valve #64	100%	Lump Sum	\$26,600.00	\$26,600.00	100%	\$26,600.00	100%	\$26,600.00	100%	\$26,600.00	0%	\$0.00	0%	\$0.00
65	Valve #65	100%	Lump Sum	\$11,800.00	\$11,800.00	10									

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-6631 \$462,562.43
WF-3520 (\$46,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
31	Valve #81	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
32	Valve #82	100%	Lump Sum	\$19,100.00	\$19,100.00	100%	\$19,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$19,100.00
33	Valve #83	100%	Lump Sum	\$14,300.00	\$14,300.00	100%	\$14,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$14,300.00
34	Valve #84	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00
35	Valve #85	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
36	Valve #86	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,500.00
37	Valve #87	100%	Lump Sum	\$11,300.00	\$11,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
38	Valve #88	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
39	Valve #89	100%	Lump Sum	\$15,100.00	\$15,100.00	100%	\$15,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,100.00
90	Valve #90	100%	Lump Sum	\$12,200.00	\$12,200.00	100%	\$12,200.00	100%	\$12,200.00	100%	\$12,200.00	0%	\$0.00	0%	\$0.00
91	Valve #91	100%	Lump Sum	\$11,200.00	\$11,200.00	100%	\$11,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,200.00
92	Valve #92	100%	Lump Sum	\$11,500.00	\$11,500.00	100%	\$11,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,500.00
93	Valve #93	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
94	Valve #94	100%	Lump Sum	\$11,900.00	\$11,900.00	100%	\$11,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,900.00
95	Valve #95	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00
96	Valve #96	100%	Lump Sum	\$16,800.00	\$16,800.00	100%	\$16,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,800.00
97	Valve #97	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
98	Valve #98	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,400.00
99	Valve #99	100%	Lump Sum	\$70,400.00	\$70,400.00	100%	\$70,400.00	100%	\$70,400.00	100%	\$70,400.00	0%	\$0.00	0%	\$0.00
100	Valve #100	100%	Lump Sum	\$15,000.00	\$15,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
101	Valve #101	100%	Lump Sum	\$50,500.00	\$50,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
102	Valve #102	100%	Lump Sum	\$51,000.00	\$51,000.00	100%	\$51,000.00	100%	\$51,000.00	100%	\$51,000.00	0%	\$0.00	0%	\$0.00
103	Valve #103	100%	Lump Sum	\$49,100.00	\$49,100.00	100%	\$49,100.00	100%	\$49,100.00	100%	\$49,100.00	0%	\$0.00	0%	\$0.00
104	Valve #104	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
105	Valve #105	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
106	Valve #106	100%	Lump Sum	\$16,700.00	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	0%	\$0.00	0%	\$0.00
107	Valve #107	100%	Lump Sum	\$12,800.00	\$12,800.00	100%	\$12,800.00	100%	\$12,800.00	100%	\$12,800.00	0%	\$0.00	0%	\$0.00
108	Valve #108	100%	Lump Sum	\$70,700.00	\$70,700.00	100%	\$70,700.00	100%	\$70,700.00	100%	\$70,700.00	0%	\$0.00	0%	\$0.00
109	Valve #109	100%	Lump Sum	\$27,500.00	\$27,500.00	100%	\$27,500.00	100%	\$27,500.00	100%	\$27,500.00	0%	\$0.00	0%	\$0.00
110	Valve #110	100%	Lump Sum	\$27,300.00	\$27,300.00	100%	\$27,300.00	100%	\$27,300.00	100%	\$27,300.00	0%	\$0.00	0%	\$0.00
111	Valve #111	100%	Lump Sum	\$17,600.00	\$17,600.00	100%	\$17,600.00	100%	\$17,600.00	100%	\$17,600.00	0%	\$0.00	0%	\$0.00
112	Valve #112	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
113	Valve #113	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
114	Valve #114	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
115	Valve #115	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
116	Valve #116	100%	Lump Sum	\$19,400.00	\$19,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
117	Valve #117	100%	Lump Sum	\$17,700.00	\$17,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
118	Valve #118	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
119	Valve #119	100%	Lump Sum	\$12,100.00	\$12,100.00	100%	\$12,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,100.00
120	Valve #120	100%	Lump Sum	\$24,500.00	\$24,500.00	100%	\$24,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$24,500.00
121	Valve #121	100%	Lump Sum	\$28,000.00	\$28,000.00	100%	\$28,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$28,000.00
122	Valve #122	100%	Lump Sum	\$26,700.00	\$26,700.00	100%	\$26,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$26,700.00
123	Valve #123	100%	Lump Sum	\$11,700.00	\$11,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
124	Valve #124	100%	Lump Sum	\$12,100.00	\$12,100.00	100%	\$12,100.00	100%	\$12,100.00	100%	\$12,100.00	0%	\$0.00	0%	\$0.00
125	Valve #125	100%	Lump Sum	\$13,500.00	\$13,500.00	100%	\$13,500.00	100%	\$13,500.00	100%	\$13,500.00	0%	\$0.00	0%	\$0.00
126	Valve #126	100%	Lump Sum	\$11,300.00	\$11,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
127	Valve #127	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	100%	\$16,500.00	0%	\$0.00
128	Valve #128	100%	Lump Sum	\$15,100.00	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	0%	\$0.00	0%	\$0.00
129	Valve #129	100%	Lump Sum	\$16,700.00	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	0%	\$0.00	0%	\$0.00
130	Valve #130	100%	Lump Sum	\$12,300.00	\$12,300.00	100%	\$12,300.00	100%	\$12,300.00	100%	\$12,300.00	0%	\$0.00	0%	\$0.00
131	Valve #131	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,400.00
132	Valve #132	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,500.00
133	Valve #133	100%	Lump Sum	\$12,900.00	\$12,900.00	100%	\$12,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,900.00
134	Valve #134	100%	Lump Sum	\$12,900.00	\$12,900.00	100%	\$12,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,900.00
135	Valve #135	100%	Lump Sum	\$12,700.00	\$12,700.00	100%	\$12,700.00	100%	\$12,700.00	0%	\$0.00	100%	\$12,700.00	0%	\$0.00
136	Valve #136	100%	Lump Sum	\$12,100.00	\$12,100.00	100%	\$12,100.00	100%	\$12,100.00	0%	\$0.00	100%	\$12,100.00	0%	\$0.00
137	Valve #137	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	100%	\$15,900.00	0%	\$0.00
138	Valve #138	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,800.00
139	Valve #139	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,200.00
140	Valve #140	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,500.00
141	Valve #141	100%	Lump Sum	\$14,300.00	\$14,300.00	100%	\$14,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$14,300.00
142	Valve #142	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,500.00
143	Valve #143	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,400.00
144	Valve #144	100%	Lump Sum	\$49,900.00	\$49,900.00	100%	\$49,900.00	100%	\$49,900.00	100%	\$49,900.00	0%	\$0.00	0%	\$0.00
145	Valve #145	100%	Lump Sum	\$14,500.00	\$14,500.00	100%	\$14,500.00	100%	\$14,500.00	100%	\$14,500.00	0%	\$0.00	0%	\$0.00
146	Valve #146	100%	Lump Sum												

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-9631 \$462,562.45
WF-3520 (\$46,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
161	Valve #161	100%	Lump Sum	\$17,800.00	\$17,800.00	100%	\$17,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$17,800.00
162	Valve #162	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
163	Valve #163	100%	Lump Sum	\$17,200.00	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	100%	\$0.00	0%	\$0.00
164	Valve #164	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$0.00	0%	\$0.00
165	Valve #165	100%	Lump Sum	\$11,900.00	\$11,900.00	100%	\$11,900.00	100%	\$11,900.00	100%	\$11,900.00	100%	\$0.00	0%	\$0.00
166	Valve #166	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00
167	Valve #167	100%	Lump Sum	\$15,300.00	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	0%	\$0.00	0%	\$0.00
168	Valve #168	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$0.00	0%	\$0.00
169	Valve #169	100%	Lump Sum	\$17,700.00	\$17,700.00	100%	\$17,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$17,700.00
170	Valve #170	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00
171	Valve #171	100%	Lump Sum	\$18,400.00	\$18,400.00	100%	\$18,400.00	100%	\$18,400.00	100%	\$18,400.00	100%	\$0.00	0%	\$0.00
172	Valve #172	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00
173	Valve #173	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00
174	Valve #174	100%	Lump Sum	\$17,700.00	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	0%	\$0.00	0%	\$0.00
175	Valve #175	100%	Lump Sum	\$18,200.00	\$18,200.00	100%	\$18,200.00	100%	\$18,200.00	100%	\$18,200.00	0%	\$0.00	0%	\$0.00
176	Valve #176	100%	Lump Sum	\$16,900.00	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	0%	\$0.00	0%	\$0.00
177	Valve #177	100%	Lump Sum	\$17,700.00	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	100%	\$0.00	0%	\$0.00
178	Valve #178	100%	Lump Sum	\$16,800.00	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	0%	\$0.00	0%	\$0.00
179	Valve #179	100%	Lump Sum	\$16,800.00	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	0%	\$0.00	0%	\$0.00
180	Valve #180	100%	Lump Sum	\$45,400.00	\$45,400.00	100%	\$45,400.00	100%	\$45,400.00	0%	\$0.00	100%	\$45,400.00	0%	\$0.00
181	Valve #181	100%	Lump Sum	\$12,800.00	\$12,800.00	100%	\$12,800.00	100%	\$12,800.00	100%	\$12,800.00	0%	\$0.00	0%	\$0.00
182	Valve #182	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$0.00	0%	\$0.00
183	Valve #183	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	100%	\$0.00	0%	\$0.00
184	Valve #184	100%	Lump Sum	\$12,600.00	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	100%	\$0.00	0%	\$0.00
185	Valve #185	100%	Lump Sum	\$13,500.00	\$13,500.00	100%	\$13,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,500.00
186	Valve #186	100%	Lump Sum	\$12,600.00	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	0%	\$0.00	0%	\$0.00
187	Valve #187	100%	Lump Sum	\$12,400.00	\$12,400.00	100%	\$12,400.00	100%	\$12,400.00	100%	\$12,400.00	0%	\$0.00	0%	\$0.00
188	Valve #188	100%	Lump Sum	\$14,900.00	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	0%	\$0.00	0%	\$0.00
189	Valve #189	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
190	Valve #190	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
191	Valve #191	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
192	Valve #192	100%	Lump Sum	\$15,100.00	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	0%	\$0.00	0%	\$0.00
193	Valve #193	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
194	Valve #194	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
195	Valve #195	100%	Lump Sum	\$15,000.00	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	0%	\$0.00	0%	\$0.00
196	Valve #196	100%	Lump Sum	\$15,100.00	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	0%	\$0.00	0%	\$0.00
197	Valve #197	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
198	Valve #198	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
199	Valve #199	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
200	Valve #200	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
201	Valve #201	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
202	Valve #202	100%	Lump Sum	\$11,400.00	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	0%	\$0.00	0%	\$0.00
203	Valve #203	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00
204	Valve #204	100%	Lump Sum	\$17,700.00	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	100%	\$17,700.00	0%	\$0.00	0%	\$0.00
205	Valve #205	100%	Lump Sum	\$17,200.00	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	0%	\$0.00	0%	\$0.00
206	Valve #206	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00
207	Valve #207	100%	Lump Sum	\$15,200.00	\$15,200.00	100%	\$15,200.00	100%	\$15,200.00	100%	\$15,200.00	0%	\$0.00	0%	\$0.00
208	Valve #208	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00
209	Valve #209	100%	Lump Sum	\$17,200.00	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	0%	\$0.00	0%	\$0.00
210	Valve #210	100%	Lump Sum	\$19,500.00	\$19,500.00	100%	\$19,500.00	100%	\$19,500.00	100%	\$19,500.00	0%	\$0.00	0%	\$0.00
211	Valve #211	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00
212	Valve #212	100%	Lump Sum	\$17,600.00	\$17,600.00	100%	\$17,600.00	100%	\$17,600.00	100%	\$17,600.00	0%	\$0.00	0%	\$0.00
213	Valve #213	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
214	Valve #214	100%	Lump Sum	\$12,000.00	\$12,000.00	100%	\$12,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,000.00
215	Valve #215	100%	Lump Sum	\$15,000.00	\$15,000.00	100%	\$15,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,000.00
216	Valve #216	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,800.00
217	Valve #217	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
218	Valve #218	100%	Lump Sum	\$26,200.00	\$26,200.00	100%	\$26,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$26,200.00
219	Valve #219	100%	Lump Sum	\$15,400.00	\$15,400.00	100%	\$15,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,400.00
220	Valve #220	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00
221	Valve #221	100%	Lump Sum	\$15,400.00	\$15,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
222	Valve #222	100%	Lump Sum	\$12,900.00	\$12,900.00	100%	\$12,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,900.00
223	Valve #223	100%	Lump Sum	\$16,800.00	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	0%	\$0.00	0%	\$0.00
224	Valve #224	100%	Lump Sum	\$25,400.00	\$25,400.00	100%	\$25,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$25,400.00
225	Valve #225	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00
226	Valve #226	100%	Lump Sum	\$25,200.00	\$25,200.00	100%	\$25,200.00	100%	\$25,200.00	100%	\$25,200.00	0%	\$0.00	0%	\$0.00
227	Valve #227	100%	Lump Sum	\$12,400.00	\$12,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
228	Valve #228	100%	Lump Sum	\$11,600.00	\$11,600.00	100%	\$11,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,600.00
229	Valve #229	100%	Lump Sum	\$11,500.00	\$11,500.00	100%	\$11,500.00	100%	\$11,500.00	100%	\$11,500.00	0%	\$0.00	0%	\$0.00
230	Valve #230	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
231	Valve #231	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00
232	Valve #232	100%	Lump Sum	\$15,400.00	\$15,400.00	100%	\$15,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,400.00
233	Valve #233	100%	Lump Sum	\$14,900.00	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	0%	\$0.00	0%	\$0.00
234	Valve #234	100%	Lump Sum	\$18,700.00	\$18,700.00	100%	\$18,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$18,700.00

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-6831 \$462,582.48
WF-3520 (\$48,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
241	Valve #241	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,800.00
242	Valve #242	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,400.00
243	Valve #243	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,800.00
244	Valve #244	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
245	Valve #245	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
246	Valve #246	100%	Lump Sum	\$25,400.00	\$25,400.00	100%	\$25,400.00	100%	\$25,400.00	100%	\$25,400.00	0%	\$0.00	0%	\$0.00
247	Valve #247	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
248	Valve #248	100%	Lump Sum	\$16,900.00	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	100%	\$16,900.00	0%	\$0.00	0%	\$0.00
249	Valve #249	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
250	Valve #250	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
251	Valve #251	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
252	Valve #252	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	70%	\$11,410.00	70%	\$11,410.00	0%	\$0.00	30%	\$4,890.00
253	Valve #253	100%	Lump Sum	\$15,100.00	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	100%	\$15,100.00	0%	\$0.00	0%	\$0.00
254	Valve #254	100%	Lump Sum	\$12,900.00	\$12,900.00	100%	\$12,900.00	100%	\$12,900.00	100%	\$12,900.00	0%	\$0.00	0%	\$0.00
255	Valve #255	100%	Lump Sum	\$47,600.00	\$47,600.00	100%	\$47,600.00	100%	\$47,600.00	100%	\$47,600.00	0%	\$0.00	0%	\$0.00
256	Valve #256	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
257	Valve #257	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,400.00
258	Valve #258	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,900.00
259	Valve #259	100%	Lump Sum	\$15,300.00	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	100%	\$0.00	0%	\$0.00
260	Valve #260	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
261	Valve #261	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00
262	Valve #262	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00
263	Valve #263	100%	Lump Sum	\$17,000.00	\$17,000.00	100%	\$17,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$17,000.00
264	Valve #264	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,800.00
265	Valve #265	100%	Lump Sum	\$16,200.00	\$16,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00
266	Valve #266	100%	Lump Sum	\$11,400.00	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	100%	\$11,400.00	0%	\$0.00	0%	\$0.00
267	Valve #267	100%	Lump Sum	\$12,100.00	\$12,100.00	100%	\$12,100.00	100%	\$12,100.00	100%	\$12,100.00	0%	\$0.00	0%	\$0.00
268	Valve #268	100%	Lump Sum	\$19,100.00	\$19,100.00	100%	\$19,100.00	100%	\$19,100.00	100%	\$19,100.00	100%	\$0.00	0%	\$0.00
269	Valve #269	100%	Lump Sum	\$29,200.00	\$29,200.00	100%	\$29,200.00	100%	\$29,200.00	100%	\$29,200.00	0%	\$0.00	0%	\$0.00
270	Valve #270	100%	Lump Sum	\$28,700.00	\$28,700.00	100%	\$28,700.00	100%	\$28,700.00	100%	\$28,700.00	0%	\$0.00	0%	\$0.00
271	Valve #271	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
272	Valve #272	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
273	Valve #273	100%	Lump Sum	\$17,400.00	\$17,400.00	100%	\$17,400.00	100%	\$17,400.00	100%	\$17,400.00	0%	\$0.00	0%	\$0.00
274	Valve #274	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00
275	Valve #275	100%	Lump Sum	\$25,900.00	\$25,900.00	100%	\$25,900.00	100%	\$25,900.00	100%	\$25,900.00	0%	\$0.00	0%	\$0.00
276	Valve #276	100%	Lump Sum	\$16,700.00	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	100%	\$16,700.00	0%	\$0.00	0%	\$0.00
277	Valve #277	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
278	Valve #278	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00
279	Valve #279	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
280	Valve #280	100%	Lump Sum	\$19,300.00	\$19,300.00	100%	\$19,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$19,300.00
281	Valve #281	100%	Lump Sum	\$25,200.00	\$25,200.00	100%	\$25,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$25,200.00
282	Valve #282	100%	Lump Sum	\$14,400.00	\$14,400.00	100%	\$14,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$14,400.00
283	Valve #283	100%	Lump Sum	\$25,800.00	\$25,800.00	100%	\$25,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$25,800.00
284	Valve #284	100%	Lump Sum	\$25,400.00	\$25,400.00	100%	\$25,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$25,400.00
285	Valve #285	100%	Lump Sum	\$30,700.00	\$30,700.00	100%	\$30,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$30,700.00
286	Valve #286	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
287	Valve #287	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00
288	Valve #288	100%	Lump Sum	\$16,600.00	\$16,600.00	100%	\$16,600.00	100%	\$16,600.00	100%	\$16,600.00	0%	\$0.00	0%	\$0.00
289	Valve #289	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
290	Valve #290	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
291	Valve #291	100%	Lump Sum	\$19,700.00	\$19,700.00	100%	\$19,700.00	100%	\$19,700.00	100%	\$19,700.00	0%	\$0.00	0%	\$0.00
292	Valve #292	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
293	Valve #293	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
294	Valve #294	100%	Lump Sum	\$15,000.00	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	0%	\$0.00	0%	\$0.00
295	Valve #295	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00
296	Valve #296	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,900.00
297	Valve #297	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,100.00
298	Valve #298	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
299	Valve #299	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
300	Valve #300	100%	Lump Sum	\$13,900.00	\$13,900.00	100%	\$13,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,900.00
301	Valve #301	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,600.00
302	Valve #302	100%	Lump Sum	\$14,900.00	\$14,900.00	100%	\$14,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$14,900.00
303	Valve #303	100%	Lump Sum	\$14,800.00	\$14,800.00	100%	\$14,800.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$14,800.00
304	Valve #304	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
305	Valve #305	100%	Lump Sum	\$20,100.00	\$20,100.00	100%	\$20,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$20,100.00
306	Valve #306	100%	Lump Sum	\$16,600.00	\$16,600.00	100%	\$16,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,600.00
307	Valve #307	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,500.00
308	Valve #308	100%	Lump Sum	\$13,100.00	\$13,100.00	100%	\$13,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,100.00
309	Valve #309	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,100.00
310	Valve #310	100%	Lump Sum	\$15,300.00	\$15,300.00	100%	\$15,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,300.00
311	Valve #311	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,500.00
312	Valve #312	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
313	Valve #313	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00
314	Valve #314	100%	Lump Sum	\$12,600.00	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	100%	\$12,600.00	0%	\$0.00	0%	\$0.00
315	Valve #315	100%	Lump Sum	\$16,000.00	\$16,000.00	100%	\$16,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,000.00

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164ACCOUNT # AMOUNT
WF-6631 \$462,562.48
WF-3520 (\$46,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
321	Valve #321	100%	Lump Sum	\$13,300.00	\$13,300.00	100%	\$13,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,300.00
322	Valve #322	100%	Lump Sum	\$15,300.00	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	100%	\$15,300.00	0%	\$0.00	0%	\$0.00
323	Valve #323	100%	Lump Sum	\$13,100.00	\$13,100.00	100%	\$13,100.00	100%	\$13,100.00	100%	\$13,100.00	0%	\$0.00	0%	\$0.00
324	Valve #324	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00
325	Valve #325	100%	Lump Sum	\$16,800.00	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	100%	\$16,800.00	0%	\$0.00	0%	\$0.00
326	Valve #326	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00
327	Valve #327	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
328	Valve #328	100%	Lump Sum	\$31,200.00	\$31,200.00	100%	\$31,200.00	100%	\$31,200.00	100%	\$31,200.00	0%	\$0.00	0%	\$0.00
329	Valve #329	100%	Lump Sum	\$11,800.00	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	100%	\$11,800.00	0%	\$0.00	0%	\$0.00
330	Valve #330	100%	Lump Sum	\$20,400.00	\$20,400.00	100%	\$20,400.00	100%	\$20,400.00	100%	\$20,400.00	0%	\$0.00	0%	\$0.00
331	Valve #331	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00
332	Valve #332	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
333	Valve #333	100%	Lump Sum	\$12,300.00	\$12,300.00	100%	\$12,300.00	100%	\$12,300.00	100%	\$12,300.00	0%	\$0.00	0%	\$0.00
334	Valve #334	100%	Lump Sum	\$11,300.00	\$11,300.00	100%	\$11,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,300.00
335	Valve #335	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
336	Valve #336	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	0%	\$0.00
337	Valve #337	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00
338	Valve #338	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
339	Valve #339	100%	Lump Sum	\$16,200.00	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	100%	\$16,200.00	0%	\$0.00	0%	\$0.00
340	Valve #340	100%	Lump Sum	\$15,000.00	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	100%	\$15,000.00	0%	\$0.00	0%	\$0.00
341	Valve #341	100%	Lump Sum	\$24,800.00	\$24,800.00	100%	\$24,800.00	100%	\$24,800.00	100%	\$24,800.00	0%	\$0.00	0%	\$0.00
342	Valve #342	100%	Lump Sum	\$15,600.00	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	100%	\$15,600.00	0%	\$0.00	0%	\$0.00
343	Valve #343	100%	Lump Sum	\$13,000.00	\$13,000.00	100%	\$13,000.00	100%	\$13,000.00	100%	\$13,000.00	0%	\$0.00	0%	\$0.00
344	Valve #344	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	0%	\$0.00
345	Valve #345	100%	Lump Sum	\$11,600.00	\$11,600.00	100%	\$11,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,600.00
346	Valve #346	100%	Lump Sum	\$11,900.00	\$11,900.00	100%	\$11,900.00	100%	\$11,900.00	0%	\$0.00	100%	\$11,900.00	0%	\$0.00
347	Valve #347	100%	Lump Sum	\$21,200.00	\$21,200.00	100%	\$21,200.00	100%	\$21,200.00	0%	\$0.00	100%	\$21,200.00	0%	\$0.00
348	Valve #348	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	100%	\$16,300.00	0%	\$0.00	100%	\$16,300.00	0%	\$0.00
349	Valve #349	100%	Lump Sum	\$28,700.00	\$28,700.00	100%	\$28,700.00	100%	\$28,700.00	0%	\$0.00	100%	\$28,700.00	0%	\$0.00
350	Valve #350	100%	Lump Sum	\$16,400.00	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	100%	\$16,400.00	0%	\$0.00	0%	\$0.00
351	Valve #351	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00
352	Valve #352	100%	Lump Sum	\$15,200.00	\$15,200.00	100%	\$15,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,200.00
353	Valve #353	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,100.00
354	Valve #354	100%	Lump Sum	\$14,600.00	\$14,600.00	100%	\$14,600.00	100%	\$14,600.00	0%	\$0.00	100%	\$14,600.00	0%	\$0.00
355	Valve #355	100%	Lump Sum	\$36,300.00	\$36,300.00	100%	\$36,300.00	100%	\$36,300.00	0%	\$0.00	100%	\$36,300.00	0%	\$0.00
356	Valve #356	100%	Lump Sum	\$26,900.00	\$26,900.00	100%	\$26,900.00	100%	\$26,900.00	0%	\$0.00	100%	\$26,900.00	0%	\$0.00
357	Valve #357	100%	Lump Sum	\$15,800.00	\$15,800.00	100%	\$15,800.00	100%	\$15,800.00	0%	\$0.00	100%	\$15,800.00	0%	\$0.00
358	Valve #358	100%	Lump Sum	\$16,500.00	\$16,500.00	100%	\$16,500.00	100%	\$16,500.00	0%	\$0.00	100%	\$16,500.00	0%	\$0.00
359	Valve #359	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	100%	\$15,500.00	0%	\$0.00	100%	\$15,500.00	0%	\$0.00
360	Valve #360	100%	Lump Sum	\$12,300.00	\$12,300.00	100%	\$12,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,300.00
361	Valve #361	100%	Lump Sum	\$16,300.00	\$16,300.00	100%	\$16,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$16,300.00
362	Valve #362	100%	Lump Sum	\$19,000.00	\$19,000.00	100%	\$19,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$19,000.00
363	Valve #363	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
364	Valve #364	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	100%	\$15,900.00	0%	\$0.00
365	Valve #365	100%	Lump Sum	\$16,100.00	\$16,100.00	100%	\$16,100.00	100%	\$16,100.00	0%	\$0.00	100%	\$16,100.00	0%	\$0.00
366	Valve #366	100%	Lump Sum	\$28,400.00	\$28,400.00	100%	\$28,400.00	100%	\$28,400.00	0%	\$0.00	100%	\$28,400.00	0%	\$0.00
367	Valve #367	100%	Lump Sum	\$15,500.00	\$15,500.00	100%	\$15,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,500.00
368	Valve #368	100%	Lump Sum	\$0.00	\$0.00	100%	\$0.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$0.00
369	Valve #369	100%	Lump Sum	\$12,900.00	\$12,900.00	100%	\$12,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,900.00
370	Valve #370	100%	Lump Sum	\$25,500.00	\$25,500.00	100%	\$25,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$25,500.00
371	Valve #371	100%	Lump Sum	\$11,900.00	\$11,900.00	100%	\$11,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$11,900.00
372	Valve #372	100%	Lump Sum	\$15,700.00	\$15,700.00	100%	\$15,700.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$15,700.00
373	Valve #373	100%	Lump Sum	\$20,600.00	\$20,600.00	100%	\$20,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$20,600.00
374	Valve #374	100%	Lump Sum	\$12,300.00	\$12,300.00	100%	\$12,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,300.00
375	Valve #375	100%	Lump Sum	\$11,900.00	\$11,900.00	100%	\$11,900.00	100%	\$11,900.00	100%	\$11,900.00	0%	\$0.00	0%	\$0.00
376	Valve #376	100%	Lump Sum	\$15,900.00	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	100%	\$15,900.00	0%	\$0.00	0%	\$0.00
377	Valve #377	100%	Lump Sum	\$26,100.00	\$26,100.00	100%	\$26,100.00	100%	\$26,100.00	100%	\$26,100.00	0%	\$0.00	0%	\$0.00
378	Valve #378	100%	Lump Sum	\$13,700.00	\$13,700.00	100%	\$13,700.00	100%	\$13,700.00	100%	\$13,700.00	0%	\$0.00	0%	\$0.00
379	Valve #379	100%	Lump Sum	\$17,200.00	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	100%	\$17,200.00	0%	\$0.00	0%	\$0.00
380	Valve #380	100%	Lump Sum	\$12,500.00	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	100%	\$12,500.00	0%	\$0.00	0%	\$0.00
381	Valve #381	100%	Lump Sum	\$47,900.00	\$47,900.00	100%	\$47,900.00	100%	\$47,900.00	100%	\$47,900.00	0%	\$0.00	0%	\$0.00
382	Valve #382	100%	Lump Sum	\$18,500.00	\$18,500.00	100%	\$18,500.00	100%	\$18,500.00	100%	\$18,500.00	0%	\$0.00	0%	\$0.00
383	Valve #383	100%	Lump Sum	\$12,600.00	\$12,600.00	100%	\$12,600.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$12,600.00
384	Valve #384	100%	Lump Sum	\$14,900.00	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	100%	\$14,900.00	0%	\$0.00	0%	\$0.00
385	Valve #385	100%	Lump Sum	\$13,300.00	\$13,300.00	100%	\$13,300.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$13,300.00
386	Valve #386	100%	Lump Sum	\$47,800.00	\$47,800.00	100%	\$47,800.00	100%	\$47,800.00	100%	\$47,800.00	0%	\$0.00	0%	\$0.00
387	Step 5 - Dewatering of Owner's Water Main	1,700,000	C.F.	\$0.18	\$306,000.00	1,700,000	\$306,000.00	137,165	\$24,639.33	59,505	\$10,764.84	77,361	\$13,925.04	1,562,334	\$231,310.12
388	Step 6 - Repair Exterior Leakage of Resilient Wedge Valve	35	EA.	\$2,043.00	\$71,630.00	35	\$71,630.00	31	\$63,433.00	28	\$57,344.00	3	\$6,144.00	4	\$3,192.00
389	Step 3 - Retirement of Resilient Wedge Valve	20	EA.	\$2,093.00	\$41,560.00	20	\$41,560.00	0	\$0.00	0	\$0.00	0	\$0.00	20	\$41,560.00
390	Step 7 - Remove and Replace 6" Resilient Wedge Valves	20	EA.	\$2,650.00	\$53,000.00	20	\$53,000.00	1	\$2,650.00	1	\$2,650.00	0	\$0.00	19	\$50,350.00
391	Step 7 - Remove and Replace 8" Resilient Wedge Valves	20	EA.	\$2,945.00	\$58,900.00	20	\$58,900.00	2	\$5,590.00	0	\$0.00	2	\$5,590.00	18	\$53,010.00
392	Step 7 - Remove and Replace 12" Resilient Wedge Valves	20	EA.	\$3,661.00	\$73,220.00	20	\$73,220.00	0	\$0.00	0	\$0.00	0	\$0.00	20	\$73,220.00
393	Step 5 - Remove and Replace	15	EA.	\$2,200.00	\$33,000.00	15	\$33,000.00	3	\$6,500.00	3	\$6,500.00	0	\$0.00	15	\$33,000.00

BLOW OFF VALVE REPAIR (BOV-1)

DATE 11/30/03

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-6631 \$462,562.43
WF-3520 (\$46,256.24)
WF-3530 (\$4,230.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
384	Initial Anodes for Corrosion Control	965	EA.	\$1.00	\$965.00	965	\$965.00	563	\$563.00	512	\$512.00	51	\$51.00	402	\$402.00
385	Traffic Control and Protection	100%	Lump Sum	\$279,375.00	\$279,375.00	97%	\$271,453.00	68%	\$155,679.30	61%	\$171,673.86	6%	\$17,005.44	30%	\$32,803.70
386	Additional Anodes for Corrosion Control	60	EA.	\$1.00	\$60.00	60	\$60.00	0	\$0.00	0	\$0.00	0	\$0.00	60	\$60.00
387	Repair of Damage to exterior coating of prestress conc pipe	250	S.F.	\$230.00	\$57,500.00	250	\$57,500.00	31	\$7,222.00	31	\$7,222.00	0	\$0.00	219	\$50,278.00
I-1	Granular Foundation Material	1,000	C.Y.	\$30.80	\$30,800.00	1,000	\$30,800.00	0	\$0.00	0	\$0.00	0	\$0.00	1,000	\$30,800.00
I-2	Class "SI" Concrete	100	C.Y.	\$100.00	\$10,000.00	100	\$10,000.00	0	\$0.00	0	\$0.00	0	\$0.00	100	\$10,000.00
I-3	Class B Concrete	100	C.Y.	\$80.00	\$8,000.00	100	\$8,000.00	0	\$0.00	0	\$0.00	0	\$0.00	100	\$8,000.00
I-4	Extension Stem	70	EA.	\$342.00	\$23,940.00	70	\$23,940.00	70	\$23,940.00	68	\$23,256.00	2	\$684.00	0	\$0.00
I-5	Valve Box with Cover	15	EA.	\$469.00	\$7,035.00	15	\$7,035.00	15	\$7,035.00	15	\$7,035.00	0	\$0.00	0	\$0.00
I-6	Valve Box Cover	50	EA.	\$100.00	\$5,000.00	50	\$5,000.00	2	\$200.00	2	\$200.00	0	\$0.00	48	\$4,800.00
I-7	Pavement, remove & replace—portland cement concrete surface	15	S.Y.	\$200.00	\$3,000.00	15	\$3,000.00	6	\$1,155.56	6	\$1,155.56	0	\$0.00	9	\$1,844.44
I-8	Pavement, remove & replace—bituminous concrete surface—Rigid Base	15	S.Y.	\$100.00	\$1,500.00	15	\$1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	15	\$1,500.00
I-9	Pavement, remove & replace—bituminous concrete surface—Flexible Base (R A M)	15	S.Y.	\$100.00	\$1,500.00	15	\$1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	15	\$1,500.00
I-10	Pavement, remove & replace—bituminous concrete surface—Flexible Base (Ancremate)	15	S.Y.	\$100.00	\$1,500.00	15	\$1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	15	\$1,500.00
CO 1	Extra lead wire	0	L.F.	\$2.00	\$0.00	354	\$708.00	233	\$466.00	212	\$424.00	21	\$42.00	121	\$242.00
CO 1	Silicone around junction box and installation of box into frame and lid	0	L.F.	\$3.00	\$0.00	354	\$1,062.00	233	\$699.00	212	\$636.00	21	\$63.00	121	\$363.00
CO 2	Additional valve boxes	0	EA.	\$469.00	\$0.00	100	\$46,900.00	100	\$46,900.00	92	\$43,145.00	8	\$3,755.00	0	\$0.00
CO 3	Delete valves #6, 12, 100, 101, 116, 123, 126, 221, 227 and deletes 9 of 354 traffic control sites.						Items 6, 12, 100, 101, 116, 123, 126, 221, 227, and 395 adjusted above								
CO 4	Additional Valve Boxes and Covers	0	EA.	\$469.00	\$0.00	100	\$46,900.00	2	\$938.00	0	\$0.00	2	\$938.00	98	\$45,962.00
CO 4	Additional Valve Stems	0	EA.	\$342.00	\$0.00	100	\$34,200.00	4	\$1,368.00	0	\$0.00	4	\$1,368.00	96	\$32,832.00
CO 5	Repair 18" Conc. Pipe: Site #259	0%	Lump Sum	\$4,541.30	\$0.00	100%	\$4,541.30	1	\$4,541.30	1	\$4,541.30	0	\$0.00	0	\$0.00
CO 6	Delete valves #49, 117, 265, 37 and 1 Traffic Control Site.						Items 49, 117, 265, 37, and 395 adjusted above								
CO 6	Valve #387	0%	Lump Sum	\$18,400.00	\$0.00	100%	\$18,400.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$18,400.00
CO 6	Valve #388	0%	Lump Sum	\$24,500.00	\$0.00	100%	\$24,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$24,500.00
CO 6	Valve #389	0%	Lump Sum	\$27,900.00	\$0.00	100%	\$27,900.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	100%	\$27,900.00



DuPage Water Commission

MEMORANDUM

TO: General Manager

FROM: Robert L. Martin

DATE: November 26, 2003

SUBJECT: AM/FM/GIS

At the November 13, 2003 Engineering Committee staff was requested to prepare a recommendation to implement a Geographical Informational System (GIS).

GIS is a system of hardware, software and procedures designed to support the capture, management, manipulation, analysis, modeling and display of spatially-referenced data for solving complex planning and management problems.¹

Presently the Commission's "Record Drawings" are in paper form. The updating of the drawings is made difficult by the fact that DuPage County is a rapidly growing County. Pipelines originally installed in two lane roads are now located under four lane roads. GIS allows changes to be made more rapidly.

The following is a list of tangible benefits for operating a GIS:

- Increased productivity through reduced labor in map preparation and update.
- Increased productivity through access to information for analyses involving plant, such as network studies.
- Improved engineering and operations efficiency in maintenance and system upgrades, resulting in reduced plant investment.
- Decreased dependence on expensive centralized mainframe computing environments.
- Avoided costs in replacing or improving existing paper records that may have deteriorated over time, or in consolidating records that have never been consistent².

The following is a description of a systematic approach to implementing a GIS. This description corresponds with the attached project schedule.

¹ NCGIA lecture by David Cowen, 1989

² Costs and benefits: Implementing an AM/FM/GIS, GITA 1998

AM/FM - GIS Needs Assessment

During this assessment the Commission would employ a GIS Consultant to review the specific needs of the Commission regarding automated mapping and facilities management (AM/FM) and GIS. At the conclusion of this assessment the Commission will know hardware and software requirements as well as staffing requirements. In addition to the hardware/software and staffing requirements, the standards by which the data is to be collected and maintained will be established in this phase.

DWC Staffing

During the GIS Needs Assessment the Commission will evaluate any personnel requirements related to developing and maintaining a GIS.

GPS and AM/FM Data Collection

This phase of the project involves the use of GPS (global positioning system) surveying. Each of the Commission's distribution system facilities will be surveyed using GPS surveying equipment. The logical engineering firm to perform this type of work is Alvord, Burdick & Howson, the engineers that designed and supervised the construction of the distribution system. GPS surveying involves the use of surveying equipment that uses satellites to locate Commission facilities.







This work can begin immediately and a Work Task Order No. 17 appears on the Commission's December 11, 2003 agenda.

AM/FM - GIS Systems Implementation

Based upon the results of the needs assessment the Commission needs to retain the services of a GIS consultant to implement a GIS for the Commission. This consultant will work closely with the Commission. During this phase the Commission will convert the information for 150 miles of distribution system contained on hand drawn sheets into electronic format so the information can be updated and reproduced easily. The Commission will use the County of DuPage GIS as a base for its distribution system. This data entry or conversion can be the most costly part of a GIS project. It can take months or even years to initially collect and covert data.³

It is important to realize that a GIS is a long term commitment. Not only does it take a long time to implement such a system, but also it is important to maintain the accuracy of such a system by constantly updating this system.

³ Loclyn Anderson and Mark Haro, City of Tallahassee, Utility Support Services GIS, *What is GIS?*, GITA 1997

ID	6	Task Name	Duration	Start	Finish	Jan '04	Feb '04	Mar '04	Apr '04
1		AM/FM - GIS Systems Project	672 days	Fri 1/2/04	Mon 7/31/06				
2		AM/FM - GIS Needs Assessment	238 days	Fri 1/2/04	Tue 11/30/04				
3		Preparation of RFP - GIS Consultant	21 days	Fri 1/2/04	Fri 1/30/04				
4		DWC Review of Consultant Proposals	23 days	Mon 3/1/04	Wed 3/31/04				
5		Potential Consultant Interviews	22 days	Thu 4/1/04	Fri 4/30/04				
6		Select Consultant	21 days	Mon 5/3/04	Mon 5/31/04				
7		Perform Needs Assessment	131 days	Tue 6/1/04	Tue 11/30/04				
8		DWC Staffing	30 days	Mon 11/1/04	Fri 12/10/04				
9		Employment Advertising	10 days	Mon 11/1/04	Fri 11/12/04				
10		Candidate Interviews	10 days	Mon 11/15/04	Fri 11/26/04				
11		Select/Hire Staff	10 days	Mon 11/29/04	Fri 12/10/04				
12		GPS and AM/FM Data Collection	325 days	Fri 1/2/04	Thu 3/31/05				
13		GPS Survey and Data Collection	64 days	Fri 1/2/04	Wed 3/31/04				
14		AM/FM Data Collection	64 days	Wed 12/1/04	Mon 2/28/05				
15		RFP for Data Conversion	23 days	Wed 12/1/04	Fri 12/31/04				
16		Data Conversion	64 days	Mon 1/3/05	Thu 3/31/05				
17		AM/FM - GIS Systems Implementation	434 days	Wed 12/1/04	Mon 7/31/06				
18		AM/FM - GIS Contractor Selection Phase	87 days	Wed 12/1/04	Thu 3/31/05				
19		Prepare RFP for Contractor	23 days	Wed 12/1/04	Fri 12/31/04				
20		DWC Review of Contractor Proposals	10 days	Mon 1/3/05	Fri 1/14/05				
21		Select Contractor	11 days	Mon 1/17/05	Mon 1/31/05				
22		Acquisition of Hardware & Software	43 days	Tue 2/1/05	Thu 3/31/05				
23		AM/FM - GIS Pilot Phase	65 days	Fri 4/1/05	Thu 6/30/05				
24		Load and Operate AM/FM - GIS Pilot	21 days	Fri 4/1/05	Fri 4/29/05				
25		Pilot Phase QA/QC	44 days	Mon 5/2/05	Thu 6/30/05				
26		AM/FM - GIS Full System Start-Up Phase	21 days	Fri 7/1/05	Fri 7/29/05				
27		AM/FM - GIS Full System Start-Up	21 days	Fri 7/1/05	Fri 7/29/05				
28		AM/FM - GIS System Operation and Training Phase	261 days	Mon 8/1/05	Mon 7/31/06				
29		Operate and Train DWC Personnel	45 days	Mon 8/1/05	Fri 9/30/05				
30		QA/QC Period	261 days	Mon 8/1/05	Mon 7/31/06				

Project: GIS Draft3 12-02-03
Date: Fri 12/5/03

Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary



Deadline





Project: GIS Draft3 12-02-03
Date: Fri 12/5/03

Task



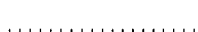
Milestone



External Tasks



Split



Summary



External Milestone



Progress

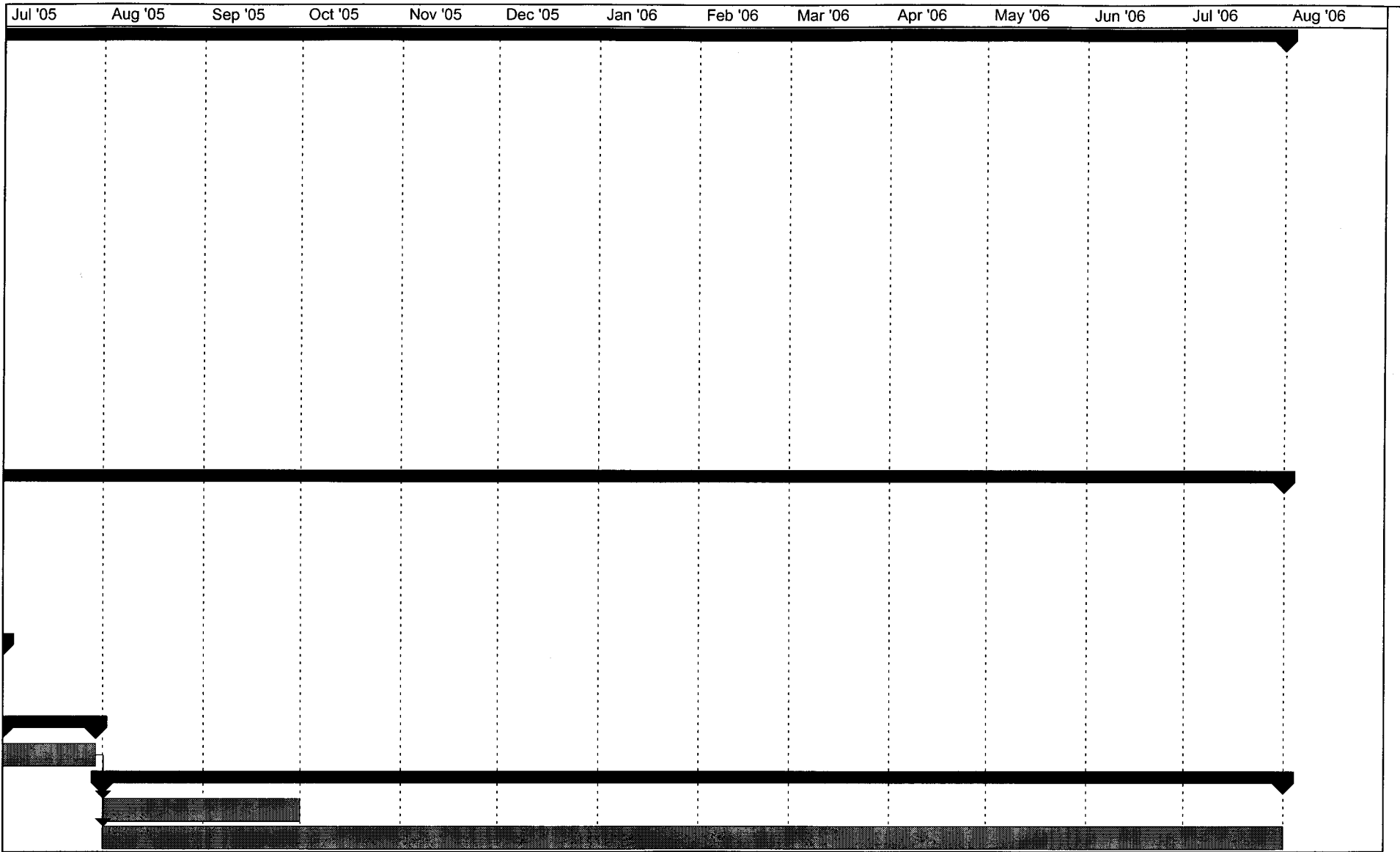


Project Summary



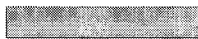







Deadline





Project: GIS Draft3 12-02-03
Date: Fri 12/5/03

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	