



**Request for City Council Committee Action
From the Department of Public Works**

Date: April 4, 2006
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Subject: Amendment to Contract with Control Assemblies for the Fridley Filter Plant System Control and Data Acquisition System

Recommendation:

Authorize the proper City Officials to amend Contract C20079 with Control Assemblies to;

A. Increase the Contract value by \$70,176.02 to a total of \$1,570,731.57.

Funds are available within the existing project budget (Fund 740, agency 950, Org 9515, Job number D5298030.)

Previous Directives:

- November 17, 2003: Accept the low bid of Control Assemblies Company in the amount of \$1,500,555.55 to furnish and deliver all labor, materials, equipment and incidentals necessary to install a system control and data acquisition system (SCADA).

Prepared by: Rob Verke, P.E. Engineer II, Engineering Services 661-4905

Approved by:

Klara Fabry, P.E., City Engineer, Director of Public Works

Presenters: Rob Verke, P.E. Engineer II, Engineering Services 661-4905

Permanent Review Committee (PRC)	Approval _____	Not applicable	<u> X </u>
Policy review Group (PRG)	Approval _____	Not applicable	<u> X </u>

Financial Impact (Check those that apply)

- No financial impact - or - Action is within current department budget (If checked, go directly to Background/Supporting Information)
- Action requires an appropriation increase to the Capital Budget
- Action requires an appropriation increase to the Operating Budget
- Action provides increased revenue for appropriation increase
- Action requires use of contingency or reserves
- Business Plan: Action is within the plan. Action requires a change to plan.
- Other financial impact (Explain):
- Request provided to department's Finance Dept. contact when provided to the Committee Coordinator

Fabry

Community Impact

Neighborhood Notification: Not Applicable
City Goals: Maintain the physical infrastructure to ensure a healthy, vital and safe city
Comprehensive Plan: Not Applicable
Zoning Code: Not Applicable

Background/Supporting Information

Public Works is requesting that the proper City Officials be directed to execute an amendment to Contract # C20079 with Control Assemblies Re-establishing the original contract terms and increasing the Contract value in the amount of \$70,176.02 to a total Contract value of \$1,570,731.57. The cost increases are due to additional work required uncovered during the execution of the work. Cost increases are based upon unit pricing submitted at the time of the bid as follows,

5/10/2004	Add cost for an additional network switch enclosure	\$	3,890.00
5/11/2004	Add cost for 480 volt filter table electrical panels	\$	20,248.60
5/21/2004	Add cost for wash water valve position indication	\$	20,774.20
10/12/2004	Add cost for network switch upgrades	\$	2,191.00
11/4/2004	Add cost for open/close pilot lights	\$	10,492.00
11/8/2004	Add cost for proximity switches	\$	3,786.00
1/10/2005	Add cost to relocate filter level transmitters	\$	2,016.00
2/15/2005	Add cost for filter signal conditioners	\$	1,955.00
2/15/2005	Add cost for new chlorine panels	\$	7,249.00
2/24/2005	Add cost for revised panel alarm lights	\$	1,974.00
2/24/2005	Add cost for water temp	\$	391.00
4/28/2005	Add cost for UPS wiring to all existing instruments	\$	10,159.22
8/7/2005	Deduct cost for background verifications	\$	(950.00)
8/7/2005	Deduct cost for Work deductions	\$	(13,500.00)
8/7/2005	Deduct cost for As-built drawing printing	\$	(500.00)
	Subtotal	\$	70,176.02
	Original Contract Amount	\$	1,500,555.55
	Net increase	\$	70,176.02
	Contract Total	\$	1,570,731.57

Completion of the punch list items was delayed due to maintenance activities within the filter plant.

This project is completed and this amendment will allow for project closure.

Att.: Original Council Action

Cc: Shahin Rezaia Interim Director of Water Services
Rob Verke Engineer II, Engineering services



**Request for City Council Committee Action
From the Department of Public Works and Procurement**

Date: November 17, 2003
 To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
 Referral to: Honorable Barb Johnson, Chair Ways & Means Committee

Subject: Approval of Official Publication No. 6111 - Bids for Filtration Plant System Control and Data Acquisition System

Recommendation:

Acceptance of the low bid of Control Assemblies Company in the amount of \$ 1,500,555.55 to furnish and deliver all labor, materials, equipment and incidentals necessary to install a system control and data acquisition system (SCADA), as follows:

Base Bid			\$ 1,258,183.55
AA2-CL	Chlorine System		23,150.00
AA2-01	Mixing Chamber Influent Gates		3,169.00
AA2-04	Mixing Chamber Fluoride Valves		8,574.00
AA2-06	Coag Basin Level		4,810.00
AA2-07	Mixing Chamber/Coag Basin Effluent		73,497.00
AA2-08	Coag Basin Supernatant Pumps		8,555.00
AA2-09	Filter Particle Level		3,776.00
A2-10	Surface Wash Flow Rates		15,990.00
AA2-12	Ammonia Level Control Chamber		3,510.00
AA2-17	Ferric Pump and Routing Valves		17,360.00
AA2-19	Ferric Measure and Routing Valves		17,100.00
AA2-22	Poly Ortho Phosphate Delivery Valves		8,460.00
AA2-24	Fluoride Delivery Valves		4,320.00
AA2-28	Aqueous Ammonia Tank and Valves		6,160.00
Sub A	Filter Panel PLC's		16,359.00
Sub B	Control Panel PLC's		21,592.00
Sub C	Software	ea 2,995.00	5,990.00

Terms are net 30 days. F.O.B.: Destination.

Further recommend proper Officers be authorized and directed to execute a contract for this project all in accordance with our specifications.

Contingent on approval of the Civil Rights Department.

Prepared by: Gary Warnberg Director, Procurement

Approved by: Klara A. Fabry, P.E. City Engineer, Director of Public Works

Presenters: Adam Kramer Director of Water Treatment and Distribution Services

Offl. Publ.#6111
 Bids opened 10 AM, CDST
 August 21, 2003
 Minneapolis MN

BIDS FOR FILTRATION PLANT SYSTEM CONTROL AND DATA ACQUISITION SYSTEM" - P/W Water

Telemetry Egan + Process Control Inc.	Companie Inc. DBA Egan Mc Kay	Control basem. Co.	Wunderlich Malac Corp Inc	Premier Electrical Corp.
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Bid Deposit - 5%	B	B	B	B	B		
Total Base Bid \$	1,398,062.00	1,810,129.00	1,258,183.55	1,789,205.00	1,231,032.00		
Alternates:							
AA2-CL Chlorine System \$	120,068.48	131,635.00	23,150.00	79,526.00	189,720.00		
AA 2-01 Mixing Chamber \$	3,320.62	2,074.00	3,169.00	1,336.00	2,450.00		
AA 2-02 Filter Influent	2,701.62	4,444.00	2,340.00	3,308.00	13,040.00		
AA 2-03 Mixing Chamber \$	8,248.08	9,305.00	7,053.00	5,989.00	10,600.00		
AA 2-04 Mixing Chamber Fluoride Valves \$	14,392.93	22,022.00	8,574.00	5,086.00	14,780.00		
AA 2-06 Coag Basin Level	5,085.36	7,490.00	4,810.00	13,100.00	6,060.00		
AA 2-07 Mixing Chamber/ Coag Basin Gates \$	46,271.63	91,469.00	73,497.00	47,658.00	21,760.00		
AA 2-08 Coag Basin Supernatant Pumps \$	8,371.32	9,628.00	8,555.00	11,438.00	10,570.00		
AA 2-09 Filter Particle Level \$	4,677.47	7,274.00	3,776.00	11,870.00	6,135.00		
AA 2-09'A Filter Effluent Particle Counters \$	24,510.38	65,283.00	34,640.00	105,577.00	51,000.00		
AA 2-10 Surface Wash Flow Rates \$	4,773.88	16,055.00	15,990.00	14,523.00	3,550.00		
AA 2-12 Ammonia Level Control Chamber \$	2,762.12	5,586.00	3,510.00	5,022.00	2,630.00		
AA2-13 Ferric Delivery Valves \$	16,488.22	40,046.00	12,680.00	17,225.00	28,580.00		
AA2-15 Ferric Tank Valves \$	12,614.34	15,259.00	4,740.00	6,966.00	12,600.00		
AA2-16 Ferric Transfer Pump Valves \$	5,970.53	7,351.00	1,970.00	6,505.00	5,520.00		
AA 2-17 Ferric Pump and Routing Valves \$	35,761.73	53,201.00	17,360.00	9,900.00	41,750.00		
AA2-18 Ferric Duplex Pump Pressure & Valve \$	32,389.93	46,225.00	24,990.00	47,069.00	42,620.00		
AA2-19 Ferric Measure and Routing Valves \$	37,721.72	47,071.00	17,100.00	19,625.00	41,260.00		
AA 2-20 Poly Ortho Phosphate Valves \$	4,062.99	5,965.00	2,100.00	4,146.00	4,320.00		