



500 West Big Beaver  
Troy, MI 48084  
troymi.gov

J-04b

## CITY COUNCIL AGENDA ITEM

Date: April 18, 2019

To: Mark F. Miller, City Manager

From: MaryBeth Murz, Purchasing Manager  
Tom Darling, Director of Financial Services  
Kurt Bovensiep, Public Works Director  
Paul Troser, Water & Sewer Operations Manager

Subject: Award Standard Purchasing Resolution 2: Low Bidder meeting Specifications –  
Sanitary Lift Station Pumps Replacement Project - Water Department

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### **History**

- The City of Troy Water & Sewer Division operates and maintains seven (7) sanitary sewer lift stations throughout the city.
- The continuous, uninterrupted operation of the seven (7) sanitary sewer lift stations is critical to the flow of waste water discharge into the interceptor sewer mains that convey waste water to the waste water treatment facility in Detroit.
- The existing pumps and check valves are approximately 25 years old.
- The pump controls and electronics were upgraded approximately 8 years ago, and are fully compatible with this pump upgrade.
- Replacing the existing pumps (Allis-Chalmers) with the same make and configuration allows for a considerable cost saving by eliminating the reconfiguration of existing piping. Allis-Chalmers pump division was acquired by Flygt (Xylem-AC) pumps.
- The Water Department in conjunction with Hubbell, Roth & Clark, Inc.; consulting engineers developed the bid specifications for the Sanitary Lift Stations Pump Replacement Project,
- On April 8, 2019 City Council approved the pre-purchase of the pumps and check valves for use in the Sanitary Lift Station Pump Replacement Project, (Resolution #2019-04039-J-7) in the amount of \$365,762.00.
- The pre-purchase of the pumps and check valves provided an overall project cost savings and project time savings for the City.

### **Purchasing**

- On April 18, 2019; a bid opening was conducted as required by City Charter/Code and bid proposals were received at the City's request from firms interested in the Sanitary Sewer Lift Station Pump Replacement Project for the City of Troy.
- Companies were notified via the Michigan Intergovernmental Trade Network (MITN); [www.mitn.info](http://www.mitn.info).
- 1,357 vendors were notified via the MITN website.



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## Purchasing (continued)

- Three (3) bid response was received. Below is a detailed summary of the vendor responses.

<b>Companies notified via MITN</b>	35
Troy Companies notified via MITN	34
Troy Companies notified - Active email Notification	1
Troy Companies - Active Free	7
<b>Companies that viewed the bid</b>	270
Troy Companies that viewed the bid	1

**MITN** provides a resourceful online platform to streamline the procurement process, reduce costs, and make it easier and more transparent for vendors to do business with the City of Troy. **Active MITN** members with a current membership and paying annual dues receive automatic electronic notification which allows instant access to Bids, RFPS and Quote opportunities with the City. **Active MITN non-paying** members are responsible to monitor and check the MITN website for opportunities to do business with the City. **Inactive MITN member** status can occur when a company does not renew their account upon expiration. Inactive members cannot be notified of solicitations or access any bid information.

- Bids were reviewed in detail in conjunction with the Hubbell, Roth and Clark, Inc., the City's engineering consultant.
- The detailed bid tabulation is attached.
- *Inland Waters Pollution Control, Inc. of Detroit, MI* was the low bidder and meets all bid specifications.
- The *anticipated* construction completion is 9/30/2019.

## Financial

- The total estimated cost for the Sanitary Lift Station Pump Replacement Install is \$507,975.
- This project is planned to be funded over two Fiscal Years.
- In Fiscal Year 2018/2019 it is budgeted and funds are available for the equipment (pumps/check valves) and a partial install of the Lift Station(s). The Account# is 590.527.535.7973.164035 and the Project# is 2019C00053.
- In Fiscal Year 2019/2020 it is in the proposed budgeted for the *balance* of the Lift Station(s) to be installed.

		2018/2019	2019/2020
Budget		\$572,500.00	\$500,000.00
Pumps/Check Valves	\$365,762.00	\$365,762.00	-
Lift Station(s) Install	\$507,975.00	\$206,738.00	\$301,237.00

## Recommendation

City Administration recommends awarding a contract to the low bidder meeting all bid specifications to *Inland Waters Pollution Control, Inc. of Detroit, MI* to complete the Sanitary Lift Station Pump Replacement Project as specified at all six (6) lift stations for an estimated total amount of \$507,975.00 as detailed in the bid tabulation to be installed and completed over the 2018/2019 and 2019/2020 Fiscal Years.

Bid Award 18-19 Award Standard Purchasing Resolution 2 Sanitary Lift Station Pump Replacement Project\_WD\_Memo

CITY OF TROY  
 BID TABULATION  
 SANITARY LIFT STATION PUMP REPLACEMENT PROJECT

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI
CHECK #:	65384760	1898629	46665
CHECK AMOUNT:	\$10,000.00	\$10,000.00	\$10,000.00

PROPOSAL A: DIVISION NO. 1 - LIFT STATION NO. 1 (801 Minnesota)

ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
1.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
1.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
1.3	Pump in Drywell, Remove	Each	1	\$2,600.00	\$2,600.00	\$3,900.00	\$3,900.00	\$10,000.00	\$10,000.00
1.4	Xylem AC 8"x6"x12" LC Pump, 10 HP, 1160 RPM, Install	Each	3	\$2,600.00	\$7,800.00	\$8,000.00	\$24,000.00	\$10,000.00	\$30,000.00
1.5	Check Valve, Remove	Each	3	\$2,600.00	\$7,800.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
1.6	Increasing Swing Check Valve, 6"x10", Flanged, Install	Each	3	\$3,200.00	\$9,600.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
1.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$16,400.00	\$16,400.00
1.8	Concrete Topping	Cyd	2	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$1,500.00	\$3,000.00
1.9	Wall to Floor Joint Repair	Ft	80	\$75.00	\$6,000.00	\$10.00	\$800.00	\$50.00	\$4,000.00
1.10	Access Riser Joint Seal	Ft	120	\$75.00	\$9,000.00	\$6.66	\$799.20	\$50.00	\$6,000.00
1.11	Wall Leaks	Each	8	\$75.00	\$600.00	\$650.00	\$5,200.00	\$50.00	\$400.00
1.12	Wall, Ceiling & Access Riser Steel Surface Coating	Sft	350	\$15.00	\$5,250.00	\$37.44	\$13,104.00	\$40.00	\$14,000.00
1.13	Equipment Pads	Each	3	\$1,500.00	\$4,500.00	\$666.00	\$1,998.00	\$750.00	\$2,250.00
1.14	Intermediate Access Riser Platform Coating	Sft	25	\$65.00	\$1,625.00	\$260.00	\$6,500.00	\$40.00	\$1,000.00
1.15	Pipe Penetrations, Repair	Each	3	\$2,650.00	\$7,950.00	\$216.66	\$649.98	\$100.00	\$300.00
1.16	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
1.17	Electrical Work Station #1, Install	Lsum	1	\$12,500.00	\$12,500.00	\$15,600.00	\$15,600.00	\$12,000.00	\$12,000.00
1.18	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	4	\$2,000.00	25	\$12,500.00
<b>ESTIMATED GRAND TOTAL COST PROPOSAL A -</b>									
<b>DIVISION NO. 1 - LIFT STATION NO. 1 (801 Minnesota)</b>					<b>\$96,925.00</b>		<b>\$105,851.18</b>		<b>\$127,350.00</b>

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI

PROPOSAL B: DIVISION NO. 2 - LIFT STATION NO. 2 (2506 E. Maple)

ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
2.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
2.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
2.3	Pump in Drywell, Remove	Each	2	\$2,600.00	\$5,200.00	\$3,900.00	\$7,800.00	\$10,000.00	\$20,000.00
2.4	Xylem AC 4"x4"x10" LC Pump, 7.5 HP, 900 RPM, Install	Each	2	\$2,600.00	\$5,200.00	\$8,000.00	\$16,000.00	\$10,000.00	\$20,000.00
2.5	Check Valve, Remove	Each	2	\$2,600.00	\$5,200.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
2.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	Each	6	\$3,200.00	\$19,200.00	\$1,000.00	\$6,000.00	\$1.00	\$6.00
2.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$14,900.00	\$14,900.00
2.8	Concrete Topping	Cyd	1	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
2.9	Wall to Floor Joint Repair	Ft	50	\$75.00	\$3,750.00	\$10.00	\$500.00	\$50.00	\$2,500.00
2.10	Access Riser Joint Seal	Ft	120	\$75.00	\$9,000.00	\$6.66	\$799.20	\$50.00	\$6,000.00
2.11	Wall, Ceiling & Access Riser Steel Surface Coating	Sft	175	\$15.00	\$2,625.00	\$37.14	\$6,499.50	\$40.00	\$7,000.00
2.12	Equipment Pads	Each	2	\$1,500.00	\$3,000.00	\$666.00	\$1,332.00	\$600.00	\$1,200.00
2.13	Intermediate Access Riser Platform Coating	Sft	25	\$45.00	\$1,125.00	\$260.00	\$6,500.00	\$40.00	\$1,000.00
2.14	Pipe Supports, Remove and Replace	Each	3	\$1,500.00	\$4,500.00	\$500.00	\$1,500.00	\$150.00	\$450.00
2.15	Pipe Penetrations, Repair	Each	3	\$2,650.00	\$7,950.00	\$216.66	\$649.98	\$100.00	\$300.00
2.16	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
2.17	Electrical Work Station #2, Install	Lsum	1	\$8,500.00	\$8,500.00	\$15,600.00	\$15,600.00	\$9,000.00	\$9,000.00
2.18	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	4	\$2,000.00	25	\$12,500.00
<b>ESTIMATED GRAND TOTAL COST PROPOSAL B - DIVISION NO. 2 - LIFT STATION NO. 2 (2506 E Maple)</b>				<b>\$93,950.00</b>		<b>\$87,980.68</b>		<b>\$107,856.00</b>	

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI

PROPOSAL C: DIVISION NO. 3 – LIFT STATION NO. 3 (2740 Paris)

ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
3.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$3,999.00	\$3,999.00	\$5,000.00	\$5,000.00
3.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
3.3	Pump in Drywell, Remove	Each	3	\$2,600.00	\$7,800.00	\$3,900.00	\$11,700.00	\$10,000.00	\$30,000.00
3.4	Xylem AC 4"x4"x10" LC Pump, 10 HP, 1200 RPM, Install	Each	3	\$2,600.00	\$7,800.00	\$8,000.00	\$24,000.00	\$10,000.00	\$30,000.00
3.5	Check Valve, Remove	Each	3	\$2,600.00	\$7,800.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
3.6	Increasing Swing Check Valve, 4"x8", Flanged, Install	Each	3	\$3,200.00	\$9,600.00	\$1,000.00	\$3,000.00	\$650.00	\$1,950.00
3.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$9,250.00	\$9,250.00
3.8	Concrete Topping	Cyd	1	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
3.9	Wall to Floor Joint Repair	Ft	60	\$75.00	\$4,500.00	\$10.00	\$600.00	\$50.00	\$3,000.00
3.10	Access Riser Joint Seal	Ft	120	\$75.00	\$9,000.00	\$6.66	\$799.20	\$50.00	\$6,000.00
3.11	Equipment Pads	Each	3	\$1,500.00	\$4,500.00	\$666.00	\$1,998.00	\$600.00	\$1,800.00
3.12	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
3.13	Electrical Work Station #3, Install	Lsum	1	\$12,500.00	\$12,500.00	\$15,600.00	\$15,600.00	\$12,000.00	\$12,000.00
3.14	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	5	\$2,500.00	25	\$12,500.00
<b>ESTIMATED GRAND TOTAL COST PROPOSAL C - DIVISION NO. 3 - LIFT STATION NO. 3 (2740 Paris)</b>					<b>\$82,200.00</b>	<b>\$83,996.20</b>	<b>\$120,500.00</b>		

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI

PROPOSAL D: DIVISION NO. 4 - LIFT STATION NO. 4 (3200 Cedar Crest Dr.)

ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
4.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
4.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$1,800.00	\$1,800.00
4.3	Pump in Drywell, Remove	Each	2	\$2,600.00	\$5,200.00	\$3,900.00	\$7,800.00	\$10,000.00	\$20,000.00
4.4	Xylem AC 4"x4"x10" LC Pump, 7.5 HP, 900 RPM, Install	Each	2	\$2,600.00	\$5,200.00	\$8,000.00	\$16,000.00	\$10,000.00	\$20,000.00
4.5	Check Valve, Remove	Each	2	\$2,600.00	\$5,200.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
4.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	Each	2	\$3,200.00	\$6,400.00	\$1,000.00	\$2,000.00	\$650.00	\$1,300.00
4.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$18,400.00	\$18,400.00
4.8	Concrete Topping	Cyd	1	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
4.9	Wall to Floor Joint Repair	Ft	60	\$75.00	\$4,500.00	\$10.00	\$600.00	\$50.00	\$3,000.00
4.10	Access Riser Joint Seal	Ft	120	\$75.00	\$9,000.00	\$6.66	\$799.20	\$50.00	\$6,000.00
4.11	Wall, Ceiling & Access Riser Steel Surface Coating	Sft	200	\$15.00	\$3,000.00	\$37.14	\$7,428.00	\$40.00	\$8,000.00
4.12	Equipment Pads	Each	2	\$1,500.00	\$3,000.00	\$666.00	\$1,332.00	\$600.00	\$1,200.00
4.13	Intermediate Access Riser Platform Coating	Sft	25	\$45.00	\$1,125.00	\$260.00	\$6,500.00	\$40.00	\$1,000.00
4.14	Pipe Supports, Remove and Replace	Each	3	\$1,500.00	\$4,500.00	\$500.00	\$1,500.00	\$150.00	\$450.00
4.15	Pipe Penetrations, Repair	Each	2	\$2,650.00	\$5,300.00	\$216.66	\$433.32	\$100.00	\$200.00
4.16	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
4.17	Electrical Work Station #4, Install	Lsum	1	\$8,500.00	\$8,500.00	\$15,600.00	\$15,600.00	\$9,000.00	\$9,000.00
4.18	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	4	\$2,000.00	25	\$12,500.00
<b>ESTIMATED GRAND TOTAL COST PROPOSAL D - DIVISION NO. 4 - LIFT STATION NO. 4 (3200 Cedar Crest Dr.)</b>				<b>\$79,625.00</b>		<b>\$84,792.52</b>		<b>\$112,850.00</b>	

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI

PROPOSAL E: DIVISION NO. 5 – LIFT STATION NO. 5 (4500 Forsyth)									
ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
5.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
5.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$1,800.00	\$1,800.00
5.3	Pump in Drywell, Remove	Each	2	\$2,600.00	\$5,200.00	\$3,900.00	\$7,800.00	\$10,000.00	\$20,000.00
5.4	Xylem AC 4"x4"x10" LC Pump, 3 HP, 720 RPM, Install	Each	2	\$2,600.00	\$5,200.00	\$8,000.00	\$16,000.00	\$10,000.00	\$20,000.00
5.5	Check Valve, Remove	Each	2	\$2,600.00	\$5,200.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
5.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	Each	2	\$3,200.00	\$6,400.00	\$1,000.00	\$2,000.00	\$650.00	\$1,300.00
5.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$17,080.00	\$17,080.00
5.8	Concrete Topping	Cyd	1	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
5.9	Wall to Floor Joint Repair	Ft	60	\$75.00	\$4,500.00	\$10.00	\$600.00	\$50.00	\$3,000.00
5.10	Access Riser Joint Seal	Ft	120	\$75.00	\$9,000.00	\$6.66	\$799.20	\$50.00	\$6,000.00
5.11	Wall Leaks	Each	10	\$75.00	\$750.00	\$650.00	\$6,500.00	\$50.00	\$500.00
5.12	Wall, Ceiling & Access Riser Steel Surface Coating	Sft	200	\$15.00	\$3,000.00	\$37.14	\$7,428.00	\$40.00	\$8,000.00
5.13	Equipment Pads	Each	2	\$1,500.00	\$3,000.00	\$666.00	\$1,332.00	\$600.00	\$1,200.00
5.14	Intermediate Access Riser Platform Coating	Sft	25	\$45.00	\$1,125.00	\$260.00	\$6,500.00	\$40.00	\$1,000.00
5.15	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
5.16	Electrical Work Station #5, Install	Lsum	1	\$12,000.00	\$12,000.00	\$15,600.00	\$15,600.00	\$12,000.00	\$12,000.00
5.17	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	4	\$2,000.00	25	\$12,500.00
<b>ESTIMATED GRAND TOTAL COST PROPOSAL E - DIVISION NO. 5 - LIFT STATION NO. 5 (4500 Forsyth)</b>				<b>\$74,075.00</b>		<b>\$89,359.20</b>		<b>\$114,380.00</b>	

VENDOR NAME:	Inland Waters Pollution Control, Inc.	Midwest Power Systems, Inc.	Z Contractors, Inc.
CITY:	Detroit, MI	Milford, MI	Shelby Twp, MI

PROPOSAL F: DIVISION NO. 6 - LIFT STATION NO. 6 (758 Stephenson Hwy.)

ITEM	DESCRIPTION	U/M	EST QTY	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL	UNIT PRICE	ESTIMATED TOTAL
6.1	Mobilization, Max. 5%	Lsum	1	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
6.2	Color Audio-Video Route Survey	Lsum	1	\$1,200.00	\$1,200.00	\$2,300.00	\$2,300.00	\$1,800.00	\$1,800.00
6.3	Pump in Drywell, Remove	Each	3	\$2,600.00	\$7,800.00	\$3,900.00	\$11,700.00	\$10,000.00	\$30,000.00
6.4	Xylem AC 4"x4"x10" LC Pump, 10 HP, 1200 RPM, Install	Each	3	\$2,600.00	\$7,800.00	\$8,000.00	\$24,000.00	\$10,000.00	\$30,000.00
6.5	Check Valve, Remove	Each	3	\$2,600.00	\$7,800.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
6.6	Increasing Swing Check Valve, 4"x8", Flanged, Install	Each	3	\$3,200.00	\$9,600.00	\$1,000.00	\$3,000.00	\$650.00	\$1,950.00
6.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	Lsum	1	\$4,000.00	\$4,000.00	\$10,000.00	\$10,000.00	\$9,250.00	\$9,250.00
6.8	Concrete Topping	Cyd	2	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$1,500.00	\$3,000.00
6.9	Wall to Floor Joint Repair	Ft	80	\$75.00	\$6,000.00	\$10.00	\$800.00	\$50.00	\$4,000.00
6.1	Equipment Pads	Each	3	\$1,500.00	\$4,500.00	\$666.00	\$1,998.00	\$600.00	\$1,800.00
6.11	Pipe Supports, Remove and Replace	Each	5	\$1,500.00	\$7,500.00	\$500.00	\$2,500.00	\$150.00	\$750.00
6.12	Structural Rehabilitation Quantity Verification	Lsum	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
6.13	Electrical Work Station #6, Install	Lsum	1	\$8,500.00	\$8,500.00	\$15,600.00	\$15,600.00	\$9,000.00	\$9,000.00
6.14	Observation Crew Days	\$/Days	\$500	10	\$5,000.00	5	\$2,500.00	25	\$12,500.00

<b>ESTIMATED GRAND TOTAL COST PROPOSAL F - DIVISION NO. 6 - LIFT STATION NO. 6 (758 Stephenson Hwy.)</b>	<b>\$81,200.00</b>	<b>\$89,398.00</b>	<b>\$113,550.00</b>
<b>ESTIMATED GRAND TOTAL COST PROPOSALS A - F</b>	<b>\$507,975.00</b>	<b>\$541,377.78</b>	<b>\$696,486.00</b>

ADDENDUMS ACKNOWLEDGED:			
Addendum 1	Y or N	Y	Y
Addendum 2	Y or N	Y	Y
Addendum 3	Y or N	Y	Y
IRAN-LINKED BUSINESS:	Y or N	Y	Y
CERTIFICATION REGARDING DEBARMENT:	Y or N	Y	Y
LEGAL STATUS OF BIDDER:	Y or N	Y	Y
NON-COLLUSION:	Y or N	Y	Y
QUESTIONNAIRE:	Y or N	Y	Y

ATTEST:

Susan K Riesterer  
 Jackie Ahlstrom  
 Paul D Trosper

MaryBeth Murz,  
 Purchasing Manager