

b) **Award Standard Purchasing Resolution 2: Low Bidder Meeting Specifications – Sanitary Lift Station Pumps Replacement Project – Water Department**

Resolution #2019-05-051-J-4b

RESOLVED, That Troy City Council hereby **AWARDS** 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 to be installed and completed over the 2018/2019 and 2019/2020 Fiscal Years as contained in the bid tabulation opened April 18, 2019, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

BE IT FURTHER RESOLVED, That the award is **CONTINGENT** upon the contractor's submission of properly executed bid and contract documents, including Insurance Certificates, and all other specified requirements.

Req. 2019-1...541

- Bids due: 4.18.2019 10am
- Cert. check / cashiers check
- Perf. ^{\$10K} L/M, Maint Bonds Req.
- Project Completion 9.30.2019

PURCHASE ORDER

No. 2019-00001402

DATE: 05/15/2019

PAGE: 1 of 1

FOB DESTINATION

Ship To

CITY OF TROY
Water
4693 ROCHESTER ROAD
TROY, MI 48085

Bill To

CITY OF TROY
Water
4693 ROCHESTER ROAD
TROY, MI 48085

COUNCIL RESOLUTION
2019-05-051-J-4b

VENDOR NO. 171849

Vendor

INLAND WATERS POLLUTION CONTROL, INC.
4086 MICHIGAN AVE.
DETROIT, MI 48210

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1	Lump Sum	SANITARY LIFT STATION PUMPS REPLACEMENT Contract to complete the Sanitary Lift Station Pump Replacement Project as specified at all six (6) lift stations for an estimate total amount of \$507,975.00 as per all Bid Specifications, Pricing and Terms and Conditions. This is a multi-year project to be completed as per the direction of Paul Trosper, Water & Sewer Operations Manager. 248 524 3395.	206,225.8800	\$206,225.88

Entered By: MaryBeth Murz

\$206,225.88

Special Instructions:

CITY COUNCIL AWARD DATE: 5/6/2019. Certificate of Insurance and Endorsement shall be on file for duration of project. Project to be completed over the 2018/2019 AND 2019/2020 Fiscal Years as per all Bid Specifications of ITB-COT 19-26. This is Purchase Order for work to be completed in 2018/2019. A second Purchase Order will be issued for 2019/2020 Fiscal Year.

TERMS & CONDITIONS

1. Purchases of Municipalities are exempt from State Sales and Federal Excise Taxes.
2. Prior to acceptance, vendor agrees to provide City with information under the Right-to-Know Law, P.A. 1986, No. 80, and fully comply with all terms and conditions of the Michigan Occupational Safety and Health Act, MCL 408.1001, et seq. including vendor shall provide City with an "MSDS". Vendor also agrees to be responsible for all required labeling.
3. In cases of emergency/disaster, the City can purchase up to six(6) times the order amount for a period of six(6) months at the price contained in the contract.
4. Purchase Orders are signed electronically based upon computer generated "on-line" authorized approvals. Authentic signatures are on file in the City of Troy Purchasing Department.

NOTICE: The City could put the vendor on notice that vendors will be held financially responsible for any claims or awards made against the City as a result of the vendor's action. If the City has to defend the initial lawsuit, the City will bring in the vendor as a co-defendant or sue the vendor, either as the result of settling a claim or the conclusion of the lawsuit.

I HEREBY CERTIFY THAT THIS ORDER IS PROPERLY AUTHORIZED AND APPROVED.

MaryBeth Murz

Opening Date: 4/18/2019
 Date Reviewed: 4/18/2019

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
ESTIMATED GRAND TOTAL COST PROPOSAL A -									
DIVISION NO. 1 - LIFT STATION NO. 1 (801 Minnesota)					\$96,925.00	\$105,851.18	\$127,350.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL B - DIVISION NO. 2 - LIFT STATION NO. 2 (2506 E Maple)					\$93,950.00	\$87,980.68	\$107,856.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL C - DIVISION NO. 3 - LIFT STATION NO. 3 (2740 Paris)					\$82,200.00	\$83,996.20	\$120,500.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL D -					\$79,625.00		\$84,792.52		\$112,850.00
DIVISION NO. 4 - LIFT STATION NO. 4 (3200 Cedar Crest Dr.)									

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
ESTIMATED GRAND TOTAL COST PROPOSAL E - DIVISION NO. 5 - LIFT STATION NO. 5 (4500 Forsyth)					\$74,075.00		\$89,359.20		\$114,380.00

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

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

ATTEST:
 Susan K Riesterer
 Jackie Ahlstrom
 Paul D Trosper

MaryBeth Murz,
 Purchasing Manager

PLACE: CITY OF TROY
DATE: THURSDAY, APRIL 18, 2019
PROJECT: SANITARY LIFT STATION PUMP REPLACEMENT PROJECT

The proposal of Inland Waters Pollution Control, Inc. (hereinafter called "Bidder") to the City of Troy, Oakland County, Michigan

The Bidder, in compliance with the Advertisement for Bid for the "**SANITARY LIFT STATION PUMP REPLACEMENT PROJECT**", having examined the plans and specifications with related documents and the sites of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the contract documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this proposal is part.

The Bidder affirms that in making such Proposal, neither he nor any company that he may represent nor anyone on behalf of him or the company directly has entered into any combination or collusion, undertaking or agreement with any bidder or bidders to maintain that the prices of said work, or any attempt to prevent any other bidder or bidders from bidding on said contract or work, and further affirms that such proposal is made without regard or reference to any other bidder or proposal and without any agreement or understanding or combination either directly or indirectly with any other person or persons with reference to such bidding in any way or manner whatsoever.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of sixty - (60) calendar days after the scheduled closing time for receiving bids and may not be withdrawn after receiving a "Notice of Award".

The Bidder hereby agrees to commence work under this contract on or before the date to be specified in the written "Notice to Proceed".

The Bidder acknowledges receipt of the following addenda:

No. <u>1</u>	DATED: <u>03/25/19</u>
No. <u>2</u>	DATED: <u>03/26/19</u>
No. <u>3</u>	DATED: <u>04/03/19</u>

City of Troy
500 W. Big Beaver
Troy, Michigan 48084

Bids Due: THURSDAY, APRIL 18, 2019
10:00 A.M., Local Time
Project No. 20180022

The undersigned, as Bidder, declares that he has familiarized himself with the location of the proposed project in the City of Troy. Bidder acknowledges that he has carefully examined the Plans, Specifications, and Contract Documents which he understands and accepts as sufficient for the purpose of constructing the work, and agrees that he will contract with the City of Troy, Oakland County, Michigan to furnish all labor, materials, and equipment necessary to do all the work specified and prescribed, and that he will accept in full payment therefore the sum of:

**CITY OF TROY PROJECT NO. ITB-COT-19-26
 SANITARY LIFT STATION PUMP REPLACEMENT PROJECT**

DIVISION NO. 1 – LIFT STATION NO. 1 (801 Minnesota)

	Item	Quantity			Unit Price		Total Cost
1.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
1.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
1.3	Pump in Drywell, Remove	1	Ea	@	\$ 2,600.00	=	\$ 2,600.00
1.4	Xylem AC 8"x6"x12" LC Pump, 10 HP, 1160 RPM, Install	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
1.5	Check Valve, Remove	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
1.6	Increasing Swing Check Valve, 6"x10", Flanged, Install	3	Ea	@	\$ 3,200.00	=	\$ 9,600.00
1.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
1.8	Concrete Topping	2	Cyd	@	\$ 3,000.00	=	\$ 6,000.00
1.9	Wall to Floor Joint Repair	80	Ft	@	\$ 75.00	=	\$ 6,000.00
1.10	Access Riser Joint Seal	120	Ft	@	\$ 75.00	=	\$ 9,000.00
1.11	Wall Leaks	8	Ea	@	\$ 75.00	=	\$ 600.00
1.12	Wall, Ceiling & Access Riser Steel Surface Coating	350	Sft	@	\$ 15.00	=	\$ 5,250.00
1.13	Equipment Pads	3	Ea	@	\$ 1,500.00	=	\$ 4,500.00
1.14	Intermediate Access Riser Platform Coating	25	Sft	@	\$ 65.00	=	\$ 1,625.00
1.15	Pipe Penetrations, Repair	3	Ea	@	\$ 2,650.00	=	\$ 7,950.00
1.16	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
1.17	Electrical Work Station #1, Install	1	Lsum	@	\$ 12,500.00	=	\$ 12,500.00
1.18	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 1					=	\$ 96,925.00

DIVISION NO. 2 – LIFT STATION NO. 2 (2506 E. Maple)

	Item	Quantity			Unit Price		Total Cost
2.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
2.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
2.3	Pump in Drywell, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
2.4	Xylem AC 4"x4"x10" LC Pump, 7.5 HP, 900 RPM, Install	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
2.5	Check Valve, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
2.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	6	Ea	@	\$ 3,200.00	=	\$ 19,200.00
2.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
2.8	Concrete Topping	1	Cyd	@	\$ 3,000.00	=	\$ 3,000.00
2.9	Wall to Floor Joint Repair	50	Ft	@	\$ 75.00	=	\$ 3,750.00
2.10	Access Riser Joint Seal	120	Ft	@	\$ 75.00	=	\$ 9,000.00
2.11	Wall, Ceiling & Access Riser Steel Surface Coating	175	Sft	@	\$ 15.00	=	\$ 2,625.00
2.12	Equipment Pads	2	Ea	@	\$ 1,500.00	=	\$ 3,000.00
2.13	Intermediate Access Riser Platform Coating	25	Sft	@	\$ 45.00	=	\$ 1,125.00
2.14	Pipe Supports, Remove and Replace	3	Ea	@	\$ 1,500.00	=	\$ 4,500.00
2.15	Pipe Penetrations, Repair	3	Ea	@	\$ 2,650.00	=	\$ 7,950.00
2.16	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
2.17	Electrical Work Station #2, Install	1	Lsum	@	\$ 8,500.00	=	\$ 8,500.00
2.18	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 2					=	\$ 93,950.00

DIVISION NO. 3 – LIFT STATION NO. 3 (2740 Paris)

	Item	Quantity			Unit Price		Total Cost
3.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
3.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
3.3	Pump in Drywell, Remove	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
3.4	Xylem AC 4"x4"x10" LC Pump, 10 HP, 1200 RPM, Install	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
3.5	Check Valve, Remove	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
3.6	Increasing Swing Check Valve, 4"x8", Flanged, Install	3	Ea	@	\$ 3,200.00	=	\$ 9,600.00
3.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
3.8	Concrete Topping	1	Cyd	@	\$ 3,000.00	=	\$ 3,000.00
3.9	Wall to Floor Joint Repair	60	Ft	@	\$ 75.00	=	\$ 4,500.00
3.10	Access Riser Joint Seal	120	Ft	@	\$ 75.00	=	\$ 9,000.00
3.11	Equipment Pads	3	Ea	@	\$ 1,500.00	=	\$ 4,500.00
3.12	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
3.13	Electrical Work Station #3, Install	1	Lsum	@	\$ 12,500.00	=	\$ 12,500.00
3.14	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 3					=	\$ 82,200.00

DIVISION NO. 4 – LIFT STATION NO. 4 (3200 Cedar Crest Dr.)

	Item	Quantity			Unit Price		Total Cost
4.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
4.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
4.3	Pump in Drywell, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
4.4	Xylem AC 4"x4"x10" LC Pump, 7.5 HP, 900 RPM, Install	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
4.5	Check Valve, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
4.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	2	Ea	@	\$ 3,200.00	=	\$ 6,400.00
4.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
4.8	Concrete Topping	1	Cyd	@	\$ 3,000.00	=	\$ 3,000.00
4.9	Wall to Floor Joint Repair	60	Ft	@	\$ 75.00	=	\$ 4,500.00
4.10	Access Riser Joint Seal	120	Ft	@	\$ 75.00	=	\$ 9,000.00
4.11	Wall, Ceiling & Access Riser Steel Surface Coating	200	Sft	@	\$ 15.00	=	\$ 3,000.00
4.12	Equipment Pads	2	Ea	@	\$ 1,500.00	=	\$ 3,000.00
4.13	Intermediate Access Riser Platform Coating	25	Sft	@	\$ 45.00	=	\$ 1,125.00
4.14	Pipe Supports, Remove and Replace	3	Ea	@	\$ 1,500.00	=	\$ 4,500.00
4.15	Pipe Penetrations, Repair	2	Ea	@	\$ 2,650.00	=	\$ 5,300.00
4.16	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
4.17	Electrical Work Station #4, Install	1	Lsum	@	\$ 8,500.00	=	\$ 8,500.00
4.18	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 4					=	\$ 79,625.00

DIVISION NO. 5 – LIFT STATION NO. 5 (4500 Forsyth)

	Item	Quantity			Unit Price		Total Cost
5.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
5.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
5.3	Pump in Drywell, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
5.4	Xylem AC 4"x4"x10" LC Pump, 3 HP, 720 RPM, Install	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
5.5	Check Valve, Remove	2	Ea	@	\$ 2,600.00	=	\$ 5,200.00
5.6	Increasing Swing Check Valve, 4"x6", Flanged, Install	2	Ea	@	\$ 3,200.00	=	\$ 6,400.00
5.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
5.8	Concrete Topping	1	Cyd	@	\$ 3,000.00	=	\$ 3,000.00
5.9	Wall to Floor Joint Repair	60	Ft	@	\$ 75.00	=	\$ 4,500.00
5.10	Access Riser Joint Seal	120	Ft	@	\$ 75.00	=	\$ 9,000.00
5.11	Wall Leaks	10	Ea	@	\$ 75.00	=	\$ 750.00
5.12	Wall, Ceiling & Access Riser Steel Surface Coating	200	Sft	@	\$ 15.00	=	\$ 3,000.00
5.13	Equipment Pads	2	Ea	@	\$ 1,500.00	=	\$ 3,000.00
5.14	Intermediate Access Riser Platform Coating	25	Sft	@	\$ 45.00	=	\$ 1,125.00
5.15	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
5.16	Electrical Work Station #5, Install	1	Lsum	@	\$ 12,000.00	=	\$ 12,000.00
5.17	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 5					=	\$ 74,075.00

DIVISION NO. 6 – LIFT STATION NO. 6 (758 Stephenson Hwy.)

	Item	Quantity			Unit Price		Total Cost
6.1	Mobilization, Max. 5%	1	Lsum	@	\$ 3,000.00	=	\$ 3,000.00
6.2	Color Audio-Video Route Survey	1	Lsum	@	\$ 1,200.00	=	\$ 1,200.00
6.3	Pump in Drywell, Remove	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
6.4	Xylem AC 4"x4"x10" LC Pump, 10 HP, 1200 RPM, Install	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
6.5	Check Valve, Remove	3	Ea	@	\$ 2,600.00	=	\$ 7,800.00
6.6	Increasing Swing Check Valve, 4"x8", Flanged, Install	3	Ea	@	\$ 3,200.00	=	\$ 9,600.00
6.7	Prepare and Paint Existing Piping, Equipment and Appurtenances in Drywell	1	Lsum	@	\$ 4,000.00	=	\$ 4,000.00
6.8	Concrete Topping	2	Cyd	@	\$ 3,000.00	=	\$ 6,000.00
6.9	Wall to Floor Joint Repair	80	Ft	@	\$ 75.00	=	\$ 6,000.00
6.10	Equipment Pads	3	Ea	@	\$ 1,500.00	=	\$ 4,500.00
6.11	Pipe Supports, Remove and Replace	5	Ea	@	\$ 1,500.00	=	\$ 7,500.00
6.12	Structural Rehabilitation Quantity Verification	1	Lsum	@	\$ 2,500.00	=	\$ 2,500.00
6.13	Electrical Work Station #6, Install	1	Lsum	@	\$ 8,500.00	=	\$ 8,500.00
6.14	Observation Crew Days	10	Days	@	\$ 500.00	=	\$ 5,000.00
	TOTAL AMOUNT OF BASE BID, DIVISION 6					=	\$ 81,200.00

The City reserves the right to award any Division of the Base Bid or any combination of Divisions, depending upon the availability of funds. However, the City does intend to award a minimum of three (3) Divisions at any one time. No additional compensation will be made to the Contractor to offset lost compensation due to the possible deletion/reduction of all or parts of any Division or alternate.

The City reserves the right to accept any bid, or to reject any or all bids, to waive any and all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced or conditional Bids. Also, the City reserves the right to reject the Bid of any Bidder if the City believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the City.

The undersigned agrees to furnish the required bonds and insurance certificates within seven (7) days after the acceptance of this proposal and further agrees to start construction within ten (10) days after being notified that work can begin.

The company representative does warrant that by signing the bid documents, the additional insured endorsement will be included in the insurance coverage supplied to the City as part of the specified requirements.

The project shall be completed by **September 30, 2019**.

Company: Inland Waters Pollution Control, Inc.

Address: 4086 Michigan Ave.

Detroit, MI 48210

Signed: _____

County: Wayne

By: Jignesh Madhani

Telephone: 313-899-3014

Title: Vice President

Email: jmadhani@teamipr.com



March 25, 2019
Addendum 1
ITB-COT 19-26
Sanitary Lift Station Pump Replacement
Page 1 of 3

To All Bidders:

Please be advised that the City of Troy Purchasing Department has authorized the following ANSWERS TO QUESTIONS regarding Bid Proposal **ITB-COT 19-26, Sanitary Lift Station Pump Replacement**. The CHANGES will be considered an integral part of the original proposal documents.



QUESTION: Is a Pre-Bid Meeting scheduled for this project?

ANSWER: No, a Pre-Bid Meeting will NOT be held for potential bidders for this project.

QUESTION: Are Site Visits required?

ANSWER: Refer to Section M CONSTRUCTION CONDITIONS. Site visits are *recommended* but NOT required.

ORIGINAL BID LANGUAGE:

M. CONSTRUCTION CONDITIONS:

Each Bidder visit the various sites of work and fully acquaint himself with conditions relating to construction and restrictions pertaining to the execution of the work under the Contract. Bidders shall thoroughly examine and be familiar with the Drawings and Specifications.

REVISED BID LANGUAGE:

M. CONSTRUCTION CONDITIONS:

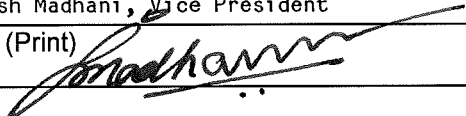
It is recommended that each Bidder visit the various sites of work, however there will not be an opportunity for confined space entry prior to bidding. Each bidder shall fully acquaint himself with conditions relating to construction and restrictions pertaining to the execution of the work under the Contract. Bidders shall thoroughly examine and be familiar with the Drawings and Specifications.



I, the undersigned Bidder, have read this addendum and have integrated the changes into the Bid Proposal documents for ITB-COT 19-26, **Sanitary Lift Station Pump Replacement**. All other items in the original proposal document remain the same. This addendum should be attached to the top of the proposal packet at the time of submission on or before Thursday, April 18, 2019 at 10:00 A.M., EDT in the Office of the City Clerk.

COMPANY: Inland Waters Pollution Control, Inc.

NAME OF REPRESENTATIVE: Jignesh Madhani, Vice President

SIGNATURE OF AUTHORIZED REPRESENTATIVE: (Print) 

ADDRESS: 4086 Michigan Ave.
Detroit, MI 48210

DATE: 04/17/19



March 26, 2019
Addendum 2
ITB-COT 19-26
Sanitary Lift Station Pump Replacement
Page 1 of 3

To All Bidders:

Please be advised that the City of Troy Purchasing Department has authorized the following ANSWERS TO QUESTIONS and has also **REVISED** the **BID TIMELINE TO INCLUDE A PRE-BID MEETING** for Bid Proposal **ITB-COT 19-26, Sanitary Lift Station Pump Replacement**. The CHANGES will be considered an integral part of the original proposal documents.



QUESTION: Is there an engineer's estimate for this bid?

ANSWER: The engineer's estimate is \$445,000 for all six (6) Lift Stations.

QUESTION: Is a Pre-Bid Meeting scheduled for this project?

ANSWER: YES, a **Pre-Bid Meeting** is now scheduled for potential bidders for this project.

QUESTION: Are Site Visits required?

ANSWER: No, site visits are not required. Refer to REVISED BID LANGUAGE below.

ORIGINAL BID LANGUAGE:

M. CONSTRUCTION CONDITIONS:

Each Bidder shall visit the various sites of work and fully acquaint himself with conditions relating to construction and restrictions pertaining to the execution of the work under the Contract. Bidders shall thoroughly examine and be familiar with the Drawings and Specifications.

REVISED BID LANGUAGE:

M. CONSTRUCTION CONDITIONS:

Each prospective Bidder shall fully acquaint himself with the conditions relating to construction and restrictions pertaining to the execution of the work under the Contract and shall thoroughly examine and be familiar with the Drawings, Pictures and Bid Specifications. Additionally, a **PRE-BID MEETING** for prospective bidders is scheduled below:

Wednesday, April 3, 2018 at 1pm
Sanitary Lift Station #1
801 Minnesota Drive
South of Maple & West of Dequindre
Troy, MI

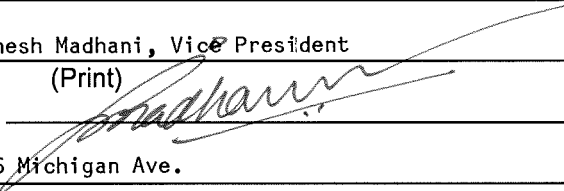
Note, The Pre-Bid Meeting and Pump Station entry is OPTIONAL for prospective bidders.
In order to *gain access* to Lift Station #1 at the Pre-Bid Meeting prospective bidders will be required to sign an Indemnification, Waiver and Hold Harmless Agreement & Confirmation of Workers' Compensation Insurance Coverage Form AND provide proof of valid Workers' Compensation Insurance. The Sample form is attached and will be available at the Pre-Bid Meeting to sign.



I, the undersigned Bidder, have read this addendum and have integrated the changes into the Bid Proposal documents for ITB-COT 19-26, **Sanitary Lift Station Pump Replacement**. All other items in the original proposal document remain the same. This addendum should be attached to the top of the proposal packet at the time of submission on or before Thursday, April 18, 2019 at 10:00 A.M., EDT in the Office of the City Clerk.

COMPANY: Inland Waters Pollution Control, Inc.

NAME OF REPRESENTATIVE: Jignesh Madhani, Vice President
(Print)

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

ADDRESS: 4086 Michigan Ave.
Detroit, MI 48210

DATE: 04/17/19



April 3, 2019

Addendum 3
RFP-COT 19-26
Sanitary Lift Station Pump Replacement
Page 1 of 2

To All Bidders:

Please be advised that as a result of the Pre-Proposal Meeting conducted on Wednesday, April 3, 2019 at 1:00 PM E.S.T. the Purchasing Department for the City of Troy authorized the following clarification(s) and or change(s) to the specifications for ITB-COT 19-26, SANITARY LIFT STATION PUMP REPLACEMENT PROJECT. The clarification(s) and or change(s) will be considered an integral part of the original proposal document. The Pre-Proposal Meeting was conducted at on-site at Sanitary Lift Station #1.

Attendance at the Pre-Bid Meeting was **Not Mandatory**. The following Companies were represented and in attendance:

DES Electric, LLC
Z Contractors, Inc.
Midwest Power Systems

Introduced: Brad Shepler, Associate Hubbell, Roth & Clark, Inc.
MaryBeth Murz, Purchasing Manager
Kristine Kallek, Associate Buyer
Mike Schlegelmann, Division Supervisor

Clarifications were discussed as follows:

- Sealed Proposals for the **SANITARY LIFT STATION PUMP REPLACEMENT PROJECT** will be received by the City of Troy at the **office of the City Clerk, 500 W. Big Beaver Road, Troy, MI 48084 until Thursday, April 18, 2019, at 10:00 AM E.D.T.** At the specified time and date stated above, all submitted Bid Proposals shall be opened and read aloud in the Troy City Offices. Any interested parties may attend. No immediate decision will be rendered.
- **Late bid submittals will not be accepted. The City does not accept bid responses via fax transmission.**
- **PROJECT TIMELINE:** The Project Completion is **September 30, 2019**. The City of Troy is the only party to this contract that may authorize amendment of the Timeline.
- Brad Shepler, HRC gave an overview of the Scope of Work and the Project.
- MaryBeth Murz, City of Troy reviewed the Requirements for Bid Submission.

- Each prospective Bidder shall fully acquaint himself with the conditions relating to construction and restrictions pertaining to the execution of the work under the Contract and shall thoroughly examine and be familiar with the Drawings, Pictures and Bid Specifications.
- An opportunity was given to enter Lift Station #1.
- **No questions were asked at the Pre-Bid meeting.**

Additional questions:

QUESTION: Is the City of Troy requiring any protective coatings to be applied to the lift station structure during the pump replacement project? If so, how can the list of plan holders be obtained?

ANSWER: Yes, refer to Sheets S-1 & S-2 of the Construction Drawings. The City is not maintaining a list of plan holders.

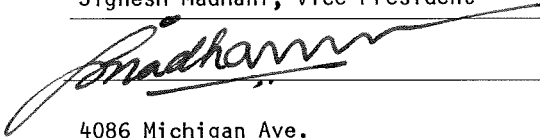
Brad Shepler gave everyone an additional opportunity to ask any other questions; which there were none. Further questions should be emailed directly to MaryBeth Murz, Purchasing Manager for the City of Troy; which if required will necessitate an additional Addendum; which would include the QUESTION(S) and the ANSWER(S).

This Addendum will be posted on MITN.

I, the undersigned bidder, have read this Addendum 3 and have integrated the clarification(s) and or change(s) into the *Invitation to Bid* and *Specifications* for ITB-COT 19-26, SANITARY LIFT STATION PUMP REPLACEMENT. All other items in the original ITB (Invitation to Bid) remain the same. This Addendum 3 should be attached to the top of the Bid Proposal packet at the time of submission, on or before **Thursday, April 18, 2019 at 10:00 AM EST** in the office of the City Clerk.

COMPANY: Inland Waters Pollution Control, Inc.

NAME OF AUTHORIZED COMPANY REPRESENTATIVE: Jignesh Madhani, Vice President

SIGNATURE: 

ADDRESS: 4086 Michigan Ave.

Detroit, MI 48210

DATE: 04/17/19

Please give the following information regarding your Proposal for this bid:

1. Number of years of experience in this work:

4 years

2. List the number and types of equipment to be used if awarded this bid:

** See attached equipment listing

3. List the municipalities you have contracted with during the past three years for this type of work:

Detroit Water and Sewerage Dept.

Great Lakes Water Authority

4. Name of your bank and other financial reference:

BMO Harris Bank, N.A. Attn: Matthew Barden

111 W. Monroe St. - 9th Floor East, Chicago, IL 60603 (312) 461-7596

5. Name of your insurance carrier: Alliant Insurance Services, Inc.

6. PL/PD/BI Insurance carrier: Greenwich Insurance Company

Umbrella - Starr Indemnity & Liability Company

Workman's Compensation: XL Specialty Insurance Company

Amount of Insurance Coverage: 1 Million Each Occurrence
2 Million General Aggregate 10 Million Excess Liability

6. Comments:

Signed:

Title:

Jignesh Madhani
Vice President

Name & Address of Firm: Inland Waters Pollution Control, Inc.

4086 Michigan Ave.

Detroit, MI 48210

Date: 04/17/19

Equipment List

Unit Number	Year	Make	Model/Type
15542	NA	VAC BOX	SLURRY VAC BOX
20161	2003	PTRBLT	TRACTOR
23402	1997	WESTERN	TRACTOR
23403	1996	WESTERN	TRACTOR
23404	1995	WESTERN	TRACTOR
23406	2000	INTERNATIONAL	TRACTOR
23407	2001	KENWORTH	TRACTOR
23408	2001	KENWORTH	BOILER TRUCK WATER
23409	2005	INTERNATIONAL	BOILER TRUCK
23410	2005	INTERNATIONAL	TRACTOR
23411	2005	INTERNATIONAL	TRACTOR
23413	2005	INTERNATIONAL	TRACTOR
23414	2004	KENWORTH	TRACTOR
23415	2006	PETERBILT	TRACTOR
23416	2003	PETERBILT	BOOM TRUCK
23417	2006	KENWORTH	TRACTOR
30334	84	BUDD	BOX VAN / TRAILER
30338	1991	WELLS CARGO	TRAILER Enclosed TV
30340	1996	INTERSTATE	TV Grout Trailer
30393	2000	MID ATLANTIC-MFG	TRAILER-SLURRY FILTER
30994	1991		EXTENDA JET TRAILER
31111	1999		SEWER TRAILER FOR EXTENDED JET
33121	1981	US BUILT	5000 gallon Tanker Slurry
33122	1981	US BUILT	5000 gallon Tanker Slurry
33129	1989	DUNRIGHT	ROLLOFF TRAILER/4 AXLE
33141	1979	TRAILMOBILE	TANKER/WATER 9500 GAL.
33142	1979	TRAILMOBILE	TANKER/WATER 9500 GAL.
33155	1992	DUNRIGHT	ROLLOFF TRAILER/4 AXLE
33156	1988	DUNRIGHT	ROLLOFF TRAILER/4 AXLE
33157	2006	FONTAINE	FLATBED TRAILER
33158	2007	UTILITY	REFER TRAILER
33159	1993	TRLM	REFER TRAILER
33160	2001	Great Dane	REFER TRAILER
33161	1997	UTILITY	REFER TRAILER
33162	2000	WABASH	REFER TRAILER
33163	2000	Great Dane	BOILER TRAILER STEAM
33164	1998	Great Dane	Risen Refer Trailer
33165	2009	UNTILITY	BOILER TRAILER STEAM
33166	2005	STOUGHTON	BOILER TRAILER STEAM
33167	2005	STOUGHTON	BOILER TRAILER STEAM

Equipment List

39008	1999		EXTENDA JET TRAILER
39011	1992	WELLS CARGO	TRAILER-SLURRY FILTER
40000	2002	FORD	STAKE TRUCK
40002	2011	ISUZU	STAKE TRUCK
40174	2009	INTERNATIONAL	SUPPORT TRUCK
40175	2005	INTERNATIONAL	SUPPORT TRUCK
40176	2005	INTERNATIONAL	SUPPORT TRUCK
40177	2005	INTERNATIONAL	SUPPORT TRUCK
40198	1996	Chevrolet	STAKE TRUCK
41001	2004	INTERNATIONAL	STAKE TRUCK/4300
41002	2008	ISUZU	STAKE TRUCK
41004	2006	PETERBILT	BOX TRUCK
41005	2003	INTERNATIONAL	STEAM BOILER
41007	1995	INTERNATIONAL	REFER TRUCK
41008	1997	FREIGHTLINER	REFER TRUCK
41009	2004	FREIGHTLINER	REFER TRUCK
41010	2005	PETERBILT	REEFER TRUCK
41011	2005	PETERBILT	REEFER TRUCK
41012	2005	FREIGHTLINER	REEFER TRUCK
41013	2005	FREIGHTLINER	REEFER TRUCK
53128	1998	WANCO	ARROWBOARD
53129	2011	WANCO	NEW ARROWBOARD
53147	68	FRUEHAUF	TRAILER / BOX VAN
53153	N/A	N/A	AIR MOVER
53159	N/A	N/A	AIR MOVER
55168	1999	Chevrolet	TV GROUT TRUCK
55169	2000	WORKHORSE	TV GROUT TRUCK
55170	2001	WORKHORSE	TV GROUT TRUCK
55172	2003	FREIGHTLINER	TV TRUCK
55173	2003	FREIGHTLINER	TV TRUCK
55174	2003	FORD	TV TRUCK
55175	2003	FORD	TV TRUCK
55176	2003	FORD	TV TRUCK
55177	1996	FORD ECONOLINE	E350 Cues TV TRUCK
55179	2010	FORD	TV TRUCK
55180	2010	FORD	TV TRUCK
55182	2011	FORD	TV TRUCK
55183	2005	INTERNATIONAL	TV TRUCK
55184	2011	FORD	TV TRUCK
55185	2011	FORD	TV GROUTTRUCK
55730	1996	WANCO	ARROWBOARD
55795	2008	Ingersoll Rand	AIR COMPRESSOR
55796	1995	N/A	AIR COMPRESSOR

Equipment List

55797	2007	INGERSOLL	AIR COMPRESSOR
55798	2009	STATELINE	PERKINS GENERATOR 80K
55799	2008	Ingersoll Rand	AIR COMPRESSOR
55800	2008	Ingersoll Rand	AIR COMPRESSOR
55801	2008	Ingersoll Rand	AIR COMPRESSOR
55802	N/A	N/A	RAMPS UNLOAD & LOAD
55803	2008	Ingersoll Rand	AIR COMPRESSOR
55804	2008	Ingersoll Rand	AIR COMPRESSOR
55805	2008	Ingersoll Rand	AIR COMPRESSOR
55807	N/A	GULF ATLANTIC	HYD PUMP 6"
55807	N/A	JOHN DEERE	6" HYDRALUIC PUMP
55808	N/A	GULF ATLANTIC	HYD PUMP 6"
55808	N/A	CUMMINS	6" HYDRALUIC PUMP
55809	N/A	GULF ATLANTIC	HYD PUMP 6"
55809	N/A	JOHN DEERE	6" HYDRALUIC PUMP
55810	2009	ASSEMBLED	INVERSION TRAILER
59020	2004	N/A	EXTENDA JET
61001	2006	PETERBILT	ECOCAST TRUCK
63317	1999	FRIGHTLINER	BOILER TRUCK WATER
63318	2006	PETERBILT	BOILER TRUCK STEAM AND WATER
70150	1993	Ford	JETTER VAC
70154	1995	FORD	JETTER VAC
70157	2000	KENWORTH	JETTER VAC
70159	2003	KENWORTH	JETTER VAC
70160	2003	KENWORTH	JETTER VAC
71100	N/A	N/A	EXTENDA JET
71111	N/A	N/A	EXTENDA JET
73130	2001	STERLING	JETTER VAC
73134	2000	STERLING	SEWER JET
73135	1995	FORD	SEWER JET
73136	1993	FORD	SEWER JET
73137	1995	FORD	JETTER VAC
73139	1995	FORD	JETTER VAC
73152	2000	N/A	EXTENDA JET
75988	2005	HAMMER HEAD	HAMMER HEAD WINCH
80938	2003	Chevrolet	PICK UP
80960	2005	Chevrolet	Equinox
80961	2008	Chevrolet	Trailblazer
80965	2003	DODGE RAM	3500 PICK UP 1 ton
80966	2004	Ford	Taurus
80970	2006	Chevrolet	PICK UP
80972	2006	Chevrolet	PICK UP

Equipment List

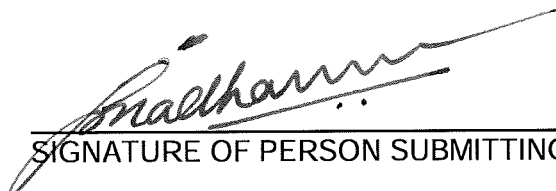
80973	2006	Chevrolet	PICK UP
80975	2003	DODGE RAM	2500 PICK UP
80994	2006	Ford	F250 PICK UP
80995	2005	FORD	PICK UP
80996	2009	GMC	PICK UP
80997	2010	GMC	PICK UP
80998	2010	GMC	PICK UP
81000	2012	GMC	SIERRA 2500 PICKUP
81001	2012	FORD	PICKUP
81002	2012	FORD	F350 PICK UP
81003	2012	FORD	F350 PICK UP
81004	2012	FORD	F350 PICK UP
83191	1999	Ford	F250 SD Mech Body
83192	2005	FORD	F550
84101	2001	FORD	PICKUP TRUCK F250
84102	2001	CHEV	PICKUP
90000	2009	ASSEMBLED	FIFTH WHEEL TRAILER
90001	2006	UTILITY	FLATBED DROP DECK
90002	2012	FOREST RIVER	FLATBED TRAILER/
117539	N/A	VAC BOX	SLURRY VAC BOX
117540	N/A	VAC BOX	SLURRY VAC BOX
117541	N/A	VAC BOX	SLURRY VAC BOX
117543	N/A	VAC BOX	SLURRY VAC BOX
117544	N/A	VAC BOX	SLURRY VAC BOX
117545	N/A	THERMO KING	STORAGE ICE UNIT (OLD#35042)
117546	N/A	THERMO KING	STORAGE ICE UNIT (OLD#35043)
210002	N/A	GMC	WATER TRUCK (OLD#9030)
220001	2007	KENWORTH	JETTER VAC
220002	2007	KENWORTH	JETTER VAC
220003	2007	INTERNATIONAL	JETTER VAC
220004	2011	INTERNATIONAL	JETTER VAC
220005	1990	INTERNATIONAL	SEWER JET
220006	2006	STERLING	JETTER VAC

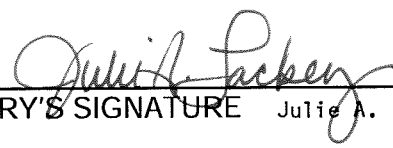
TO WHOM IT MAY CONCERN:

Jignesh Madhani, being duly sworn deposed, says that he
(Print Full Name)

is Vice President. The party making the foregoing proposal or bid,
(State Official Capacity in Firm)

that such bid is genuine and not collusion or sham; that said bidder has not colluded, conspired, connived, or agree, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding and has not in any manner directly or indirectly sought by agreement or collusion, or communication or conference, with any person to fix the bid price or affiant or any other bidder, or to fix any overhead, profit, or cost element of said bid price, or that of any other bidder, or to secure the advantage against the City of Troy or any person interested in the proposed contract; and that all statements contained in said proposal or bid are true.


SIGNATURE OF PERSON SUBMITTING BID


NOTARY'S SIGNATURE Julie A. Lackey

Subscribed and sworn to before me this 17th day of, April, 2019 in and for
Wayne County.

My commission expires:
August 16, 2024

JULIE A. LACKEY
Notary Public, State of Michigan
County of Wayne
My Commission Expires Aug. 16, 2024
Acting in the County of Wayne

LEGAL STATUS OF BIDDER

(The Bidder shall fill out the appropriate form and strike out the other two).

A corporation duly organized and doing business under the laws of the State of Michigan for whom Jignesh Madhani whose signature is affixed to the Proposal, is duly authorized to execute contracts.

~~A Partnership, all members of which, with addresses, are:~~

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

~~An Individual, whose signature is affixed to the Proposal~~

_____	_____
_____	_____


**VENDOR CERTIFICATION
THAT IT IS NOT AN
"IRAN LINKED BUSINESS"**

Pursuant to Michigan law, (the Iran Economic Sanctions Act, 2012 PA 517, MCL 129.311 et seq.), before accepting any bid or proposal, or entering into any contract for goods or services with any prospective Vendor, the Vendor must first certify that it is not an "IRAN LINKED BUSINESS", as defined by law.

Vendor	
Legal Name	Inland Waters Pollution Control, Inc.
Street Address	4086 Michigan Ave.
City	Detroit
State, Zip	Michigan, 48210
Corporate I.D. Number/State	38-2024780
Taxpayer I.D. #	38-2024780

The undersigned, with: 1) full knowledge of all of Vendors business activities, 2) full knowledge of the requirements and possible penalties under the law MCL 129.311 et seq. and 3) the full and complete authority to make this certification on behalf of the Vendor, by his/her signature below, certifies that: the Vendor is NOT an "IRAN LINKED BUSINESS" as require by MCL 129.311 et seq., and as such that Vendor is legally eligible to submit a bid and be considered for a possible contract to supply goods and/or services to the City of Troy.

Signature of Vendor's Authorized Agent:



Printed Name of Vendor's Authorized Agent:

Jignesh Madhani, Vice President

Witness Signature:



Printed Name of Witness:

Julie A. Lackey, Contracts Administrator

**CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The prospective participant certifies, to the best of its knowledge and belief, that it and its principals:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions under any non-procurement programs by any federal, state or local agency.
- (2) Have not, within the three year period preceding, had one or more public transactions (federal, state, or local) terminated for cause or default; and
- (3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) and have not, within the three year period preceding the proposal, been convicted of or had a civil judgment rendered against it:
 - a) For the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction (federal, state, or local), or a procurement contract under such a public transaction;
 - b) For the violation of federal, or state antitrust statutes, including those proscribing price fixing between competitors, the allocation of customers between competitors, or bid rigging; or
 - c) For the commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

I understand that a false statement on this certification may be grounds for the rejection of this proposal or the termination of the award. In addition, the general grant of this authority exists within the City's Charter, Chapter 12, Section 12.2- Contracts.


I am able to certify to the above statements.

Inland Waters Pollution Control, Inc.

Name of Agency/Company/Firm *(Please Print)*

Jignesh Madhani, Vice President

Name and title of authorized representative *(Please Print)*


Signature of authorized representative

04/17/19

Date

I am unable to certify to the above statements. Attached is my explanation.



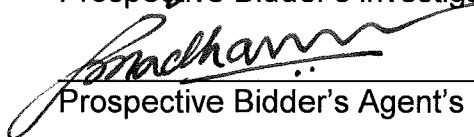
SANITARY LIFT STATION PUMP REPLACEMENT
IBT-COT 19-26

INDEMNIFICATION, WAIVER & HOLD HARMLESS AGREEMENT &
CONFIRMATION OF WORKERS' COMPENSATION INSURANCE COVERAGE

In connection with the submission of a bid for ITB-COT 19-26, I represent that I have the authority to execute this Indemnification, Waiver & Hold Harmless Agreement, binding myself and the Prospective Bidder to the terms of this Agreement, which is required prior to any access to City of Troy Sanitary Lift Station #1.

To the fullest extent permitted by law, on behalf of myself and the Prospective Bidder, I waive all claims, and agree to defend, pay on behalf of, indemnify, and hold harmless the City of Troy, its elected and appointed officials, employees and subcontractors working on behalf of the City of Troy against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the City of Troy, its elected and appointed officials, employees, and subcontractors working on behalf of the City of Troy, for any personal injury (including bodily injury or death) and/or property damage (including loss of use thereof), which arises out of or is in any way connected or associated with agents or Prospective Bidder's access to the City of Troy's Sanitary Lift Station #1.

I have also provided the designated City of Troy agent with evidence of Prospective Bidder's current and valid workers' compensation policy covering myself and the Prospective Bidder for any injuries incurred as a result of mine or Prospective Bidder's investigation and pre-bid activities.


04/17/19

Prospective Bidder's Agent's signature/date

Jignesh Madhani, Vice President

Agent's printed name/ Position with Prospective Bidder

Name of Prospective Bidder: Inland Waters Pollution Control, Inc.

City of Troy representative signature/date

Witness

Witness



500 West Big Beaver
Troy, MI 48084
troymi.gov

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 Bovensiepe, Public Works Director
Paul Trosper, Water & Sewer Operations Manager

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

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.
- 1,357 vendors were notified via the MITN website.



500 West Big Beaver
Troy, MI 48084
troyml.gov

CITY COUNCIL AGENDA ITEM

Purchasing (continued)

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

Companies notified via MITN	35
Troy Companies notified via MITN	34
Troy Companies notified - Active email Notification	1
Troy Companies - Active Free	7
Companies that viewed the bid	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
ESTIMATED GRAND TOTAL COST PROPOSAL A -									
DIVISION NO. 1 - LIFT STATION NO. 1 (801 Minnesota)					\$96,925.00	\$105,851.18	\$127,350.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL B - DIVISION NO. 2 - LIFT STATION NO. 2 (2506 E Maple)					\$93,950.00	\$87,980.68	\$107,856.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL C - DIVISION NO. 3 - LIFT STATION NO. 3 (2740 Paris)					\$82,200.00		\$83,996.20		\$120,500.00

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
ESTIMATED GRAND TOTAL COST PROPOSAL D - DIVISION NO. 4 - LIFT STATION NO. 4 (3200 Cedar Crest Dr.)					\$79,625.00	\$84,792.52	\$112,850.00		

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
ESTIMATED GRAND TOTAL COST PROPOSAL E - DIVISION NO. 5 - LIFT STATION NO. 5 (4500 Forsyth)					\$74,075.00		\$89,359.20		\$114,380.00

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

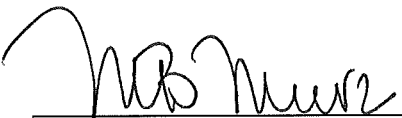
PROPOSAL F: DIVISION NO. 6 - LIFT STATION NO. 6 (758 Stephenson Hwy.)

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

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

ATTEST:

Susan K Riesterer
 Jackie Ahlstrom
 Paul D Trospen


 MaryBeth Murz,
 Purchasing Manager

Award Standard Purchasing Resolution 2 – Low Bidder meeting
Specifications - Sanitary Sewer Lift Station Pump Replacement Project -
Water Department

RESOLVED. That Troy City Council hereby AWARDS 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 to be installed and completed over the 2018/2019 and 2019/2020 Fiscal Years as contained in the bid tabulation opened April 18, 2019, a copy of which shall be ATTACHED to the original Minutes of this meeting.

BE IT FURTHER RESOLVED, that the award is contingent upon the contractor's submission of properly executed bid and contract documents, including Insurance Certificates, and all other specified requirements.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/10/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Alliant Insurance Services Houston, LLC 5444 Westheimer, Suite 900 Houston, TX 77056	CONTACT NAME: Amber Breaux PHONE (A/C, No, Ext): 713-470-4123 E-MAIL ADDRESS: abreaux@alliant.com FAX (A/C, No): 713-470-4124																				
	<table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A:</td> <td>Greenwich Insurance Company</td> <td>22322</td> </tr> <tr> <td>INSURER B:</td> <td>Starr Indemnity & Liability Company</td> <td>38318</td> </tr> <tr> <td>INSURER C:</td> <td>XL Specialty Insurance Company</td> <td>37885</td> </tr> <tr> <td>INSURER D:</td> <td></td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Greenwich Insurance Company	22322	INSURER B:	Starr Indemnity & Liability Company	38318	INSURER C:	XL Specialty Insurance Company	37885	INSURER D:			INSURER E:			INSURER F:	
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INSURED Inland Waters Pollution Control, Inc. 4086 Michigan Avenue Detroit, MI 48210																					

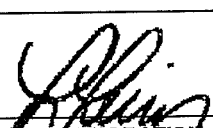
COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			CGD740922006	04/01/2019	04/01/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Each occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS-COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			CAD740922106	04/01/2019	04/01/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE			1000585633191	04/01/2019	04/01/2020	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	CWD740921806	04/01/2019	04/01/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 EACH LOSS \$ AGGREGATE \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Re: Contract No. 19-01. City of Troy and Hubbell, Roth & Clark, Inc. and the Member, all elected and appointed officials, all employees and volunteers, agents, all boards, commissions, and/or authorities and board members, including employees and volunteers. The General Liability and Commercial Auto policy includes blanket Additional Insured endorsements that provide Additional Insured status to certain persons and organizations when required by written contract and subject to the terms and conditions of the endorsements. The General Liability policy includes a blanket Waiver of Subrogation when required by contract or written agreement and subject to the terms and conditions of the endorsements. The Auto policy includes a blanket Waiver of Subrogation when required by contract or written agreement and subject to the terms and conditions of the endorsements. The General Liability policy provides that to the extent that insurance is afforded to any Additional Insured under the policy, the insurance shall apply as primary and not contributing with any insurance carried by such Additional Insured, as required by written contract. The General Liability, Auto Liability, and Workers Compensation policies includes an endorsement providing that 30 days' notice of cancellation will be furnished to the certificate holder, however 10 days if canceled for non-payment.

CERTIFICATE HOLDER **CANCELLATION**

City of Troy 500 W. Big Beaver Road Troy, MI 48084	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
-------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
Any Person Or Organization That You Are Required In A Written Contract Or Written Agreement To Include As An Additional Insured Provided The "Bodily Injury" Or "Property Damage" Occurs Subsequent To The Execution Of The Written Contract Or Written Agreement	Various As Required Per Written Contract
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ANY PERSON OR ORGANIZATION THAT YOU ARE REQUIRED IN A WRITTEN CONTRACT OR WRITTEN AGREEMENT TO INCLUDE AS AN ADDITIONAL INSURED PROVIDED THE "BODILY INJURY" OR "PROPERTY DAMAGE" OCCURS SUBSEQUENT TO THE EXECUTION OF THE WRITTEN CONTRACT OR WRITTEN AGREEMENT	VARIOUS AS REQUIRED PER WRITTEN CONTRACT
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

LESSOR – ADDITIONAL INSURED AND LOSS PAYEE

This endorsement modifies insurance provided under the following:

- AUTO DEALERS COVERAGE FORM
- BUSINESS AUTO COVERAGE FORM
- MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: IPR ACQUISITIONCO, INC.
Endorsement Effective Date: April 1, 2019

SCHEDULE

Insurance Company: Greenwich Insurance Company	
Policy Number: CAD740922106	Effective Date: April 1, 2019
Expiration Date: April 1, 2020	
Named Insured: IPR ACQUISITIONCO, INC.	
Address: 1510 Klondike Road, Suite 400 Conyers, GA 30094	
Additional Insured (Lessor): All Lessors	
Address:	
Designation Or Description Of "Leased Autos": All Leased Autos	

Coverages	Limit Of Insurance
Covered Autos Liability	\$ 2,000,000 Each "Accident"
Comprehensive	Actual Cash Value Or Cost Of Repair, Whichever Is Less, Minus \$ 1,000 Deductible For Each Covered "Leased Auto"
Collision	Actual Cash Value Or Cost Of Repair, Whichever Is Less, Minus \$ 1,000 Deductible For Each Covered "Leased Auto"
Specified Causes Of Loss	Actual Cash Value Or Cost Of Repair, Whichever Is Less, Minus \$ Deductible For Each Covered "Leased Auto"
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Coverage

1. Any "leased auto" designated or described in the Schedule will be considered a covered "auto" you own and not a covered "auto" you hire or borrow.
2. For a "leased auto" designated or described in the Schedule, the **Who Is An Insured** provision under **Covered Autos Liability Coverage** is changed to include as an "insured" the lessor named in the Schedule. However, the lessor is an "insured" only for "bodily injury" or "property damage" resulting from the acts or omissions by:
 - a. You;
 - b. Any of your "employees" or agents; or
 - c. Any person, except the lessor or any "employee" or agent of the lessor, operating a "leased auto" with the permission of any of the above.
3. The coverages provided under this endorsement apply to any "leased auto" described in the Schedule until the expiration date shown in the Schedule, or when the lessor or his or her agent takes possession of the "leased auto", whichever occurs first.

B. Loss Payable Clause

1. We will pay, as interest may appear, you and the lessor named in this endorsement for "loss" to a "leased auto".

2. The insurance covers the interest of the lessor unless the "loss" results from fraudulent acts or omissions on your part.
3. If we make any payment to the lessor, we will obtain his or her rights against any other party.

C. Cancellation

1. If we cancel the policy, we will mail notice to the lessor in accordance with the Cancellation Common Policy Condition.
2. If you cancel the policy, we will mail notice to the lessor.
3. Cancellation ends this agreement.

- D.** The lessor is not liable for payment of your premiums.

E. Additional Definition

As used in this endorsement:

"Leased auto" means an "auto" leased or rented to you, including any substitute, replacement or extra "auto" needed to meet seasonal or other needs, under a leasing or rental agreement that requires you to provide direct primary insurance for the lessor.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AUTOMATIC ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
AUTO DEALERS COVERAGE FORM

A. **COVERED AUTOS LIABILITY COVERAGE, Who Is An Insured**, is amended to include as an "insured" any person or organization you are required in a written contract to name as an additional insured, but only for "bodily injury" or "property damage" otherwise covered under this policy caused, in whole or in part, by the negligent acts or omissions of:

1. You, while using a covered "auto"; or
2. Any other person, except the additional insured or any employee or agent of the additional insured, operating a covered "auto" with your permission;

Provided that:

- a. The written contract is in effect during the policy period of this policy;
 - b. The written contract was signed by you and executed prior to the "accident" causing "bodily injury" or "property damage" for which liability coverage is sought; and
 - c. Such person or organization is an "insured" solely to the extent required by the contract, but in no event if such person or organization is solely negligent.
- B. The Limits of Insurance provided for the Additional Insured shall not be greater than those required by contract and, in no event shall the Limits of Insurance set forth in this policy be increased by the contract.
- C. **General Conditions, Other Insurance** is amended as follows:

Any coverage provided hereunder shall be excess over any other valid and collectible insurance available to the additional insured whether such insurance is primary, excess, contingent or on any other basis unless the contract specifically requires that this policy be primary.

All terms, conditions, exclusions and limitations of this policy shall apply to the liability coverage provided to any additional insured, and in no event shall such coverage be enlarged or expanded by reason of the contract.

All other terms and conditions of this policy remain unchanged.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:

WHERE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT EXECUTED PRIOR TO LOSS (EXCEPT WHERE NOT PERMITTED BY LAW).

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph 8. **Transfer Of Rights Of Recovery Against Others To Us** of Section IV – Conditions:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: IPR ACQUISITIONCO, INC.

Endorsement Effective Date: April 1, 2019

SCHEDULE

Name(s) Of Person(s) Or Organization(s):
WHERE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT EXECUTED PRIOR TO LOSS (EXCEPT WHERE NOT PERMITTED BY LAW).

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.