



City of Galveston

Municipal Utilities STAFF REPORT

Date October 11, 2021

To: City Manager
Mayor and City Council Members

From: Trino Pedraza, Director of Municipal Utilities and Construction

Request:

Consider for approval, the annual maintenance on the chemical disinfection analyzer systems for various Supply Division pump station and elevated water storage tanks from the sole source provider CFI Services in the amount of \$67,278.00. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

Background:

- A. The Water Supply Division is responsible for supplying and distributing potable water to the City of Galveston under pressure.
- B. The City's water supply system has JCS liquid ammonia sulfate – chlorine – chloramine analyzers at the 30th Street Pump Station, 59th Street Pump Station, Airport Pump Station, Jamaica Beach Elevated Storage Tank and the Isla Del Sol Elevated Storage Tank facilities within the City of Galveston.
- C. The City has an annual maintenance contract with CFI Service Inc. that would cover all call-out repairs to equipment, parts, and preventive maintenance for the JCS analyzer systems
- D. In previous years, the contract was used by the Supply Division for emergency repairs and equipment maintenance to the various analyzer system equipment.

Current Situation:

- A. In the event a maintenance contract is not in place, the City would not have the required monthly maintenance and would be forced to pay for individual repairs from CFI Services, as they are the sole maintenance provider for liquid ammonia sulfate, chlorine and chloramine analyzer system equipment.





City of Galveston

Municipal Utilities STAFF REPORT

B. CFI Services Inc. has submitted a proposal for the annual maintenance contract for the JCS analyzer equipment at a cost of \$67,278.00.

Fiscal Impact Report

Funding Source	Amount
Water Supply Division M&O	\$67,278.00
Maintenance Contracts	
Total	\$ 67,278.00

Alternatives

- A. Approve the annual maintenance on the chemical disinfection analyzer systems for various Supply Division pump station and elevated water storage tanks from the sole source provider CFI Services in the amount of \$67,278.00.
- B. Do not approve the request.

Staff Recommendation

Approve the annual maintenance on the chemical disinfection analyzer systems for various Supply Division pump station and elevated water storage tanks from the sole source provider CFI Services in the amount of \$67,278.00.





CFI Services, Inc.

05/07/2021

City of Galveston Public Works
823 25th ST.
Galveston, TX 77550

Attention: Dennis Stark

Subject: **Chemical Disinfection Systems, Fiscal Year 2022**

30th Street Pump Station
59th Street Pump Station
Airport Pump Station
Jamaica Beach Elevated
Isla Del Sol Elevated

Dear Mr. Stark,

Per our conversation regarding the Chlorine, LAS and Chlorine/ Chloramine analyzers, please accept the following costs to perform preventive maintenance on this equipment.

Annual Preventive Service

- Replace wear items such as o-rings, gaskets, seats and orifices as supplied in the PM Kits.
- Replace flex connectors
- Clean and inspect components and replace if necessary.
- Replace tubing and connector inserts where required.
- Supply and replenish all required reagents
- Upgrade software to the most current version.
- Test and Calibrate
- Provide training to operations and maintenance personnel.

Equipment to be maintained 30th Street WP

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-T Ton mounted vacuum regulators
2-JCS 500ppd CL2 injectors
5-JCS Mod 4500 CL2 gas leak detectors
2-Force Flow Solo 1000 CL2 ton cylinder scales
3-JCS Mod 4100 liquid vacuum feeders
3-JCS 484X injectors
4-JCS Mod 4600-I Ultrasonic level indicators
1-Finnish Thompson LAS transfer pump
1-Hach CL-17 Total Chlorine analyzers
2-SWAN Ami/Codes Water Analyzers
2-Starite JNS Sample booster pumps

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CFI Services, Inc.

Equipment to be maintained 59th Street Pump Station

3-JCS Mod 4200 Automatic Gas Feeders
6-JCS Mod 4100 Liquid Vacuum Feeders
4-JCS Mod 420-T Ton mounted vacuum regulators
3-JCS 500ppd CL2 injectors
4-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-D dual cylinder Scales
6-JCS 484X injectors
8-SWAN Ami/Codes Water Analyzers

Equipment to be maintained Airport Pump Station

6-JCS Mod 4100 Liquid Vacuum feeder
2-JCS Mod 4200 Automatic Gas Feeders
2-JCS Mod 420-T ton cylinder mounted vacuum regulators
2-JCS 250ppd CL2 injectors
6-JCS Mod 484 injector
3-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4600-I Ultrasonic level indicators
1-JCS Mod 4700-D dual cylinder Scales
3-SWAN Ami/Codes Water Analyzers

Equipment to be maintained Jamaica Beach Elevated

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-C cylinder mounted vacuum regulators
2-JCS 200ppd CL2 injectors
2-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-2 dual cylinder scales
1-Hach CL-17 Total Chlorine analyzers

Equipment to be maintained Isla Del Sol Elevated

2-JCS Mod 4200 Automatic Gas Feeders
4-JCS Mod 420-C cylinder mounted vacuum regulators
2-JCS 200ppd CL2 injectors
2-JCS Mod 4500 CL2 gas leak detectors
2-JCS Mod 4700-2 dual cylinder scales
1-Hach CL-17 Total Chlorine analyzers

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CFI Services, Inc.

Materials to Be Provided 30th Street WP

- 2-LF 4200 PM Kits
- 4-LF 420-T PM Kits
- 2-LF 420 EJ 500 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 3-LF 4100-V PM Kits
- 3-LF 484 X PM Kits
- 1-Lot NH3 Span Gas (2) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for SWAN Analyzers CC (1) total
- 1-12Month supply standards, reagents and solutions for SWAN Analyzers AMI (1) total
- 1-12Month supply standards, reagents and solutions for CL-17
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided 59th Street Pump Station

- 3-LF 4200 PM Kits
- 6-LF 4100 PM KITS
- 4-LF 420-T PM Kits
- 3-LF 420 EJ 500 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 6-LF 484 X PM Kits
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12 Month supply standards, reagents and solutions for SWAN Analyzers CC (4) total
- 1-12Month supply standards, reagents and solutions for SWAN Analyzers AMI (4) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided Airport Pump Station

- 6-LF 4100 PM Kits
- 2-LF 4200 PM Kits
- 2-LF 420-T PM Kits
- 2-LF 420 EJ 250 Pm Kits
- 6-LF 484 PM Kit
- 1-Lot CL2 Span Gas (3) Sensors
- 1-12 Month supply standards, reagents and solutions for SWAN Analyzers CC (3) total
- 1-12Month supply standards, reagents and solutions for SWAN Analyzers AMI (3) total
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

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CFI Services, Inc.

Materials to Be Provided Jamaica Beach Elevated

- 2-LF 4200 PM Kits
- 4-LF 420-C PM Kits
- 2-LF 420 EJ 200 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12Month supply standards, reagents and solutions for CL-17 (1) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

Materials to Be Provided Isla Del Sol Elevated

- 2-LF 4200 PM Kits
- 4-LF 420-C PM Kits
- 2-LF 420 EJ 200 Pm Kits
- 1-Lot CL2 Span Gas (5) Sensors
- 1-Lot Flexible tubing, connectors and miscellaneous fittings
- 1-12Month supply standards, reagents and solutions for CL-17 (1) total
- 1-Lot service documentation for RPM (if requested)
- 1-Lot per visit service reports and itemized billing

CFI Services, Inc.

PROPOSED BILLING AND SERVICE SCHEDULE

Month 1 Service and replenish chemicals for analyzer equipment
Perform 1st quarter PM service on chemical feed equipment

Cost.... \$1,888.00 30th Street
\$3,092.00 59TH Street
\$1,112.00 Jamaica Beach
\$1,112.00 Isla Del Sol

Month 1 Total: \$7,204.00

Month 2 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 2 Total: \$3,454.00

Month 3 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 3 Total: \$3,454.00

Month 4 Service and replenish chemicals for analyzer equipment
Perform 2nd quarter PM service on chemical feed equipment

Cost.... \$1,888.00 30th Street
\$3,092.00 59TH Street
\$1,112.00 Jamaica Beach
\$1,112.00 Isla Del Sol

Month 4 Total: \$7,204.00

Month 5 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 5 Total: \$3,454.00

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CFI Services, Inc.

Month 6 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 6 Total: \$3,454.00

Month 7 Service and replenish chemicals for analyzer equipment
Perform 3rd quarter PM service on chemical feed equipment

Cost.... \$1,888.00 30th Street
\$3,092.00 59TH Street
\$1,272.00 Airport
\$1,112.00 Jamaica Beach
\$1,112.00 Isla Del Sol

Month 7 Total: \$8,476.00

Month 8 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$1,272.00 Airport
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 8 Total: \$4,726.00

Month 9 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$1,272.00 Airport
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 9 Total: \$4,726.00

Month 10 Service and replenish chemicals for analyzer equipment
Perform Annual PM Service on chemical feed equipment

Cost.... \$2,867.00 30th Street
\$4,054.00 59TH Street
\$1,655.00 Airport
\$1,549.00 Jamaica Beach
\$1,549.00 Isla Del Sol

Month 10 Total: \$11,674.00

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CFI Services, Inc.

Month 11 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$1,272.00 Airport
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 11 Total: \$4,726.00

Month 12 Service and replenish chemicals for analyzer equipment
Inspect chemical feed equipment

Cost.... \$1,189.00 30th Street
\$1,695.00 59TH Street
\$1,272.00 Airport
\$ 285.00 Jamaica Beach
\$ 285.00 Isla Del Sol

Month 12 Total: \$4,726.00

Other items included.

All additional maintenance related materials and labor above and beyond scheduled service visits for upkeep of mentioned instruments

Any costs for loaner equipment required to keep system operational.

Items not included.

- Any electrical component damaged by power surge, weather related or operational misuse. These items will be replaced at cost without labor charge.
- Any mechanical component damaged by fatigue, weather related or operational misuse. These items will be replaced at cost without labor charge.

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CFI Services, Inc.

05/07/2021

City of Galveston Public Works
Attention: Dennis Stark
Subject: 30th Street Pump Station
59th Street Pump Station
Airport Pump Station
Jamaica Beach Elevated
Isla Del Sol Elevated
Chemical Disinfection Systems (Continued)

Special Notes

Contract period is for (1) year and may be renewed by agreement of both parties.

Airport Pump Station is expected to come online in March 2022. April 2022 – monthly preventative maintenance for analyzers will begin. The preventative maintenance for chemical feed equipment will not start till July 2022. If there is a delay where Airport Pump Station does not go online in March 2022 – maintenance will be delayed Accordingly.

Option is available for (4) four; one year extensions.

Either party may terminate the contract by giving (30) days notice, for either cause or convenience.

Costs quoted are firm throughout the contract. If alterations are made to the equipment list, the contracted price can be altered if mutually agreed.

Acceptance

CFI Services, Inc. By: _____ Date: _____

Acceptance

City of Galveston. By: _____ Date: _____

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09/29/2021

City of Galveston Public Works

P.O. Box 779
Galveston, TX 77553

Attention: Dennis Stark

Subject: 30th Street Pump Station, Jamaica Beach ET, Isla Del Sol ET, 59th St Pump Station, Airport
Pump Station Chemical Disinfection System

Dear Mr. Stark,

Please accept this letter as official verification that CFI Services Inc. is the sole source for service and maintenance related issues pertaining to the JCS equipment installed and operational for the above referenced facilities.

Should you require any additional information, please feel free to contact me at 281-353-2100 x 804.

Warmest regards,

Ryan D. Holak