

City of Fayetteville Staff Review Form

2019-0172

Legistar File ID

4/2/2019

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Tim Nyander

3/12/2019

WASTEWATER TREATMENT (730)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends replacement of the Fill Auger Assembly and the Exhaust Scrubber-Condenser Assembly for thermal drying biosolids, by A.I.T. Services Inc. at the Biosolids Management Site in the amount of \$47,745.00 plus applicable taxes, and approval of a budget adjustment.

Budget Impact:

5400.730.5800-5414.00	Water and Sewer
Account Number	Fund
02069.1	Plant Pumps and Equipment - WWTP
Project Number	Project Title
Budgeted Item? Yes	Current Budget \$ 626,301.00
	Funds Obligated \$ 623,287.42
	Current Balance \$ 3,013.58
Does item have a cost? Yes	Item Cost \$ 52,400.14
Budget Adjustment Attached? Yes	Budget Adjustment \$ 52,401.00
	Remaining Budget \$ 3,014.44

V20180321

Purchase Order Number: _____

Previous Ordinance or Resolution # _____

Change Order Number: _____

Approval Date: _____

Original Contract Number: _____

Comments: Taxes are estimated at \$4,655.14 for a total of \$52,400.14.



MEETING OF APRIL 2, 2019

TO: Mayor and City Council

THRU: Don Marr, Chief of Staff
Water & Sewer Committee
Tim Nyander, Utilities Director

FROM: Greg Weeks, Wastewater Treatment

DATE: March 12, 2019

SUBJECT: **Approval of a resolution for replacing the Fill Auger Assembly and Exhaust Scrubber-Condenser Assembly on the Thermal Dryer System by A.I.T. Services Inc. at the Biosolids Management Site.**

RECOMMENDATION:

Staff recommends replacement of the Fill Auger Assembly and the Exhaust Scrubber-Condenser Assembly for thermal drying biosolids, by A.I.T. Services Inc. at the Biosolids Management Site in the amount of \$47,745.00 plus applicable taxes, and approval of a budget adjustment.

BACKGROUND:

The Biosolids Management Site utilizes a 24-cubic yard Fenton CM 7212 Thermal Dryer system to convert wet biosolids to a Class-A fertilizer. Biosolids, a dewatered microbial biomass, are the byproduct of the city's wastewater biological nutrient removal process. The Noland and West Side treatment facilities produce an average of over 100,000 pounds of dewatered biosolids every day. The thermal dryer, in combination with the site's solar house dryers, reduces the daily biosolids volume down to approximately 15,000 lbs of Class-A, Exceptional Quality fertilizer. The biosolids drying process saves the city significant landfill costs annually, as well as allows for beneficial reuse of the biosolids material.

DISCUSSION:

The thermal dryer has been in operation for 6.5 years and several major system components are reaching their life expectancy. Recent inspections have identified significant corrosion damage of galvanized steel components of the Fill Auger and Exhaust Scrubber-Condenser Assemblies. These assemblies are fabricated on a per order basis resulting in very long lead times. If either assembly were to fail the thermal dryer down time could generate nearly \$100,000 in landfill fees per month while waiting for parts fabrication and delivery. Replacement of the Fill Auger and Exhaust Scrubber-Condenser are recommended to extend the life of these critical system components for up to 5 more years.

Earlier this year, the City Council approved an ordinance (No.6147) to waive the requirement of formal competitive bidding and authorized future parts purchases and repair services through AIT Services, Inc as they are the sole source authorized service and parts provider for Fenton Drying Systems. A.I.T. Services, Inc. recently submitted a quote for fabricating one complete Fill Auger Assembly and Exhaust Scrubber-Condenser. Staff recommends completion of the proposed assemblies' fabrication in the amount of \$47,745.00, which includes a freight charge of \$3,875.00.

BUDGET/STAFF IMPACT:

Funds will be moved from the Sanitary Sewer Rehabilitation project to the Wastewater Treatment, Plant Pumps and Equipment project to cover the replacements.

Attachments:

AIT Services Quote
Ordinance 6147
Budget Adjustment

A.I.T. SERVICES

1100 CR134

Brownwood, Texas 76801

Phone: (325) 646-9754 Fax: (325) 649-9658

Date: March 12, 2019

To: Jerry Genz
Jacobs/City of Fayetteville, AR

From: Chad Bolton
AIT Services, Inc.

Re: Dryer Fill Conveyor and SS Scrubber/Condenser

Jerry,

The following is the new pricing for complete (motor, gear reduction box, auger screw and housing) new wet biosolids feed screw and new SS scrubber/condenser, less delivery and installation.

The following prices are for the components only, FOB AIT's facility in Brownwood, TX:

Dryer Fill Screw Auger (Complete) - \$20,750.00

Scrubber/Condenser - (Option #2-304Stainless Steel - \$23,120.00

Note: The exterior water manifold and scrubbing media inside the vessel are not provided in this price. The existing components will be utilized.

Total Price: \$43,870.00

Payment Terms:

50% Down Payment of Total Price with P.O.

50% of Total Price Net 30 Day After Completion

Additional:

- No Local, State or Federal Taxes are Included.
- This quote is good for 60 days.
- Present estimated fabrication time for completion is 10-12 weeks, but depending upon AIT's backlog of work upon receipt of P.O. and down-payment, fabrication time is subject to change.

- **FREIGHT COSTS:** Should Jacobs/City of Fayetteville desire to have AIT handle shipment of the equipment, an additional \$ 3,875.00 for shipping fees should be added to the above total price.

Thanks for the opportunity to quote,

Chad Bolton

AIT Services, Inc.

Cell: 325-642-3578

Email: cbolton@aittx.com



113 West Mountain Street
Fayetteville, AR 72701
(479) 575-8323

Ordinance: 6147

File Number: 2018-0741

AIT SERVICES, INC.:

AN ORDINANCE TO WAIVE THE REQUIREMENTS OF FORMAL COMPETITIVE BIDDING AND AUTHORIZE THE PURCHASE OF SPARE PARTS AND REPAIR SERVICES FOR THE THERMAL DRYING UNIT LOCATED AT THE BIOSOLIDS MANAGEMENT SITE FROM AIT SERVICES, INC. IN THE AMOUNT OF \$117,917.67 PLUS APPLICABLE TAXES, TO APPROVE A PROJECT CONTINGENCY IN THE AMOUNT OF \$20,000.00, AND TO WAIVE THE REQUIREMENTS OF FORMAL COMPETITIVE BIDDING FOR FUTURE PURCHASES OF PARTS AND REPAIR SERVICES FOR THE THERMAL DRYING UNIT FROM AIT SERVICES, INC. THROUGH DECEMBER 31, 2021

WHEREAS, the thermal dryer located at the City's Biosolids Management Site has helped save the City approximately \$1,000,000.00 in landfill costs and generated \$48,500.00 in revenue through fertilizer sales to the public in 2018; and

WHEREAS, a recent inspection identified stress damage to split bearings, critical parts that support each end of the rotating drum, and the replacement or repair of the bearings and other worn or failing components should extend the life of the dryer up to five more years; and

WHEREAS, AIT Services, Inc. is the sole provider of replacement parts for the thermal dryer.

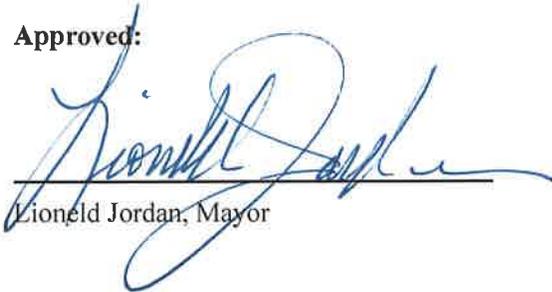
NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF FAYETTEVILLE, ARKANSAS:

Section 1: That the City Council of the City of Fayetteville, Arkansas hereby determines an exceptional situation exists in which competitive bidding is deemed not feasible or practical and therefore waives the requirements of formal competitive bidding and authorizes the purchase of spare parts for the thermal drying unit located at the Biosolids Management Site from AIT Services, Inc. in the amount of \$117,917.67 plus applicable taxes, and further approves a project contingency in the amount of \$20,000.00.

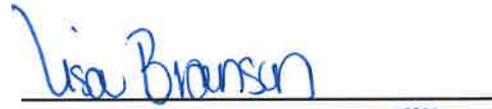
Section 2: That the City Council of the City of Fayetteville, Arkansas hereby determines that, because AIT Services, Inc. is the sole provider of replacement parts for the dryer unit, an exceptional situation exists in which competitive bidding is deemed not feasible or practical for future purchases and therefore waives the requirements of formal competitive bidding through December 31, 2021.

PASSED and APPROVED on 2/5/2019

Approved:


Lioneld Jordan, Mayor

Attest:


Lisa Branson, Deputy City Clerk

