

September 10, 2018

ADDENDUM NO. 1

To: **ALL PLANS AND/OR PROPOSAL HOLDERS**

FINANCIAL ITEM NUMBER: 42549475201

CONTRACT NUMBER: E3S22

DESCRIPTION: District Three Milton Operation Chiller Replacement

BIDS TO BE RECEIVED: Thursday, September 20, 2018

If you are a PLANS and/or PROPOSAL HOLDER, this is your authorization to make the following changes to the plans package you now have for the subject project:

Please see Addendum No. 1 attached for clarification concerning this project.

Scope of Services

Equipment Installation, Page 4

~~Set new Chiller on new Concrete Pad~~ Set new Chiller on existing Concrete Pad

Alternate #2 (ADD), Page 5

- ~~• Replace Wiring and Conduit from new Chiller to Existing Generator transfer switch~~
- ~~• Replace Wiring and Conduit from existing Electrical Panel to new Pump Motor Disconnect~~

E3S22 Questions and Answers, Pages 6 through 8

Please use this revision when preparing your bid.

Please sign this addendum in the space provided and fax back to fax number (850) 330-1494. All PROPOSAL HOLDERS please acknowledge receipt of the addendum on Exhibit "One", Scope of Services, in the space provided.

Sincerely,



Steve Thames
Procurements Contracts Manager

Rec'd by: _____

Company: _____

Date: _____
fax to (850) 330-1494

ST: ry

Enclosures (1)

c.c. Eric Pettis, Chris Kneiss file

**Florida Department of Transportation
Milton Chiller and Pump Replacement**

Scope of Services

Contract # E3S22

FPID # 42549475201

Contract Time: 90 Days

Introduction

The Florida Department of Transportation, hereinafter, called the Department, requires the services of a contractor to perform Chiller replacement and related renovations for our Milton Administration Building. The Chiller Replacement will be funded as a District Three Fixed Capital Outlay (FCO) project. Replacements shall be commercial quality same or equal to requested Trane CGAM Chiller # and sizes listed below. The Department is issuing an invitation to bid (ITB) to interested contractors. The ITB solicits competitive proposals for the Chiller replacement including preparation of permit applications and any other services necessary for a complete working Chiller system with the requirements of the Department as described below.

Schedule of Events

Key Milestone dates associated with the selection of a Contractor are as follows:

Date and Time (Local)

Milton Operations Center

Pre-Proposal Mandatory Site Visit Meeting

Thursday, September 6, 2018, 10:00 AM CST
Milton Operations Center
6025 Bagdad Hwy
Milton, Florida 32583

Opening of Price Proposal

Thursday, September 20, 2018, 2:00 PM CST
FDOT, District Office
1074 Hwy 90 Chipley, Florida 32428
Procurement Conference Room

Posting

Thursday, October 4, 2018, 10:00 AM CST
District 3 Contracts Administration Website
<http://fdot.gov/contracts/d3>

Mandatory Pre-Proposal Site Meeting at the FDOT Milton Operations Center

All bidders will be required to attend a mandatory pre-bid meeting/site visit to verify existing conditions for the proposed new asphalt paving.

The purposes of this meeting is to field verify the site existing conditions.

Special Notes

The Milton Administration Building will be fully occupied from 6:00 AM to 5:00 PM Monday through Friday. Our aim is to replace this system with as little disruption to the workforce as possible. Weekend and after hour work will be required and should be figured in your bid as necessary. The new 60 nominal Ton Air-Cooled Scroll Chiller will be in the same area as the existing 60 Ton Chiller. Included in the base bid will be new AHU Blower Shaft bearings replacement Parts and labor and a new AHU fan motor belts.

New 60 Ton Air-Cooled Scroll Chiller shall use R 4-10A type refrigerant.

A 5-year complete unit parts and labor extended warranty.

Included in Alternate #1 bid will be new Baldor 3 HP chilled water pump and pump motor to match existing system/pump motor. Pump and Motor will be installed in place of existing pump. The new pump motors will alternate weekly.

Work Description

Install (1) Trane CGAM 60 Ton Air-Cooled Scroll Chiller or equal kind for a complete and working system as detailed below.

Base Bid

Air-Cooled Scroll Packaged Chiller

Startup Included - Trane Service must start equipment for warranty to be honored

60 nominal tons

60 hertz

460 volts 3 phases

High efficiency/performance

Full factory refrigerant charge (HFC-410A)

With freeze protection (External T-STAT control)

Refrigerant isolation valves (discharge valve)

UL listed to US and Canadian safety standard

ASHRAE 90.1 all versions compliant

AHRI certified

Factory installed flow switch - set point 60 cm/sec

Phase reversal protection

Std cooling (42 to 65F/5.5 to 18C)

Grooved pipe connection

Factory insulation - all cold parts

Performance based on water

Wide ambient (0 to 125F/-18 to 52C)

Complete Coat lanced aluminum fins
Across the line starter/direct on line
Single point power connection
Terminal block conn for incoming lines
Enclosure type UL 1995 rated for outdoor applications
LonTalk/Tracer Summit interface
Default A short circuit rating
With water strainer factory installed
Super quiet
Architectural louvered panels
Year 2-5 parts warranty whole unit
1st year labor warranty
2-5th year labor warranty whole unit
1st year refrigerant warranty
2-5th year refrigerant warranty

Controls

Supply the labor and materials necessary to integrate the above equipment into our existing Tracer Summit Building Automation Controls System, including:

- Communication Wiring from existing Control Panel to new Chiller Controller
- (2) Immersion Sensors and Wiring from Sensors to new Chiller Controller
- Control Wiring from new Pump to new Chiller for Start/Stop and Pump Status
- Low Voltage Control System Wiring and Conduit (Wiring shall be plenum rated cable installed in accessible non-exposed areas and shall be installed in EMT Conduit in exposed areas.)
- Start-Up by Tracer Summit Factory Authorized Technician

Equipment Installation

Supply the labor and materials necessary to install the new Chiller, including:

- ~~Set new Chiller on new Concrete Pad~~ Set new Chiller on existing Concrete Pad
- Install and Connect New Chilled Water Piping & Valves from new Chiller to existing piping
- Install and Connect New Chilled Water Piping from Pump to existing Chilled Water System
- Install new Chilled Water Piping Insulation to match existing Insulation
- Install new Chilled Water Piping Supports/Bracing to match existing

Electrical Installation

Supply the labor and materials necessary to install the Electrical, including:

- Wiring and Conduit from existing Electrical Panel to new Chiller (Amps)

Project Management

Provide a dedicated Project Manager to oversee all aspects of this project and ensure compliance with Trane recommendations/specifications.

Alternates

Alternate #1 (ADD)

Chilled water pump motors

Replace the 1 each existing chilled water pump motor with a new Baldor 3hp to match. Provide 1 each additional Baldor 3hp chilled water pump motor to be installed above existing chilled water pump motor. Both of the new chilled water pump motors will be set up and programmed to alternate weekly.

- Set new Pump, in Mechanical Room, on existing Mounting Base

Alternate #2 (ADD)

- ~~Replace Wiring and Conduit from new Chiller to Existing Generator transfer switch~~
- ~~Replace Wiring and Conduit from existing Electrical Panel to new Pump Motor Disconnect~~
- Replace Wiring and Conduit from new Pump Motor Disconnect to new 3 HP Pump Motor
Wire sizes and amps to be determined by contractor

Alternate #3 (ADD)

Maintenance Agreement

A 5 year quarterly preventative maintenance service agreement will be included for the new 60 Ton Air-Cooled Scroll Chiller and existing air handler.

Clarifications

The Department shall provide Crane/Rigging necessary to receive new Chiller and Set in place. Contractor will be provided unrestricted access to all equipment areas.

General Notes

Contractor shall supply all labor and material necessary for a complete and working system as detailed above.

Work area will be kept clean and neat throughout project.

All OSHA and safety requirements will be strictly adhered to.

Eric Pettis will be the Department's Project Manager.

E3S22 Questions and Answers

Question 1 - Will the contractor use the existing concrete pad?

Answer 1 – Yes, but the contractor will be responsible for any modification that may be required.

Question 2 - Is the Department committed to a TRANE model?

Answer 2 – The Department requests a TRANE model or equivalent.

Question 3 – Will the Department pay for the DSL line/connection?

Answer 3 – YES.

Question 4 – Will the new system need to be compatible with the tracer submit system?

Answer 4 – YES.

Question 5 – Will the contractor be responsible for the programming of the new unit?

Answer 5 – YES.

Question 6 – Define after hours.

Answer 6 – Once the contract has been executed, the Department will coordinate with the awarded contractor on work hours.

Question 7 – What is your definition of “super quiet”?

Answer 7 – Refer to TRANE specifications.

Question 8 – Will the Department provide crane or forklifts for removal and placement of equipment?

Answer 8 – YES.

Question 9 – Will the Department pull the refrigerant?

Answer 9 - YES.

Question 10 - What type of refrigerant is in the current chiller?

Answer 10 – R22.

Question 11 – Is the blower wheel single or dual?

Answer 11 – Single.

Question 12 – Can the 90-day install date be extended due to TRANE delivery time frame?

Answer 12 – The Department would like to remain with the 90-day contract calendar.

Question 13 – Will valves need to be replaced?

Answer 13 – See equipment installation section located in Scope of Services.

Question 14 – Does the Department currently have chemical water treatment for the existing unit?

Answer 14 – NO.

Question 15 – Can the Department provide the model numbers for the pumps?

Answer 15 – Owner will provide the model numbers of the pumps per plans. Contractor will be responsible for verification of existing pump models.

Question 16 – Will the new chiller need heat wire/heat tracer?

Answer 16 – NO.

Question 17 – Do pumps have isolation valves so that they can be taken out?

Answer 17 – YES.

Question 18 – Is the Department responsible for bearings, belts and shaft?

Answer 18 – Per Special Notes section of Scope - Contractor is responsible for replacing the bearing and belts only on the existing AHU fan motors.

Question 19 – Explain Warranty?

Answer 19 – A Five Year Warranty on all labor, parts and refrigerant.

Question 20 – Is there a TRANE DDC representative or technician?

Answer 20 – NO.

Question 21 – Is here a current maintenance service agreement?

Answer 21 – NO.

Question 22 - Who currently maintains and services the equipment?

Answer 22 – The Department.

Question 23 – Can contractors or sub-contractors visit the site again?

Answer 23 – YES. Please contact Eric Pettis at (850)-330 1316 to schedule an appointment.

Question 24 – Does the Department want a 42-degree to 65-degree on the return water temperature?

Answer 24 – Supply water temperature should be 42-degrees.

Question 25 – Will the expansion tank stay as is?

Answer 25 – YES.

Question 26 – Has there been any issues with the wiring?

Answer 26 – NO.

Question 27 – Are there any air separators?

Answer 27 – YES.

Question 28 – Will the contractor be responsible for heat tracer submit integration?

Answer 28 – YES.

Question 29 – Is the transfer switch in the space?

Answer 29 – YES.

Question 30 – Who is responsible for the start up?

Answer 30 - The contractor.

Question 31 – Can the contractor change the piping location?

Answer 31 – YES, within 3 feet.

Question 32 – Can the Department provide a name and number for the TRANE system?

Answer 32 – No, the manufacturer will provide the Model Number.

Question 33 – Is the contractor required to obtain permits?

Answer 33 - YES.

Question 34 – Is the Department tax exempt?

Answer 34 – YES. The contractor is responsible for the purchase of the new equipment.

Question 35 – Is there a TRANE Control Panel?

Answer 35 – YES.

Question 36 – What are the work locations of this project?

Answer 36 - Mechanical Room and Outside Chiller space.

Question 37 – Is there a decibel rating?

Answer 37 – Decibel levels should be as close to the Trane specifications as possible.

Question 38 – Can the Department e-mail bid packages?

Answer 38 – YES.