



**DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 96TH TEST WING (AFMC)
EGLIN AIR FORCE BASE FLORIDA**

STATEMENT OF OBJECTIVES (SOO)

Contract # FA2823-19-D-005
Project #: FTFA 24-AD06
Project Title: REPAIR HVAC AHU AFRL AMMO EXP & TOX LAB B1206
Date: 02/14/2024

SUMMARY OF WORK

1. **PURPOSE**: The purpose of this section is to provide the Contractor with a Statement of Objectives (SOO) for the above-mentioned project. This document does not replace any of the provisions or requirements of the Simplified Acquisition of Base Engineering Requirements (SABER) contract to include SABER Statement of Work and specifications. The provisions of this section apply to this delivery order only, and the Contractor shall ensure that their personnel and subcontractors completely understand these provisions before developing the detailed statement of work and commencing work on this delivery order. The Contractor shall seek clarification from the Contracting Officer (CO) if there is any question on the applicability of a provision. These provisions are for the purpose of general information only and are not intended to completely describe the regulations and restrictions that apply on Eglin AFB. The Contractor's proposal shall be submitted to the CO in accordance with paragraph 3.3.2. Contractor's Statement of Work (SOW) package.

2. **PROJECT SCOPE**: The project is located at **Bldg. 1206, High Explosives Research and Development (HERD) Compound, Eglin Main**. The Contractor shall be required to furnish all materials, equipment, plant, labor, and personnel necessary to design, manage, and accomplish this task order in accordance with the contract requirements. Work involves the demolition of existing multi-zone air handling unit and installation of new multi-zone air handling unit (AHU). Demolition of existing DDC controls and install new BACnet over IP controls compatible with Niagara software.

3. **EXISTING CONDITIONS**: The identified building components are in poor condition. The current state of the facility is inadequate and does not meet the needs of the user or intended mission.

4. **PRINCIPAL FEATURES**: Principal features of work are as follows:

MECHANICAL:

- a. Dawson shall provide a 100% mechanical design for the replacement of one air handling unit at Bldg. 1206. Customer has stated that the AHU is 27 years old and has reached nonrepairable status. The AHU receives chilled water and steam from Bldg. 1197. The AHU is located within the Equipment Rm and services bays within the building. **NOTE: Bldg. 1206 contains hazardous explosive materials in certain locations so any changes within those areas must be designed in accordance with DESR 6055.09_AFMAN91-201, Air Force Explosives Safety Standards.**
- b. Remove existing Trane multi-zone air handling unit in equipment room and replace with new multi-zone AHU per Dawson's 100% mechanical design. Replace any obsolete or auxiliary components as needed. Existing unit has pneumatic and DDC controls.
- c. Please see attached mechanical design submittal from Trane for the multi-zone AHU.
- d. Use as much existing ductwork as possible while installing the new AHU.
- e. New insulation for all heating and cooling piping associated with the AHU.
- f. New HVAC equipment installation shall be coordinated, scheduled, and approved by Facility Manager. Installation date may be delayed for an extended period due to on-going mission requirements.

A. CONTROLS:

- a. Demo existing pneumatic /Building Automation System (BAS) controls and install new BAS BACnet over IP controls for the AHU, multi-zone dampers, steam/chilled water valves/actuators, duct sensors, relays. Category 6 ethernet cable will be used to communicate from the field controllers to the existing building level supervisory controller (JACE).
- b. Install new DDC explosion proof zone thermostats reusing existing conduit.
- c. Program AHU controls in the local field controllers to operate equipment if communication is lost to the Niagara Network controller (Jace) and integrate with Eglin AFB BAS network as required by 796 CES/CEOIC. (See Attachment 2)
- d. All BAS controls and components shall utilize Building Automation Control network (BACnet) and the (Java Application Control Engine) JACE shall be Niagara 4 compatible.
- e. The contractor shall provide the appropriate software and program backups for all field controllers to connect to the BAS network system for service and troubleshooting.

B. ELECTRICAL:

- a. Replace existing electrical disconnect, conduit and wiring to new air handling unit.
- b. Work must be coordinated, scheduled, and approved prior to beginning work.

C. EXPLOSIVES SAFETY

- a. Work will be conducted inside an active explosives hazard zone.
- b. Contractor personnel shall abide by all explosives safety rules which will be provided at a briefing prior to work start. Contractors working in the explosives hazard zone are required to sign a briefing document beforehand stating they attended a briefing

by the AFRL Det-6 Weapons Safety Office, have read and understand the explosives safety requirements, and that they will abide by them.

- c. Although the likelihood of an explosion is very small, contractor personnel could be exposed to the following and other risks from explosions: serious injuries from fragments, debris, firebrands, or other objects; a two percent chance of eardrum damage; transport vehicles could incur extensive, but not severe, body and glass damage consisting mainly of dishing of body panels and cracks in shatter-resistant window glass.
- d. Coordinate with the AFRL Det-6 Weapons Safety Office before selecting areas for parking, materials laydown, etc... POC is David.Perruchon.1@us.af.mil.

D.

FIRE PROTECTION and LIFE SAFETY: The Contractor is expected to maintain, at all times, good and accepted construction practices and comply with OSHA safety standards.

- 1) All work shall be in accordance with the latest NFPA and NEC requirements to ensure maximum protection against loss of life and property by fire.
- 2) Design and installation must meet all UFC 3-600-01 and applicable NFPA Standards.
 - a. Any sprinkler system modification must be IAW UFC 3-600-01 Chapters 9-6 & 9-7 and all testing must be IAW NFPA 13 (Current Edition).
 - b. Any fire alarm system modification must be IAW UFC 3-600-01 Chapter 9-18 and all testing must be IAW NFPA 72 (current edition).
 - c. Install new Fire duct. Detector if over 2000 cfm

4. MISHAP NOTIFICATION REQUIREMENTS for CONTRACTORS PER DAFI 91-204, para 2.4.4: The contractor shall notify the 96 TW Safety Office telephonically within one (1) hour after initial notification of all mishaps or incidents involving damage to DoD property (material plus labor) or injuries to government personnel as a result of contractor operations and work-related injury to contractor personnel that results in fatality, in-patient hospitalization, amputation, or eye loss. The Safety Office can be reached at (850) 882-2540 extension 3 during duty hours and (850) 883-4020 after hours. Initial written confirmation of the mishap must be forwarded within five calendar days to the Contracting Officer (CO) who will forward the report to 96 TW/SEG (Safety Office) 96TW.SEG.OccupationalSafety@us.af.mil. A complete report shall be provided within 20 calendar days after the mishap. Mishap notification shall contain, as a minimum, the following information:

- a) Contract, Contract Number, Name and Title of Person(s) Reporting
- b) Date, Time and exact location of accident/incident
- c) Brief Narrative of accident/incident (Events leading to accident/incident)
- d) Cause of accident/incident, if known
- e) Estimated cost of accident/incident (material and labor to repair/replace)
- f) Nomenclature of equipment and personnel involved in accident/incident
- g) Corrective actions (taken or proposed)

The contractor shall immediately secure the mishap scene/damaged property and impound pertinent maintenance and training records until released by the 96 TW Safety Office. The contractor and subcontractors (if involved) shall cooperate fully and assist the government personnel during the investigation.

Per EAFBI 13-200: Range Hazards and Unexploded Ordnance. All workers must receive a range familiarization hazard briefing to include unexploded ordnance (UXO) hazards and recognition training prior to entering an Eglin land range. If a munition item or an item resembling a military munition is encountered, all construction activity will stop. Notification should be made to the Contracting Officer and the Joint Test and Training Operations Control Center (JTTOCC). All workers will evacuate the area until UXO or EOD technicians reassess the construction site. Only when the item has been removed or otherwise disposed of will workers be allowed to return to the job site. The service provider shall comply with applicable explosive safety provisions of DESR 6055.09 AFMAN 91-201, Volume 1 - Enclosures 1-10, Volume 2 - Enclosures 1-4, and Volume 7 - Enclosures 1-6.

SUBCONTRACTORS: (DAFI 91-204, para 2.14) The prime contractor performing work on any property associated with Eglin Air Force Base, FL shall include a clause in all contracts requiring the subcontractors to comply with the safety provisions of this contract. This requirement also applies to the contractor's suppliers, vendors and visitors while working on an Air Force Installation.

EGRESS: Contractor cannot use hallways/corridor as storage or phase staging. Material storage must be coordinated prior to any work being done. Means of egress shall be continuously maintained free of all obstructions or impediments to full instant use in the case of fire or other emergency per UFC 3-600-01 and NFPA 101, chap 7 and DAFMAN 91-203, para 7.1.8.1.

A. GENERAL:

- 1) The Contractor shall move and protect office furniture and equipment as necessary to perform work on walls.
- 2) The Contractor shall perform all investigative and design services necessary to estimate and complete this project by all applicable codes.
- 3) The Contractor is expected to maintain, at all times, good and accepted construction and comply with OSHA safety standards.
- 4) Do not clean painting equipment near storm water drains and or soil and grassy areas.

5. REQUIRED DRAWINGS as marked:

- A. Cover Sheet with title and approval block
- B. Existing Site Plan
- C. Final Site Plan
- D. Grading Plan
- E. Utilities Site Plan
- F. Floor Plan
- G. Elevations
- H. Finish Schedule
- I. Window and Door Schedules

- J. Wall and Ceiling Sections
- K. Ceiling Plan
- L. Mechanical Plan with HVAC Duct Layout
- M. Plumbing Plan with Riser Diagrams
- N. Power Plan and Panel Schedule
- O. Electrical and Lighting Plan and Schedule
- P. Fire Protection Plan
- Q. Communications/Data Plan

6. RECOMMENDED PERFORMANCE PERIOD: 240 calendar days

//signed//
ANTHONY DAIUTE, Civ
SABER Project Manager

Attachments:

1. Design Concept.
2. Component Submittals



