



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

STATEMENT OF OBJECTIVES (SOO)

Contract #: FA2823-19-D-A005
Project #: FTFA23MM04
Project Title: Replace AHU'S, Chiller, Boiler in Building 843
Date: November 15, 2023

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 they, 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 on Eglin AFB, Building 843. 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 and installation of chiller, boiler, chilled water pump and boiler pump. system must be operational upon completion of task order. The Contractor is expected to maintain, at all times, good and accepted construction and safety standards.

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:

A. **MECHANICAL:**

- a) Contractor shall replace chiller, boiler, chilled water pump, and boiler pump Bldg. 843. Evaluate existing heat loads in Bldg. 843 to properly design/size the replacement chiller and boiler. New Air-cooled Chiller is to have integrated chilled water pump.
- b) Demo existing chiller and pump 796 CES HVAC shop is to recover refringent and salvage any needed parts. Replace with Air-Cooled Chiller that contains intergraded chilled water pump. Replace any associate piping interconnecting the equipment to connection points, insulation and controls as required. Reconnect new Air-Cooled

Chiller to existing DDC control systems and provide any adjustments to DDC graphics as needed.

- c) Demo existing Boiler and replace with Boiler and pump Replace any associate piping interconnecting the equipment to connection points, insulation and controls as required per design. Reconnect new Boiler to existing DDC control systems and provide any adjustments to DDC graphics as needed.
- d) water used in chillers can leach metals from the chilling tubes, capture the water from the chillers versus allowing it to flow onto ground as stormwater or enter the sanitary sewer.
- e) New HVAC equipment installation shall be coordinated, scheduled, and approved by Facility Manager.

B. ELECTRICAL

- a) Demo existing chiller, boiler and pumps electrical circuits and install new electrical circuits for the new chiller, boiler, and to include wire, conduit, circuit breaker, and disconnects and associated components.
- b) Perform all investigative and design services to determine where they will get power to feed the new HVAC unit, which include all material required and method of installation.
- c) Final installation shall comply with the manufacture recommended instructions and standards.
- d) Install all necessary components to make this a complete and operational system and by all appropriate codes. Insulation must be in accordance with all NEC and UFC requirements.

C. 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.

- a) All air handling units 2000 CFM and larger will require fire alarm shutdown and central shutdown.
- b) 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.
- c) Design and installation must meet all UFC 3-600-01 and applicable NFPA Standards.

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 hazards 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:

- (x) A. Cover Sheet with title and approval block
- (x) B. Existing Site Plan
- (x) C. Floor Plan
- (x) D. Mechanical Plan
- (x) E. Electrical Plan

6. RECOMMENDED PERFORMANCE PERIOD: 400 calendar days (do to lead time on material)

//signed//
Nicholas M. Gage, Civ
SABER Project Manager

Attachments:

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Eglin DDC System
and Network with L

2.



Tab 2A - HVAC
Chiller System Justifi