

Task Order

STATEMENT OF WORK

DATE: 21 Nov 2022

1.0 SCOPE

1.1 This task order (TO) statement of work (SOW) defines the scope of a single task for construction and engineering activities under the Hill Air Force Base Design-Build Multiple Award Construction Contract IV. This SOW is tailored to identify specific Task Order requirements. The Statement of Work for Multiple Award Construction Contract IV, (MACC IV), dated 13 January 2021, applies to this task order except as specifically altered by reference in this document.

1.2 The MACC Contractor shall function as an integral team member in support of the Hill Air Force Base mission, to include the sharing of information with other Hill Air Force Base contractors and cooperation with communities, and other government entities.

1.3 Requirements include efficient project management including accurate, on-time submittals of contract deliverables and timely identification and solution of impediments to successful project execution. Technical requirements include early involvement in the process to allow for the development of the most cost-effective and technically sound solution. Hill AFB will rely on the Contractor's expertise in recognizing and addressing problematic issues and successful execution of this Task Order. The Contractor shall perform all work in accordance with federal, state, and local statutes and regulations.

1.4 PROJECT DESCRIPTION

This project is divided into two Contract Line Item Numbers (CLINs), CLIN 0001: Facility Repair Work, and CLIN 0002: Equipment Costs.

CLIN 0001: Facility Repair Work, consists of a very small portion of this project (estimate to be approximately 2.8% of the total project cost), and includes minor construction work necessary to complete the connection between the HVAC equipment and the building for mechanical and electrical components.

CLIN 0002: Equipment Costs, consists of the majority of this project and includes the items listed below.

1.4.1 The construction contractor shall replace the two air handler units for the two bays inside Building 576 by following the 100% design drawings and specifications labeled “1045686 – 2022-06-09 – HAFB Bldg 576 HVAC – Final Submittal (IFC) - Revised” and “1045686 – 2022-06-09 - HAFB Bldg 576 HVAC – Specifications” respectively.

General Notes for This Project

1.4.2 Due to the recent difficulty and long lead time in obtaining key equipment and materials for projects, the contractor shall not mobilize or start on site work until they have received confirmation of shipping of **ALL** key equipment and materials from the manufacturer/supplier to the contractor. Once that confirmation is received, the Contracting Officer for this project will issue an Authority to Construct authorization to allow construction to begin. In this project, key equipment and materials include: Both air handler units, downstream re-heaters for the air handler units, all VFDs, and communications/controls equipment for the HVAC system.

1.4.2.1 Any other equipment or materials identified by the contractor as having a long lead time should also be added to the list of key equipment and materials. The contractor shall not start construction until they have received confirmation the key equipment and materials have been shipped to the contractor.

1.4.2.2 See section 7.6 for important details concerning equipment submittals as they relate to the requirements in section 1.4.2. The requirements for equipment and material submittals in section 7.6 have been updated to reflect the requirements in section 1.4.2.

1.4.3 The construction contractor shall take special care to not damage any existing equipment found inside of either bay of Building 576. Most of this equipment is attached to the inside of the bays and cannot be removed from the bays during construction. The contractor shall be held financially responsible for any damage done by them or their subcontractors to existing equipment inside of the bays during construction.

1.4.3.1 This requirement extends to protecting all existing equipment inside of either bay from dust, debris, the elements, and freezing.

- 1.4.4 Building 576 sits behind the secure area fence for the flight line. The contractor shall have at least one person with clearance to access the flight line whom can escort all contractors and sub-contractors behind the flight line. This person, or one of these persons, shall stay on site any time contractors or sub-contractors are doing work.
- 1.4.5 The accuracy of all locations and materials shown in the drawings shall be field verified for accuracy by the contractor after award. Any design deficiencies or differing site conditions discovered after award shall be communicated to the Gov. PM and Contracting. A modification will be issued once it is determined that additional work is required by the contractor.
- 1.4.6 The contractor shall be responsible for ensuring the shops at Hill Air Force Base are provided with manuals and training on the operation, maintenance, and calibration of the HVAC system, including the VFDs and how to calibrate them to achieve the required air pressure in the bays in accordance with the 100% design drawings, specifications, and design analysis.

2.0 APPLICABLE DOCUMENTS

The Contractor shall identify and comply with all applicable federal, state, and local statutes. A partial list is presented in at the end of this document and in the Standard Design Criteria. It is the Contractor's fundamental responsibility to identify and comply with all mandatory federal and applicable DoD and Air Force requirements whether or not listed specifically in these two documents.

3.0 GOVERNMENT-FURNISHED INFORMATION, EQUIPMENT, AND PROPERTY (GFI, GFE, GFP)

N/A

4.1 MANAGEMENT, PLANNING, AND REPORTING REQUIREMENTS

The Contractor shall implement the range of construction and engineering activities specified in this Task Order and in accordance with all applicable compliance documents. The Contractor shall supply all labor, equipment, and materials necessary to accomplish the work assigned unless otherwise specified in this Task Order. The Contractor shall perform management and planning functions, including performance measurement and fund status reporting, through the course of this effort.

4.2 Schedule

The contractor shall maintain a detailed working schedule that facilitates the management of the project work and provides the capability for early identification of potential schedule impacts. The schedule shall include negotiated baseline dates and current schedule projections. The current schedule shall be maintained and updated at least monthly to accurately reflect program

progress and provide realistic forecast projections. The contractor shall provide schedule updates at either a detailed level or a summary level as requested by the Contracting Officer (CO) or Project Manager (PM). Additionally, schedule updates that reflect actual schedule progress shall be submitted on AF IMT 3065 or as approved by the CO. Specific schedule and report requirements will be identified in each TO. Unless approved by the Contracting Officer the Contractor shall not begin construction on site until the 100% design package has been approved. For this delivery order the Project Superintendent **may not** act as the Construction Quality Control Manager.

4.3 Project Schedule and Planning Requirements.

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|---|---------------------------------|
| <i>Acquisition of Key Equipment & Materials</i> | <i>100 Calendar Days</i> |
| <i>Construction</i> | <i>80 Calendar Days</i> |
| <i>TOTAL PERFORMANCE PERIOD</i> | <i>180 Calendar Days</i> |

| Item: | Remarks: |
|---|--|
| GENERAL PLANNING CONSIDERATIONS | |
| Project Funding: | <i>Funding guaranteed.</i> |
| Contractor access, staging, storage areas, dumpster locations, chutes and covers for debris removal | <i>Project is behind flight line fence and will require contractor to have access to flight line to accomplish work. A designated staging area is found on the 100% drawing set. This area is recommended and available for the contractors use.</i> |
| Availability of Reference Materials: Site survey, Platt, Operation and maintenance manuals, building as-built drawings, HVAC control drawings/sequences, etc. | <i>All available documentation is provided in 100% design drawings. If additional information needed, the contractor shall submit an RFI to obtain the information.</i> |

4.4 Meeting and Conference Requirements

The Contractor shall perform a site visit and attend the pre-performance conference, preconstruction conference, design review meetings and other meetings necessary to support construction activities. The Contractor also shall attend and support meetings and teleconferences to discuss technical or regulatory issues and project progress and status. The Contractor shall prepare, and submit for review, presentation materials and minutes for meetings and an agenda.

4.5 Contractor Documentation

The Contractor shall create and maintain a Master Document List and/or Submittal Register, i.e. AF Form 66, that includes all documents, whether the document is a deliverable or not, which are prepared during the course of this Task Order. The Master Document List and its documents shall be maintained in libraries readily available for submittal to the Government. All Material Submittals shall be accomplished in accordance with the instructions pertaining to AF Form 3000, Material Approval Submittal.

4.6 Notification Requirements

4.6.1 Health and Safety. The Contractor is required to notify the Contracting Officer and the Air Force Project Manager of critical issues that may affect the contract performance and/or human health and the environment. The types of issues that require notification include, but are not limited to, health risks, spills, changes in critical personnel, and finding unexploded ordnance (UXO). As an example, if UXO were discovered during field activities, the Contractor must immediately stop work, report the discovery to each of the following - the facility Point of Contact (POC), Contracting Officer and the Air Force Project Manager. The Contractor must implement appropriate safety precautions. Field activities shall not continue until clearance is received from the Contracting Officer. On critical issues, verbal notification should be made immediately, followed by written notification as soon as practical.

4.6.2 Special, Critical Point, & Milestone Inspections. The contractor shall notify the government project manager and Title II inspector, if applicable, for compliance at critical points in the schedule as identified below (as they apply):

- Site Inspection: Includes field testing, samples of soils, concrete, asphalt, paints and coatings. Special Inspector should be involved as required.
- Site Utilities: Inspections required while the excavation is open for government owned and privatized utilities.
- Concrete footings, walls/columns, shear walls, slabs on grade, handicap ramps: Includes formwork, rebar placement, elevations.
- Masonry walls: Rebar placement including bond beams.
- Framing prior to wallboard placement.
- Penetration assemblies (firestops and fire resistance rated wall assemblies, duct and air penetration, pipe penetrations, membrane penetration)
- Suspended ceilings
- Roofing, roof sheathing, weather barrier, insulation, windows
- Stucco/lathing

- Brick Veneer
- Drywall (gypsum board)
- Stairs/steps for proper railing height, landing, exiting out the facility Shaft wall (if ever applicable)
- Gas pipe test
- Rough in Mechanical, Heating/Cooling/Water heaters, Hood Types 1 and 2.
- Rough in plumbing, water heater (seismic straps, pan, and drainage requirements), draining/venting systems in bathrooms, sump pump and discharge, shower pan test (where applicable).
- Rough in electrical: panels, mounting junction boxes, grounding, switches, data wires, receptacles, fire alarm.

4.7 Permits

The contractor shall develop, coordinate, and assist in applying for and obtaining all, federal, state, local, and other applicable permits, access (including off-base easements and leases), agreements, licenses, and certifications required to perform and complete each TO. The Contractor shall maintain a library of these documents at the contractor's site office on base as well as the corporate facility handling each TO. The Contractor shall comply with all applicable permit conditions.

The contractor is reminded that all dig permits are required to be submitted 21 days in advance and all outage requests are required to be submitted 28 days in advanced.

| ENVIRONMENTAL | Remarks |
|---|---|
| Hazardous materials present(e.g. asbestos, PCBs, lead-based paint) | The Contractor is cautioned that materials in and around this project may contain asbestos or be coated with Lead-Based Paint (LBP). The government will make every effort to locate and identify and remove all Asbestos Containing Materials (ACM) and LBP prior to bidding; however, this is not always possible. These materials are often hidden and cannot be discovered until after demolition has begun. The failure of the government to identify all ACM and LBP in no way relieves the Contractor from his legal obligation to comply with state and federal regulations regarding the handling of asbestos, lead, or LBP. |
| Known geo-technical issues (e.g. contaminated soil, ground water, etc.) Historical Preservation Clean Air Emissions Permits | None currently known. |

The Contractor shall maintain a library of these documents at the Contractor’s site office as well as the corporate facility handling each TO. The Contractor shall comply with all applicable permit conditions.

5.0 SITE WORK

The Contractor shall coordinate work site activities to ensure the protection of human health and the environment; the prevention of damage to property, utilities, materials, supplies, and equipment; and the avoidance of work interruptions.

The Contractor shall perform site work required under this Task Order in compliance with the following.

5.1 Conservation

Activities shall be planned and implemented in a manner that protects existing site utilities, structures, surface features, service operations, monitoring and other types of wells, and the general site environment. This includes the protection of trees, shrubs, and other vegetation not in the affected zone from dust damage, soil compaction, and physical contact with machines and equipment. If appropriate, the Contractor shall conserve uncontaminated topsoil by removal, storage, or redistribution. All reasonable measures shall be taken to minimize and suppress fugitive emissions of dust, vapors, and other site materials during site work. All fill materials shall be non-contaminated. The Contractor shall conduct all operations and activities with the intent of reducing the amount of pollution generated. Specific areas to be focused on are generation of solid waste, use of hazardous materials, use of ozone-depleting chemicals, generation of hazardous waste, and use of energy and water. The Contractor shall plan,

construct, operate, maintain, optimize, and decommission systems necessary to control storm water run-on and runoff; and transport surface water drainage to a treatment plant, discharge location, or any other destination.

5.2 Site Preparation

The Contractor shall perform site work as necessary to prepare sites for construction activities. Security and access controls shall be implemented to prevent unauthorized entry to sites and to protect wildlife from site exposure. The Contractor shall survey existing utilities to determine adequacy and need for modifications to support site activities. The Contractor shall obtain appropriate approvals and shall construct connections or new systems for electrical power, water, sewer, gas distribution, telephone, and other utilities, as required, to accomplish the activities specified in each TO.

5.3 Demobilization

The Contractor shall decommission facilities as necessary, and restore the site. The Contractor shall remove any temporary facilities and implement erosion control measures such as seeding, mulching, sodding, and erosion control fabrics; restore roads, structures, and utilities; and plant trees, shrubbery, grasses, and other vegetation. The Contractor shall document and report on activities and train Government personnel to perform required maintenance, as requested.

6.0 CONSTRUCTION DOCUMENT PREPARATION.

6.1 Real Property Documentation:

6.1.1 The contractor shall prepare Real Property Data utilizing the DD Form 1354. An Interim DD Form 1354 is required to be submitted by the contractor at 80% completion but not later than 90 days prior to pre-final inspection. To assist the contractor the CE PM will provide corresponding facility numbers, RPUID and category codes for DD 1354 line items. The contractor shall furnish the required quantities and costs for each of the category codes as identified by the CE PM. Beneficial Occupancy will not be granted until the contractor has submitted an acceptable Interim DD Form 1354. The Contractor shall provide a Final DD Form 1354 prior to project closeout and the final progress report being signed by the CE PM and Contracting.

6.1.2 Before Beneficial Occupancy the contractor shall provide detailed information of real property assets of all the building systems as required by the attached Builder Input Sheet.

7.0 SUBMITTAL REQUIREMENTS

7.1 As-built Documents. Provide the following:

7.1.1 Final as-built drawings showing the as-built revision date. Revisions to the approved construction drawings shall be shown using a clouded symbol.

7.1.2 Final as-built specifications.

7.1.3 Final DD Form 1354 in compliance with UFC 1-300-08.

7.1.4 Final Shop Drawings –Digital copies specified in para. 7.5.6.4.

7.2 Final Test Reports.

7.2.1 HVAC Test and Balance Reports

7.2.2 Commissioning Reports

7.2.3 Fire Sprinkler Tests.

7.3 As-built Reproduction Requirements.

7.3.1 As-built Drawings: One 22” X 34” set bound together copy of site trailer detailed construction redlines.

7.3.2 As-built Drawings: One (1) compact disc of all digital drawing files in bound AutoCAD (dwg) format including one (1) file of the complete drawing set in pdf format. AutoCAD Files must be fully editable and match the drawings submitted. Partial files, files with missing attachments or layers or files formatted as read only or protected will not be accepted.

7.3.3 Specifications: One (1) set of revised specifications in Microsoft Word format on compact disc.

7.3.4 As-built Shop Drawings: One digital copy of structural steel and fire suppression shop drawings in AutoCAD (dwg) and pdf formats.

7.3.5 DD Form 1354: One digital copy and one (1) hard copy.

7.6 Equipment submittals. Provide two copies which contain sufficient literature, catalog cuts, brochures, etc., to show compliance with the contract specifications and plans. Submit with standard AF form 3000, dated, signed and identify by individual specification section the item submitting for. This should correlate to the submittal registrar at project inception. Incomplete AF3000 or sloppy documentation of submittal items shall be rejected and will have to be re-submitted. Items of related equipment or materials shall be submitted at one time. Each copy shall be in a separate binder. Mark all submittals to show choices and applicable options. **Key equipment and material submittals as outlined in section 1.4.2 shall be given to the Air Force Project Manager as soon as possible after the Notice to Proceed, but in no case shall key submittals exceed twenty one (21) days after the Notice to Proceed.** All other equipment submittals shall be given to the Air Force Project Manager as soon as possible, but in no case shall the other submittals exceed twenty one (21) days after the **construction start date**. No payments will be authorized for materials or work, which do not have approved submittal requirements.

7.6.1 The government will within 14 calendar days return a minimum of one copy of the submittal marked to indicate approval or disapproval or approved as noted. The Contractor shall make any corrections indicated on the submittals. If the Contractor considers any correction to constitute a change to the contract drawings or specifications,

written notice will be given to the Contracting Officer. Disapproved items will require resubmission for approval within 14 calendar days of Contractor's receipt. The Contractor will not be allowed to claim for time because of disapproved submittals.

7.6.2 Submittals approved by the Air Force shall not relieve the Contractor from responsibility for complying with the requirements of this contract (See FAR 52.236-5). No substitutions for approved items, which meet contract requirements, will be allowed without approval of the Contracting Officer. If submittals show variations from the contract requirements, the Contractor shall describe such variations in writing at the time of submission.