

## STATEMENT OF WORK

FTFA 20CB75, Magnetic Variance Change, Change Runway 1/19  
Designation to Runway 2/20

DESIGN-BUILD

17-February-2021

### PART 1 GENERAL

- 1.1 GENERAL INTENTION: Change Runway (RW) designation pavement markings on RW-1/19, taxiway pavement markings, and taxiway information signs. As a result of RW magnetic variance change to the Eglin Airfield, RW-1/19's new designation shall be RW-2/20. Per 96 OSS Airfield Manager, the magnetic variation shall take place within a year. As soon as the signs are ready, the 96 OSS will work with FAA and USGA to update all the Flight Information Publications (FLIPs). And 96 OSS will have to arrange the sign installation, painting, and publishing all on weekend.
- 1.2 Remove existing signs and provide new signs that complies with current FAA and ICAO requirements and standards, including: FAA AC 150/5340-18, FAA AC 150/5345-44 and ICAO Annex 14, Chapter 5, Visual Aids for Navigation. All signs shall be internally lighted and meet the luminance values indicated in the standards referenced by this Statement-of-Work.
- 1.3 The type and quantity of signs to be replaced with new signs is as follows:  
  
21 Hold Signs,  
24 Informational/Directional Signs,
- 1.4 Regarding pavement markings, the work under this contract will consist of furnishing labor and materials in accordance

with FAA AC 150/5340-1M Standards for Airfield Markings Specifications. The contract will be to replace the runway markings/designation markings: 1 will be changed to 2, and 19 will be changed to 20 for the variance replacement. Will also be replacing the designation markings on the East side (concrete) and West side (asphalt) of the runway on taxiway H. Markings will need to maintain airfield/runway marking schemes consistent with ETL 04-2, Change 1 and UFC 3-260-04.

a) All paint markings shall be consistent with ETL 04-2, Change and UFC 3-260-04.

b) Provide paint markings to match existing airfield markings.

c) Remove existing built-up layers of paint markings.

1.5 Provide labor and materials as required to support the requirements of this statement-of-work.

1.6 The contractor shall include all user define requirements, these requirements will be provided at the pre-design bid meeting and in the field. This contract shall require the execution of both design and construction for the work described in this statement-of-work.

2.1 **GENERAL DESCRIPTION:** The contractor shall be responsible for performing all testing as required for the newly installed items, new grounding system, and existing equipment as required to interface with existing equipment, systems, and hardware. The construction drawings shall be signed and sealed by a licensed Electrical Engineer. Shop drawings shall be provided to the Government. The design and construction shall comply with all the codes and standards referenced by this Statement-of-Work.

3.1 **DESIGN-CONSTRUCTION:** The Design-Engineer shall be responsible for obtaining all As-built drawings from 796 CES/CEOCD Drafting section; the available As-Built drawings for this building are very limited. The contractor shall be

responsible for hiring an Electrical Engineer responsible for the following requirements:

- a) The work shall include original contract drawings, and technical specifications. The Electrical Engineer shall investigate the existing site conditions, and perform all necessary design analysis and calculations as required. A design analysis consisting of a copy of the Engineer's notes and calculations shall be submitted in an organized, readable format.
- b) The Engineer shall be responsible for approving all submittals. After approval a copy shall be sent to the Government.
- c) The Government reserves the right, at no additional cost, to evaluate, critique, and request changes necessary to meet the intent of the Statement-of-Work and Air Force requirements during the initial design up to the 100% submittal.
- d) The drawings shall include the "type of sheets" shown below and any other applicable sheets as required for a complete design. The sheets shall be submitted to the Government for approval or disapproval. All contract drawings to be complete, and accomplished in accordance with the best of professional practices to show clearly and concisely the type and extent of work to be performed to provide the government a "turn-key" system.

- T1 Title Sheet
- E1 General notes, legends, abbreviations
- E2 Existing Airfield Site Plan
- E3 New Airfield Site Plan
- E4 Elevations as required
- E5 Details as required
- E6 Details as required
- E7 Miscellaneous Details, Risers, etc as required

- e) In addition to normal design review conferences and construction conferences, coordination conferences may be held from time to time as required by the Contractor or the Air Force. The contractor may request such conferences when it is deemed necessary by both parties to clarify the work or expedite the preparation of plans and specifications. The Contractor shall be responsible for making memoranda for record of any conversations and minutes of any meetings with Government personnel concerning this project. The Contractor shall forward one copy of these memoranda/minutes to each party concerned and one copy to the Government.
- f) Prospective bidder is expected to visit the areas of work and verify all conditions and dimensions. Submitting a bid will be construed that such examination has been made and later claims for labor, materials, or equipment required for difficulties encountered and/or oversights will not be accepted.
- g) It may become necessary from time to time for the Government to stop the contractor from working due to high priority or sensitive missions. The contractor will cease work as directed by the contracting officer. The contractor may be required to repair or replace items within the scope of the contract to support the continued operation of the base during this time as directed by the contracting officer. For each calendar day and/or portion of a calendar day the contractor is removed from the job site, the contract schedule will be adjusted by one calendar day. Electrical Power Outages and road closures shall be limited to weekends only.
- h) The Contractor shall furnish sufficient technical, supervisory, and administrative personnel at all times to ensure prosecution of the work in accordance with the delivery schedule. Professional level skills and management practices are required in the performance of this contract. The Contractor shall establish an effective quality control program to assure that the end product meets professional standards and complies with the contract requirements.

- i) The contractor shall be allotted 126 calendar days for the design and 126 calendar days for construction.

3.2 SUBMITTALS: The following submittals of plans and specifications are required.

A. Preliminary (approximately 65% design) 7 sets, 1/2 sizes. Submittal is due to be Delivered "TBD. " Drawings shall be 1/2 size on "C" size sheets, with no text smaller than 1/16" on 1/2 size drawings.

B. Intermediate (approximately 95% design) 7 sets, 1/2 sizes. Submittal is due TBD. Drawings shall be 1/2 size on "C" size sheets, with no text smaller than 1/16" on 1/2 size drawings.

C. Final (100% design) original Mylar's, disc, and 5 sets, 1/2 size. Submittal is due TBD. Drawings shall be 1/2 size on "C" size sheets, with no text smaller than 1/16" on 1/2 size drawings.

4.1 FIELD SUPERVISION, STARTUP AND TESTING: The services of a manufacturer's service engineer who is experienced in the installation, adjustment, and operation of the equipment specified shall be provided. The representative shall supervise the installation, adjustment and testing of the equipment. The representative shall that the total system is functioning according to the intent of the design. The field tests shall be performed under the supervision of a factory-trained representative of the equipment manufacturer and witnessed by the Government. The Government shall be given 2 weeks written advance notice of the date and time when testing will be conducted.

5.1 PREPROPOSAL PREDESIGN CONFERENCE: Eglin Procurement shall establish a conference date to include a site visit, with prospective contract bidder.

6.1 SITE INSPECTION: Contractor to visit areas of work and verify All conditions and dimensions.

- 7.1 **APPLICABLE PUBLICATION/REGULATIONS:** Publications referred to in the specifications may include reference dates that do not reflect the current status of the publication. Unless otherwise stated in the specifications (this will be accomplished by stating "Compliance is required with this publication versus any future versions") the current publication is the applicable publication. Where the specification further refers to deviations from these publications, these deviations will be applied to the current publication.
- 8.1 **STORM PROTECTION:** Should warnings of winds of gale force or stronger be issued, the contractor shall take every practical precaution to minimize danger to persons, to the work, and to adjacent property. These precautions shall include closing all openings, removing all loose materials, tools, and equipment from exposed locations, and removing or securing scaffolding and other temporary work.
- 9.1 **INTERFERENCE WITH STATION OPERATIONS:** Permission to interrupt any utility, communication, operational or traffic service or pattern shall be requested in writing at least 3 working days prior to the date of the desired interruption. The Contractor shall receive approval in writing from the Contracting Officer before the requested interruption may be put into effect. Any power outage shall be approved by the Contracting Officer in writing.
- 10.1 **CHEMICAL LATRINE:** The Contractor shall provide, at no additional cost to the government, a minimum of one chemical latrine, and additional latrines at one per 12 workmen, where needed. The latrine(s) will be at the job site for the duration of the contract performance period. The latrine(s) shall be serviced as often as required for sanitary conditions, but in no case shall servicing be less than once per week. Servicing shall comply with all applicable federal, state, and local laws, ordinances, and regulations. The latrine waste shall be disposed of legally off government lands.
- 11.1 **WORK CLEARANCE:** The Contractor shall be responsible for

obtaining and having filled out form AF Form 103, Base Civil Engineering Work Clearance Request. No site work shall be done until this form is completed.

12.1 SCHEDULING: The Contractor shall submit a schedule of proposed work to the Contracting Officer. The schedule shall show the proposed activities, including locations where work is planned and planned shutdown of equipment. All work sequencing and phasing is subject to the approval of the Contracting Officer.

#### TERMS AND CONDITIONS:

**Responsibility of the Architect-Engineer Contractor:** The Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by the Contractor under this contract. The Contractor shall, without additional compensation, correct or revise any errors or deficiencies in its designs, drawings, specifications, and other services. Neither the Government's review, approval or acceptance of, nor payment for, the services required under this contract shall be construed to operate as a waiver of any rights under this contract or of any cause of action arising out of the performance of this contract, and the Contractor shall remain liable to the Government in accordance with applicable law for all damages to the Government caused by the Contractor's negligent performance of any of the services furnished under this contract. The rights and remedies of the Government provided for under this contract are in addition to any other rights and remedies provided by law. If the Contractor is comprised of more than one legal entity, each such entity shall be jointly and severally liable hereunder.

**Requirements for Registration of Designers:** Architects or engineers registered to practice in the particular professional field involved in a State, the District of Columbia, or an outlying area of the United States shall as applicable; prepare, review, and approve the design of architectural, structural, mechanical, electrical, civil, and other engineering features of the work.

**Government Rights:** The Government shall have unlimited rights, in all drawings, designs, specifications, notes and other works developed in the performance of this contract, including the right to use same on any other Government design or construction without additional compensation to the Contractor. The Contractor hereby grants to the Government a paid-up license throughout the world to all such works to which he may assert or establish any claim under design patent or copyright laws. The Contractor for a period of three (3) years after completion of the project agrees to furnish the original or copies of all such works on the request of the Government.

**Rights in Shop Drawings:** The Government may duplicate, use, and disclose in any manner and for any purpose, shop drawings delivered under this contract. Shop drawings for construction means drawings, submitted to the Government by the Construction Contractor, subcontractor or any lower-tier subcontractor pursuant to a construction contract, showing in detail (i) the proposed fabrication and assembly of structural elements and (ii) the installation (i.e., form, fit, and attachment details) of materials or equipment.

**Drawings And Other Data To Become Property Of Government:** All designs, drawings, specifications, notes and other works developed in the performance of this contract shall become the sole property of the Government and may be used on any other design or construction without additional compensation to the Contractor. The Government shall be considered the “person for whom the work was prepared” for the purpose of authorship in any copyrightable work under 17 U.S.C. 201(b). With respect thereto, the Contractor agrees not to assert or authorize others to assert any rights nor establish any claim under the design patent or copyright laws. The Contractor for a period of three (3) years after completion of the project agrees to furnish all retained works on the request of the Government. Unless otherwise provided in this contract, the Contractor shall have the right to retain copies of all works beyond such period.

**Suspension of Work:** The Government may order the Contractor, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Government determines appropriate for the convenience of the Government. If the performance of all or any part of the work is, for an unreasonable



period of time, suspended, delayed, or interrupted (1) by an act of the Government in the administration of this contract, or (2) by the Government's failure to act within the time specified in this contract (or within a reasonable time if not specified), an adjustment shall be made for any increase in the cost of performance of this contract (excluding profit) necessarily caused by the unreasonable suspension, delay, or interruption, and the contract modified in writing accordingly. However, no adjustment shall be made for any suspension, delay, or interruption to the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor, or for which an equitable adjustment is provided for or excluded under any other term or condition of this contract. A claim shall not be allowed -- (1) For any costs incurred more than 20 days before the Contractor shall have notified the Government in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

**Contractor's Access to Base:** The contractor shall obtain base identification and vehicle passes, if required, for all contractor personnel who make frequent visits to or perform work on the Air Force installation(s) cited in the contract. Contractor personnel are required to wear or prominently display installation identification badges or contractor-furnished, contractor identification badges while visiting or performing work on the installation. The contractor shall submit a written request on company letterhead to the Government listing the following: contract number, location of work site, start and stop dates, and names of employees and subcontractor employees needing access to the base. The letter is required regardless of the length of visit and will also specify the individual(s) authorized to sign for a request for base identification credentials or vehicle passes. The Government will endorse the request and forward it to the contract specialist for processing into the Security Forces data base. Contractors requiring base access for meetings or site visits must complete the Eglin CAB (Contractor Access Badge) Affidavit. Contractors requiring access to work on base will need to complete the Eglin CAB Affidavit and a Form I-9 (Employment Eligibility

Verification). These documents must be delivered to the Eglin AFB East Gate Pass and ID Office in a sealed envelope with a point of contact (POC) and phone number on the front of the envelope. You may also mail or FEDX the documents to: 96 Security Forces Squadron, Bldg 272, 302 West D Ave, Eglin AFB FL 32542, Attn Pass & Registration. Anticipate a three-day lead time for Security Forces to process the documents and conduct the required background check. Once the background check is complete, a copy will be returned to the POC listed on the envelope. The prime contractor can provide paperwork for their subcontractor(s) and submit as many documents per envelope as necessary. When reporting to the registration office, the authorized contractor individual(s) should provide a valid driver's license, current vehicle registration, valid vehicle insurance certificate and social security card to obtain a vehicle pass. All deliveries to contractor work sites on Eglin AFB main base must go through the North Gate, located off SR-85 South. Trucks trying to enter the East, West or the ACC gate will be turned around and told to use the North Gate. Contractors' work trucks carrying equipment and tools are also required to use the North Gate. During performance of the contract, the contractor shall be responsible for obtaining required identification for newly assigned personnel and for prompt return of credentials and vehicle passes for any employee who no longer requires access to the work site. When work under this contract requires unescorted entry to controlled or restricted areas, the contractor shall comply with [AFI 31-101, Volume 1](#), *The Air Force Installation Security Program*, and [AFI 31-501, Personnel Security Program Management](#) citing the appropriate paragraphs as applicable. Upon completion or termination of the contract or expiration of the identification passes, the prime contractor shall ensure that all base identification passes issued to employees and subcontractor employees are returned to the issuing office. Failure to comply with these requirements may result in withholding of final payment.