



**Robert Gray
Army Radar Approach Control (ARAC)
Renovation Contract
Fort Hood, TX**



**Submitted to:
Mike Wilson
Operations Manager
Killeen-Fort Hood Regional Airport
8101 Clear Creek Road, Box C
Killeen, TX 76549
(254) 501-8704 – office**

**Submitted By:
KAYA Associates, Inc.
135 Crestview Court
Nicholasville, KY 40356**

15 July 2016

Exhibit "A"

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Mike Wilson
Operations Manager
Killeen–Fort Hood Regional Airport
8101 Clear Creek Road, Box C
Killeen, TX 76549
(254) 501-8704 – office

Subject: Robert Gray ARAC Renovation – Contract

Dear Mr. Wilson:

KAYA Associates, Inc. (KAYA) is pleased to provide this proposed contract to the City of Killen, Killeen–Fort Hood Regional Airport. Founded in 2003, KAYA is a Veteran Owned Small Business (VOSB) headquartered in Huntsville, AL. We maintain a Top Secret Facility Clearance. KAYA is a \$30M business with over 133 employees, a \$5 million line of credit, a DCAA/DCMA approved accounting system, and no liabilities.

The table below contains a summary of Point-of-Contact (POC) and business information.

Firm	KAYA Associates, Inc.
Address:	101 Quality Circle Suite 120 Huntsville, AL 35806-4530
Contractual POC:	Lisa Gilmore Phone: 256-713-1565 Email: gilmorel@kayacorp.com
Technical POC:	Steve Johnson Phone: 859-948-5952 Email: johnsons@kayacorp.com
CAGE Code	3FA29
DUNS #	131043189
Tax ID Number (TIN)	84-1624495

KAYA has worldwide experience installing, repairing, and maintaining a myriad of Air Traffic Control (ATC) navigation, communications, and telecommunications equipment for our ATC customers. Our installation team provides turnkey “cradle to grave” services, from site preparation, construction/installation, heavy equipment operation, rigging and lifting, integration, tower erection, fabrication, repair, checkout and testing, modification, and site acceptance to de-installation/removal and site demolition for ATC and Air Traffic Services facilities, as well as upgrade of electrical/electronic equipment and systems (hardware and software). We have performed communication equipment upgrades and installation work in both CONUS and OCONUS at over 80 locations in 8 countries and in 29 states, including remote and inhospitable environments.

KAYA’s proposed cost for this effort is **\$733,598.00** (tax not included), which will be valid for 60 days.

Work under this contract will consist of providing all equipment, materials, and personnel required for engineering, fabrication, deinstallation, reinstallation of existing equipment, installation of new equipment/material, integration, and testing to support the Fort Hood, TX Robert Gray Army Airfield (RGAAF) Army Radar Approach Control (ARAC) Renovation Project. This project will encompass the full range of project management, engineering, procurement, fabrication, deinstallation, reinstallation, and installation of new and testing services as required to support the RGAAF ARAC Renovation Project at Fort Hood, TX. Specific work elements to be accomplished are as follows:

1. Engineering:

- Perform a detailed engineering site survey that will provide a systematic approach to successfully transition the current ARAC operations to the Transportable Air Traffic Control Communications and Radar Operations Facility (TACROF) (limited to TACROF capabilities), deinstall ATC equipment, and reinstall/install ATC equipment after the facility renovation is completed. Survey items include:
 - Cable Tray/Ladder
 - Airfield Interconnect Cabling
 - Power Distribution
 - Surge Protection Device (power, communications, and RF as required)
 - Equipment Grounding and Bonding
 - Lightning Protection System
- Provide an Engineering Installation Package (EIP) with a detailed List of Materials (LOM).
- Prepare redlined drawings documenting any changes during reinstallation/installation.
- Provide as-built drawings in accordance with any redline changes that depict the final condition of the ARAC Renovation Project within 30 work days after site acceptance.

2. TACROF:

- Pack and ship the TACROF from Fort Riley, KS to RGAAF.
- Accomplish site preparation at RGAAF for the TACROF as detailed in the approved EIP, which may include:
 - Install any cabling needed for ATC services between the TACROF shelter(s) and the RGAAF ARAC and ATCT.
 - Power distribution.
 - Install any new surge protection systems/devices needed to support the TACROF power, communications, and RF.
 - Identify any new grounding upgrades/systems needed to connect to the Earth Electrode System (EES) to support the TACROF.
 - Identify any new grounding upgrades/systems needed to connect to the Multipoint Ground System (MPG) to support the TACROF.
 - Identify any new LPS upgrades/systems needed to support the TACROF.
 - Integrate the TACROF into the existing ATC network on the airfield.
 - Provide air conditioning (AC) and power system maintenance for 18 months (estimated at one annual service). System maintenance does not include major repairs such as condensers or power system batteries.

3. Deinstallation:

- Deinstall all ATC equipment, consoles, racks, cabling, and ancillary items associated with the ATC equipment.
- Deinstalled items to be reinstalled will be transported to a secure storage area provided by the customer.
- Deinstalled items not being reinstalled will be disposed of per customer direction.

4. Reinstallation/Installation IAW approved EIP:

- Install and reconfigure equipment racks/consoles. Existing cabinetry from the IFR room will be reinstalled in a separate area to support the simulator/training.
- Install all ATC peripheral equipment into Government furnished cabinetry in the IFR room.
- Install new Intermediate Distribution Frame (IDF).
- Install new branch power circuits and grounding.
- Install new signal cabling and connectors. All cabling will be labeled for identification and traceability.

- Reinstall all ATC equipment.
- Install Government furnished ILS Glide Slope tower onto the Government furnished (renovation contractor) foundation located outside on the back side of the ARAC Equipment Room.

5. Site Testing and Acceptance:

- Integration and testing of all installed equipment
- Technical Acceptance Recommendation (TAR)

References:

- NFPA 780, Standard for the Installation of Lightning Protection Systems, December 2014
- FAA-STD-019e, Standard for the Installation of Lightning Protection Systems, 22 December 2005
- FAA-STD-020b, Transient Protection, Grounding, Bonding, and Shielding Requirements for Electronic Equipment, 11 May 1992
- NFPA 70 National electric Code (2014)

KAYA looks forward to the opportunity to provide high quality, responsive support to the City of Killen, Killeen–Fort Hood Regional Airport.

If you have any questions or comments, please contact me at (859) 948-5952 or by email to johnsons@kayacorp.com.

Sincerely,



Steven R. Johnson
 Operations Manager, NAVAIDS-ATC
 KAYA Associates, Inc.

CITY OF KILLEEN

By: _____
Signature

Name: _____
Printed Name

Title: _____

Date: _____

Attest: _____