STATEMENT OF WORK
BACKFLOW PREVENTER UPGRADES
PRQE262161

SW 1. LOCATION: Various locations across McConnell AFB, Wichita, Kansas. Arrangements for entrance onto McConnell AFB must be made by contacting the 184th Civil Engineer Squadron Operations Flight (184 CES/CEO) at (316) 759-7490 between the hours of 0800 and 1500, Monday through Friday. ACCESS IS RESTRICTED, ESCORTS SHALL BE PROVIDED BY THE BUILDING OCCUPANTS.

1.1. Building 33
1.2. Building 44
1.3. Building 44
1.4. Building 48
1.5. Building 65

SW 2. SCOPE OF WORK: The work covered in this contract consists of furnishing all labor, expertise, equipment, materials, facilities, transportation, and appliances necessary to perform operations in connection with the work described in paragraph **SW 3**. It is the intent of the government for the contractor to provide a complete and usable system. Any relevant details required for a complete system that are omitted in the contract plans and specifications will be provided by the Contractor at no cost to the government.

SW 3. SUMMARY OF WORK: Work shall consist of the removal of the five backflow preventer systems varying in size and purpose and the installation of five new backflow preventer systems, replacing the existing systems. The current systems are nearly 5 years old and are beginning to fail or have already failed, leading to a lack of confidence in the system. This project allows for the replacement of the five backflows as they are described below. The contractor will be responsible for removal, proper sizing, connections, installation of the new backflow preventers, testing/certifying, and when complete there will be no defects nor leaks. The project needs to include the following:

3.1. Building 33, Southwest Bay – 6-inch diameter Backflow Preventer System for Fire Suppression
- **3.1.1.** Remove the existing 6-inch diameter Fire Suppression Backflow Prevention System.
- **3.1.2.** Install a new 6-inch diameter Fire Suppression Backflow Prevention System.
- **3.1.3.** Testing of the newly installed 6-inch diameter Fire Suppression Backflow Prevention System by a certified installer/tester that meets the requirements set up by the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County.
- **3.1.4.** Upon completion of the certification of the Backflow Prevention System, provide the 184 CES/CEO with the following:
  - **3.1.4.1.** Backflow Prevention System's Installation Date
  - **3.1.4.2.** Backflow Prevention System's Manufacture
  - **3.1.4.3.** Backflow Prevention System's Model
  - **3.1.4.4.** Backflow Prevention System's Serial Number
  - **3.1.4.5.** Backflow Prevention System's Rebuild Kit Specifications
  - **3.1.4.6.** Backflow Prevention System's Description

3.2. Building 44, Room 122, South wall – 4-inch diameter Backflow Preventer System for Fire Suppression and Double Check Valve
- **3.2.1.** Remove the existing 4-inch diameter Fire Suppression and Double Check Valve Backflow Prevention System.
- **3.2.2.** Install a new 4-inch diameter Fire Suppression and Double Check Valve Backflow Prevention System.

3.2.3. Testing of the newly installed 4-inch diameter Fire Suppression and Double Check Valve Backflow Prevention System by a certified installer/tester that meets the requirements set up by the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County.

3.2.4. Upon completion of the certification of the Backflow Prevention System, provide the 184 CES/CEO with the following:

3.2.4.1. Backflow Prevention System's Installation Date

3.2.4.2. Backflow Prevention System's Manufacture

3.2.4.3. Backflow Prevention System's Model

3.2.4.4. Backflow Prevention System's Serial Number

3.2.4.5. Backflow Prevention System's Rebuild Kit Specifications

3.2.4.6. Backflow Prevention System's Description

3.3. Building 44, Room 118, Interior, Southeast wall – 1-inch diameter Backflow Preventer System for Boiler Makeup

3.3.1. Remove the existing 1-inch diameter Boiler Makeup Backflow Prevention System.

3.3.2. Install a new 1-inch diameter Boiler Makeup Backflow Prevention System.

3.3.3. Testing of the newly installed 1-inch diameter Boiler Makeup Backflow Prevention System by a certified installer/tester that meets the requirements set up by the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County.

3.3.4. Upon completion of the certification of the Backflow Prevention System, provide the 184 CES/CEO with the following:

3.3.4.1. Backflow Prevention System's Installation Date

3.3.4.2. Backflow Prevention System's Manufacture

3.3.4.3. Backflow Prevention System's Model

3.3.4.4. Backflow Prevention System's Serial Number

3.3.4.5. Backflow Prevention System's Rebuild Kit Specifications

3.3.4.6. Backflow Prevention System's Description

3.4. Building 48, Room 107, East wall – 4-inch diameter Backflow Preventer System for Fire Suppression

3.4.1. Remove the existing 4-inch diameter Fire Suppression Backflow Prevention System.

3.4.2. Install a new 4-inch diameter Fire Suppression Backflow Prevention System.

3.4.3. Testing of the newly installed 4-inch diameter Fire Suppression Backflow Prevention System by a certified installer/tester that meets the requirements set up by the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County.

3.4.4. Upon completion of the certification of the Backflow Prevention System, provide the 184 CES/CEO with the following:

3.4.4.1. Backflow Prevention System's Installation Date

3.4.4.2. Backflow Prevention System's Manufacture

3.4.4.3. Backflow Prevention System's Model

3.4.4.4. Backflow Prevention System's Serial Number

3.4.4.5. Backflow Prevention System's Rebuild Kit Specifications

3.4.4.6. Backflow Prevention System's Description

3.5. Building 65, Room 154, Interior, South – 2.5-inch diameter Backflow Preventer System for domestic water

3.5.1. Remove the existing 2.5-inch diameter domestic water Backflow Prevention System.

3.5.2. Install a new 2.5-inch diameter domestic water Backflow Prevention System.

3.5.3. Testing of the newly installed 2.5-inch diameter domestic water Backflow Prevention System by a certified installer/tester that meets the requirements set up by the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County.

3.5.4. Upon completion of the certification of the Backflow Prevention System, provide the 184 CES/CEO with the following:

3.5.4.1. Backflow Prevention System's Installation Date
3.5.4.2. Backflow Prevention System's Manufacture
3.5.4.3. Backflow Prevention System's Model
3.5.4.4. Backflow Prevention System's Serial Number
3.5.4.5. Backflow Prevention System's Rebuild Kit Specifications
3.5.4.6. Backflow Prevention System's Description

SW 4. CODES & STANDARDS: All work performed under this contract shall be in accordance with federal, state and local codes & standards, as well as widely accepted industry standards, including but not limited to: American Institute of Architects, American Concrete Institute, American Institute of Electrical Engineers, American Institute of Steel Construction, American National Standards Institute, American Society of Heating, Refrigerating and Air-Conditioning Engineers, American Society of Mechanical Engineers, American Society of Testing Materials, National Bureau of Standards, National Electric Code, American Welding Society, Brick Institute of America, Building Officials and Code Administrators, Federal Aviation Administration, National Fire Protection Association, National Electric Code, Occupational Safety & Health Administration (OSHA), Rubber Manufacturers Association, Underwriters Laboratories, the Kansas Department of Transportation, and the board of appeals of plumbers and gas fitters of the city of Wichita & Sedwick County standard specification. Additionally, all requirements of the Kansas Department of Health must be satisfied in their entirety for any work performed or materials bought under this contract. Failure to comply with any of the aforementioned codes and standards shall be considered as failure to comply to contract specifications.

SW 5. UTILITIES: Contractors shall coordinate with all local utilities having jurisdiction.

SW 6. CALL BEFORE YOU DIG: All contractors shall be responsible for locating any or all utilities for any excavations or penetrations into the ground greater than 12-inches deep.

SW 7. CONFINED SPACE: The Contractor shall provide a confined space entry permit to the Base Engineers Office prior to any entry into a permit-required confined space. The following steps shall be accomplished to acquire authorization to open or enter a confined space:

7.1. The Contractor shall provide written notice to the Contracting Office Technical Representative, (COTR) defining exact location of space requiring entry.

7.2. A Kansas Air National Guard (KANG) Confined Space Supervisor shall brief the Contractor on the following:

7.2.1. The contents of the space and known hazards that make the space permit required.
7.2.2. The precautions and procedures that have been implemented by the organization to protect KANG personnel.
7.2.3. Emergency rescue responsibilities to determine whether the Contractor supplies the rescue team or if the installation fire department is expected to supply a rescue function.
7.2.4. It is the Contractor's responsibility to contact the Fire Chief on the installation if the Contractor is planning to use the installation fire department as a rescue function.
7.2.5. Standard procedures if the project requires a combined effort involving both KANG and contracted personnel to access the space at the same time.
7.2.6. Contractor shall follow Air Force Occupational Safety and Health Standard 91-25 and Occupational Safety and Health Administration 29 CFR 1910.146.

7.3. A written record of the briefing shall be signed by the Contractor and Confined Space Supervisor and kept on file in the project folder.

7.4. The Contractor accepts full responsibility at this point to initiate and maintain the permit and supply all material, equipment and labor to test, monitor, enter and exit the space in a safe manner.

7.5. The Contractor's Confined Space Entry Permit shall be kept on site during entry to the space. A copy of the Contractor's Permit shall be returned to the COTR at the completion of the project.

SW 8. MATERIALS: All materials shall conform to specifications, applicable industry codes and standards and the manufacturer's recommendations, whichever is more stringent. In addition, Hazardous Materials (HAZMATs) brought onto any Department of Defense (DoD) installation shall be properly identified, managed, and tracked. A certificate of compliance and Safety Data Sheets (SDS) are required for all materials supplied.

8.1. FEDERAL ACQUISITION REGULATION (FAR) CLAUSES.

8.1.1. FAR 52.223-3, *Hazardous Material Identification and Material Safety Data*. Contractors are required to list any HAZMATs to be delivered under the contract. The appropriate SDS shall be submitted and list any appropriate identification number such as a National Stock Number (NSN) or Special Item Number (SIN). The apparently successful contractor agrees to submit these items prior to the award of the contract. Failure to submit the SDSs prior to award may result in the apparently successful contractor being considered non-responsible and ineligible for award. If after the contract is awarded and there is a change in the makeup of the materials previously submitted making them inaccurate or incomplete, then the Contractor shall promptly notify the contracting officer and resubmit the data.

8.1.2. FAR 52.223-5, *Pollution Prevention and Right-to-Know Information*. Contractors shall provide all information needed by Federal facilities to comply with the following, emergency notice requirements, list of material SDSs, emergency and hazardous chemical inventory forms, toxic chemical release inventory, and recycling information.

8.1.3. FAR 52.223-7, *Notice of Radioactive Materials*. Contractors shall notify the contracting officer in writing before delivering items that contain radioactive materials. The notice must also be provided before completing any servicing required by the contract. At a minimum, the written notice shall include and expound on the part(s) of the item that contain radioactive materials, the name and activity of the isotope, the material's manufacturer, and any other information the contractor knows that will help users understand the hazards involved.

8.1.4. FAR 52.223-19, *Compliance with Environmental Management Systems (EMS)*. Contractors shall conform with all operational controls identified in the applicable agency of facility EMS and provide monitoring and measurement information necessary for the Government to address environmental performance relative to the goals of the EMS.

8.2. MCCONNELL AFB HAZARDOUS MATERIALS MANAGEMENT PROGRAM (HMMP).

8.2.1. HMMP § 3.6.1., Contractors are not required to use EESOH-MIS. However, contractors must submit to the Contracting Officer Representative (COR) the information and supporting documentation (including current manufacturer's SDS) necessary to obtain HAZMAT usage authorization.

8.2.2. HMMP § 3.6.2., The COR shall coordinate with the 22 CES/CEIEC Hazardous Material Program Manager to obtain approval of all hazardous materials that are brought on-site by the contractor.

8.2.3. HMMP § 3.6.3., The contractor shall maintain an up-to-date hazardous material inventory and a complete copy of all approved SDSs for all materials used on the job site. All contractors will report data on the HAZMAT used during the performance of the contract and by the 6th of each month, send a list to the COR reporting the quantity of each material used during the preceding month. The COR will submit that data to 22 CES/CEIEC, EESOH-MIS Support Office, Bldg. 1096.

8.2.4. HMMP § 3.6.4., If the contractor needs to bring new material on the installation that was not included in the original HAZMAT listing, the contractor must notify the COR who will coordinate with the EESOH-MIS Support Office for authorization of the new material.

8.2.5. HMMP § 3.6.5., The contractor shall take appropriate actions to comply with waste minimization and pollution prevention practices and policies. If a contractor generates hazardous waste while performing their contract on McConnell AFB, they will coordinate with the Hazardous Waste Office for disposal instructions.

SW 9. SITE INSPECTION: The Contractor is required to acknowledge, at time of Bid Opening that said contractor has inspected and is fully cognizant of conditions at the site. No allowance or consideration will be given after award for any condition(s) which was/were existing at the time of the site visit.

SW 10. BASE ACCESS: The contractor shall be granted access to McConnell Air Force Base to complete this project. All other areas are off limits. The Government reserves the right to deny access to any person, with no consequences to the contract.

10.1. Contractors will be provided with a Base Access Form that must be filled out for any individual requiring access to the Base for this project. The completed forms must be e-mailed to the Point of Contact (POC) who will forward them to security to be processed. The security check process usually takes a minimum of five days. Individuals must provide a Real ID form of identification and if driving they will need a valid driver's license, automotive registration, and proof of insurance at the time they pick up their base passes or badges at the Visitor Center located at the East Gate off Rock Road; following initial pick up, contractors are required to produce the forementioned documentation upon request After Contractors have their pass or badge they should enter the Base through the Inspection Area at the West Gate. Access is limited to travel from the Gate to the job site. All other areas are off limits. Vehicle passes are not transferable to other vehicles. The Government reserves the right to deny access to any person, with no consequences to the contract.

10.2. Access and General Protection/Security Policy and Procedures. This standard language is for contractor employees with an area of performance within Government controlled installation, facility, or area. The contractor shall comply with all applicable installation/facility access and local security policies and procedures, which may be obtained from the Contracting Officer's Representative (COR). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by the local installation's Security Forces, Director of Emergency Services, or local Security Office. The contractor shall ensure compliance with all personal identity verification requirements as directed by Department of Defense (DoD), Headquarters Air Force (HAF) and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes.

10.3. For contractors that do not require Common Access Cards (CACs) but require access to a DoD Facility and/or Installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (AFI 31-101 and AFI 10-245), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

SW 11. SAFETY: Compliance with OSHA and other applicable laws and regulations for the protection of employees is exclusively the obligation of the commercial contractor. Government employees must comply with Air Force Occupational Safety and Health (AFOSH). All contractors and employees will attend a pre-construction meeting prior to project work beginning.

SW 12. CLEAN-UP: Clean-up and remove debris generated by this contract to an approved off-base location. Two copies of the receiving (tipping or dumping) tickets, with a cover letter from the Prime Contractor stating the full name and address of the location to which debris was taken.

SW 13. GOVERNMENT RESOURCES: No Government resources shall be made available to the contractor, unless otherwise stated in this Statement of Work. The contractor shall provide all necessary resources to complete the work as described in the contract document. The contractor shall not obligate Government resources in any manner. The Government shall seek remedy for any obligation or encumbrance imposed by the Contractors' actions. Government resources include, but are not limited to, government owned materials, equipment, tools, vehicles, personnel and facilities.

SW 14. SUPPLEMENTAL ATTACHMENTS:

Conceptual Drawings (not to be used for construction purposes)