

Date: 13 September 2023

Project Name: 10-040 Roof Repair
Subject: Scope of Work

GENERAL STATEMENT OF WORK

The scope of work under this contract is to repair by replacement the roof of building 10-040 at Pine Bluff Arsenal (PBA). This building is an approximately 5,479 square feet general purpose administrative building originally constructed in 1942. The existing roof is constructed of asphalt shingles. PBA requires a new roof system consisting of a standing seam metal roof to be installed on building 10-040.

SCOPE OF WORK

1. Contractor shall provide all labor, materials, and equipment to remove and dispose of existing roof system. Work shall include, but is not limited to, removal of shingles, flashing, gutters, downspouts, insulation, vents/ventilators, etc.
2. Contractor shall provide all labor, materials, and equipment to repair any water damage to the decking material.
3. Contractor shall provide all labor, materials, and equipment to install new roof system. Work shall include, but is not limited to, installation of 22 ga. galvalume metal roof panels, add attic insulation to minimum R-30, flashing, cover-board, reglets, gutters, downspouts, and vents/ventilators.
 - a. Metal roof panels shall be Pantone 425 C (Hex Color # 54585a) or Government approved alternate.
 - b. Gutters and Down Spouts shall be Pantone 7497C (Hex Color # 7a7256) or Government approved alternate.
4. Contractor shall provide detailed maintenance instructions for the new roof system.
5. All work shall be done in accordance with UFC 3-110-03 and all other applicable local, state, and federal regulations.

Warranties:

- a. Roof Manufacturer Warranty-

Contractor to furnish the roof material manufacturer's 20-year, no dollar limit roof system materials and installation workmanship warranty, including flashing, insulation, and accessories necessary for a watertight roof system construction. Provide warranty directly to the Government and commence warranty effective date at time of Government's acceptance of the roof work.

The warranty must state that:

- If within the warranty period the roof system, as installed for its intended use in the normal climatic and environmental conditions of the facility, becomes non-watertight, shows evidence of moisture intrusion within the assembly, splits, tears, cracks, delaminates, separates at the seams, or shows evidence of excessive weathering due to defective material or installation workmanship, the repair or replacement of the defective and damaged materials of the roof system assembly and correction of defective workmanship are the responsibility of the roof manufacturer. All costs associated with the repair or replacement work are the responsibility of the roof membrane manufacturer.
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- When the manufacturer or his approved applicator fail to perform the repairs within 72 hours of notification, emergency temporary repairs performed by others does not void the warranty.

b. Roof System Installer Warranty-

The roof system installer must warrant for a minimum period of two years that the roof system, as installed, is free from defects in installation workmanship, to include the roof membrane, flashing, insulation, accessories, attachments, sheet metal installation, or any other component integral to a complete watertight roof system assembly. Write the warranty directly to the Government. The roof system installer is responsible for correction of defective workmanship and replacement of damaged or affected materials. The roof system installer is responsible for all costs associated with the repair or replacement work.

c. Continuance of Warranty-

Repair or replacement work that becomes necessary within the warranty period must be approved, as required, and accomplished in a manner that restores the integrity of the roof system assembly and validity of the manufacturer warranty for the remainder of the manufacturer warranty period.

d. Minimum Qualifications-

Contractor shall provide:

- Proof of at least three years of membership in a professional or trade roofing-related organization such as National Roofers Contracting Association (NCRA), Roof Consultants Institute (RCI), or a state Roofing Contractors Association.
- Documented five years of experience and five jobs of similar complexity, size, and cost.
- Proof of certification by the manufacturer that the installer is qualified to install the roofing system specified.
- Letter from a Registered Roof Consultant (RRC), Registered Architect (RA), or Professional Engineer (PE) that they are familiar with the installer's work and the installer has demonstrated the skill and workmanship necessary to meet NRCA and industry standards.

CONDITIONS:

- e. The contractor shall provide all materials, equipment, tools, and labor for the execution of this contract. Contractor shall be responsible for loading and unloading of equipment, to include forklift or other equipment, operator, and labor.
 - b. Changes or deviations shall be submitted in writing to the contracting officer for approval or rejection.
 - c. Any alteration to the project shall be approved by the Contracting Officer prior to execution and at the expense of the contractor.
 - d. Design engineering drawings, software and any other documents including editable copy in original file format developed and submitted to the government as part of this contract become the property of the U.S. Government. The government shall have the right to reproduce and subsequently edit any of these documents and will reserve the right to procure parts, components, or the entire system from any source capable of producing it.
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LOCATION OF WORK: The local work covered by this specification is to be performed at Pine Bluff Arsenal. Postal address is Pine Bluff Arsenal, Pine Bluff, Arkansas 71602-9500. Carload freight address is Baldwin, Arkansas on either the Union Pacific R.R. or the St. Louis Southwestern R.R. The Arsenal is located off Highway 65, Exit 32, about 12 miles northwest of Pine Bluff and 35 miles southeast of Little Rock. The exact job starts and stop locations will be verified in place.

ORDER AND SCHEDULING OF WORK: When performing work on Pine Bluff Arsenal the Contractor shall adhere to the normal duty hours of the Arsenal which are 6:30 AM to 4:00 P.M., Monday through Thursday. No work will be permitted on Government holidays, days that are observed in lieu of Government holidays and days that are declared non-workdays by the Commanding Officer of Pine Bluff Arsenal or officials of higher headquarters. Deviations from the above must be approved in writing by the Contracting Officer at least two working days prior to the proposed deviation.

- a. Recognized Federal Holidays: Work shall be performed excluding Federal Holidays. The current list of observed federal holidays is as follows:

New Year's Day	Labor Day
Martin Luther King Jr.'s Birthday	Columbus Day
President's Day	Veteran's Day
Memorial Day	Thanksgiving Day
Juneteenth National Independence Day	Christmas Day
Independence Day	

DISPOSAL OF EXCESS REMOVED MATERIALS: All salvaged rubble, material, and equipment will remain the property of the Government.

- a. Uncontaminated rubble, materials, and equipment, will be delivered to an erosion control area as directed by the Contracting Officer. Materials and equipment will be placed in "like material" stacks when delivered to the Property Disposal Yard.
- b. Contaminated rubble, materials, and equipment will be placed in containers and delivered to a material holding area as directed by the Contracting Officer.

SECURITY REQUIREMENTS:

Contractor shall complete the following prior to start of work: AT level 1 training (general), Access and general protection policy and procedures for contractor not eligible for CAC, but requires access to DoD facility or installation, and iWATCH training.

SAFETY REQUIREMENTS:

- a. General: Limited emergency first aid, to prevent loss of life or limb, is available for contractor personnel at the U.S. Army Health Clinic for injuries sustained in the performance of their duties. This service is normally available from 7:30 A.M. to 4:00 P.M., Monday through Friday. For life threatening emergencies after duty hours, contractor personnel will notify the Medical Officer of the day. For any other injury, contractor personnel should go to Jefferson Regional Medical Center or see their private physician. Use of this Health Clinic constitutes compliance with the First Aid Requirements of the Corps of Engineers Manual EM 385-1 as referenced in, FAR 52.236-13 "Accident Prevention". The requirements of Department of Labor, Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910 or EM 385-1, General Safety Requirements, whichever is the most stringent, will be followed.
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- b. No fire or flame producing device will be used on the Arsenal without prior approval of the Contracting Officer. The Contractor shall also be required to obtain a burn permit from the Fire Department. This includes all forms of welding.
- c. Smoking will not be permitted in the production area, except in designated areas.
- d. Equipment will be maintained in a safe operating condition and a fire safe condition at all times. It shall be stored in a designated area, approved by the Contracting Officer.
- e. Hoists, cranes, derricks, or similar equipment shall not be operated where it is possible to bring any part of the machine, suspended load, or lines closer than ten feet to power lines unless the lines have been de-energized and grounded.
- f. Work will be performed in a manner which will allow the passage of traffic, especially emergency vehicles, at all times. Where only one lane is open to traffic, adequate warning signs and flagmen will be used.
- g. All personnel working at Pine Bluff Arsenal must have a safety briefing given by Safety personnel prior to beginning work.
- h. Contractor shall provide the names and personnel data on all employees scheduled for this contract work at PBA, to the Contracting Officer at least one week prior to actual work. This is necessary for proper identification and issue of security pass to each employee for access to PBA job site.

Environmental Requirements:

1. Compliance with Environmental Laws and Regulations: Contractor shall comply with all applicable federal, state, and local environmental laws, statutes, regulations, executive orders, permits, Army regulations (with supplements), as well as Major Subordinate Command (MSC) and installation regulation, policy, Host Tenant Agreement, Interagency Service Support Agreement, or Status-of-Forces Agreement. Contractor shall immediately report any conflicts between applicable federal, state, local environmental laws, statutes, executive orders, and provisions of Army Regulation 200-1, and any specifications within this contract to the Contracting Officer Representative (COR).

2. Compliance with Green Procurement Requirements: Contractor shall follow Federal EPA Comprehensive Procurement guidelines (www.epa.gov/cpg) and Army Contracting Command Quick Guide (<https://acc.aep.army.mil/accapps/ACCMAP/Documents/Quick-Guide-for-Sustainable-Procurement.docx>) for acquisition of building materials and products and select materials that have a long life cycle; the least toxic materials; recyclable materials; materials that are resource-efficient; materials with the maximum recycled content; materials harvested on a sustained yield basis; and products causing the least pollution during their manufacture, use, and reuse.

3. Compliance with License and Certification Requirements: Contractor shall obtain all license and certification required by Federal, State, and Local environmental laws and regulations necessary to adhere to the specifications of this contract. The Contractor shall submit all plans, notifications, reports, submittal documents, and fees required by Federal, State, and Local environmental laws and regulations to the appropriate Federal, State, and Local authority and/or agency as necessary to adhere to the specification of this contract. All required licenses and certifications required by Federal, State, and Local environmental laws and/or regulations shall be considered a contract deliverable upon award.

4. Notification of Federal and State Regulators: Contractor shall immediately notify the Designated Government Representative (DGR) and COR of the arrival on site of any Federal, State, and/or DoD environmental regulator or enforcement agent and/or the receipt of any correspondence from a Federal or State environmental agency.

5. Inspections of Work Sites: Contractor shall submit to potential Federal, State, Army, and installation work site environmental regulatory inspections and/or investigations into noncompliance, and fully cooperate with such inspections/investigations by providing the appropriate records and documentation. Environmental regulatory agencies are authorized by law to inspect any work site for environmental compliance with regulatory requirements. If an inspection is conducted, it will not stop or disrupt ongoing contract activities. The inspection will only require the work site environmental officer, or supervisor/manager to answer questions and/or escort the inspector to specific work site areas with the potential to affect environmental quality.

6. Reporting Noncompliance: Contractor shall immediately report any nonconformance and/or noncompliance with applicable Federal, State or Local environmental laws, Army and installation environmental regulations or policies to the COR and DGR.

7. Verification of National Environmental Policy Act Documents: Contractor shall obtain from the COR or DGR, a copy of AMC's National Environmental Policy Act Policy and 32 CFR 651 which addresses actions to be taken by contractor. These documents include but is not limited to the analysis-associated decision document of an Environmental Impact Statement and Record of Decision; Environmental Assessment and Finding of No Significant Impact or Notice to Proceed; or Record of Environmental Consideration on the proposed contract actions prior to commencement of such actions.

8. Conformance with Environmental Management System: Contractor shall take the necessary actions to identify, monitor, and control those contract operations and activities that pose risk of contamination, or can negatively impact the natural and/or human environment.

9. Generation of Solid Waste: Contractor shall remove from the installation and dispose of all solid waste generated, which cannot be recycled to an approved and permitted off-post disposal facility.

9.1 Contractor shall make every effort to divert construction, demolition debris, and all other solid waste to comply with the Army Integrated Solid Waste Management Policy.

9.2 Prior to removing any waste from the installation for disposal, the Contractor shall coordinate with the installation Qualified Recycling Program (QRP) Manager, DGR, and COR to arrange for recyclable materials to be removed and diverted from the waste stream.

9.3 Submit in writing the quantities of waste removed and recycled to the DGR and/or COR on a monthly basis. The submittal shall include the date of disposal/recycling, the disposal/recycling facility, the types of material disposed/recycled, and the quantities of materials disposed/recycled by weight.

9.4 The Contractor shall establish a program to promote cost-effective waste reduction in all operations and facilities covered by the contract. This includes collection, separation, and processing products or other materials recovered from solid waste streams for use in the form of raw materials.

9.5 The Contractor shall make maximum effort to reduce and prevent waste.

10. Generation of Hazardous Waste: Contractor shall assign all hazardous waste management responsibilities to the appointed ECD. Contractor shall contact the DGR and/or COR to obtain technical assistance from the Environmental Office for assisting the ECD with achieving and maintaining compliance with hazardous waste storage and disposal requirements. Contractor shall properly profile all waste generated as part of this contract to determine if any waste is hazardous waste as defined by 40 CFR. Contractor shall accumulate hazardous waste prior to disposal shipment in a satellite accumulation point at or near the point of generation or in a less-than-90-day site, in accordance with Federal, State, Army, and installation regulation,

policy, Host Tenant Agreement, Interagency Service Support Agreement or Status-of-Forces Agreement. The Contractor shall properly package the hazardous waste and complete the hazardous waste manifest, then take the manifest to DGR for approval and signature prior to removing any hazardous waste from the installation. Contractor shall contact DGR to obtain the installation's hazardous waste EPA ID number for the hazardous waste manifest. The Contractor shall notify the DGR 24 hours prior to removing any hazardous waste from the installation. The contractor shall remove and dispose of manifested hazardous waste generated by contract activities from the installation to an approved off-post permitted hazardous waste disposal facility. The DGR shall assist contractors with profiling their waste upon request.

11. Use of Hazardous Materials: Contractor shall assign all hazardous materials management responsibilities to the appointed ECD. Contractor shall contact the DGR or COR to obtain technical assistance from Environmental Office for assisting the ECD with achieving and maintaining compliance with hazardous material storage, issue, use, and disposal requirements. Contractor shall submit to the COR and/or DGR a hazardous material inventory. The hazardous material inventory will be submitted 30 days prior to commencement of work for contracts that exceed 180 consecutive days. The inventory list will contain the hazardous material type and maximum quantities of materials anticipated to be stored on-site. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. The Contractor shall maintain copies of Safety Data Sheets for all hazardous materials used and stored on-site during performance of the contract. Contractor shall not supply or deliver any hazardous materials or chemicals to an installation that are listed on EPA toxic chemical list without prior written approval from DGR and/or COR.

12. Prevention of Storm Water Pollution: The Contractor shall perform, track, participate, implement, and comply with storm water pollution prevention minimum control measures, protocols, and best management practices (BMP) and ensure that water quality standards are not violated in accordance with all regulations and policies as applicable to the Pollutant Discharge Elimination System general permit requirements. Applicable permits include:

1. The installation's Small Municipal Separate Storm Sewer System (MS4) Permit.
2. The Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activities (MSGP); and,
3. All Construction Activity Storm Water permits minimum control measures include, but not limited to:
 - Public Education and Outreach on Storm Water Impacts
 - Public Involvement and Participation
 - Illicit Discharge Detection and Elimination
 - Construction Site Storm Water Run-off Control
 - Post Construction Storm Water Management in New Development and Redevelopment
 - Pollution Prevention/Good Housekeeping for Municipal Operations Contractors will comply with the MSGP permit when the activity is identified as a permitted industrial activity. BMPs include, but are not limited to:
 - Practicing spill prevention and good housekeeping.
 - Installing and managing erosion and sediment control.
 - Meeting the requirements of the MS4 permit.
 - Contractors will obtain permit coverage for construction activities disturbing over one acre of land (total acreage is cumulative across all portions of the project). BMPs include, but are not limited to:
 - Preparing and implementing a site-specific Storm Water Pollution Prevention Plan (SWPPP) as outlined in the permit and prior to any soil disturbance.
 - Installing and managing erosion and sediment control.
 - Make available, upon request, permit associated documentation.

- Practicing spill prevention and good housekeeping.
- Meeting the requirements of the MS4 permit.
- Schedule inspections and provide corrective actions for noted deficiencies.

13. Storm Water Management Low Impact Design/Development (LID): The Contractor shall perform, track, participate, implement, and comply with Section 438 of the Energy Independence and Security Act; Executive Order 13514; and the DOA memorandum (2010) for full implementation of low impact design/development (LID) techniques to restore predevelopment hydrology to the maximum extent technically feasible for both new and renovation construction projects regardless of size. In support of LID, Contractors will adhere to installation landscape codes and the guidance found in the Installation Design Guide concerning Low Impact Design/Development for storm water management. The following LID practices include, but are not limited to:

- Restoring predevelopment hydrology to the maximum extent technically feasible
- Promoting natural removal of pollutants such as nutrients, oil and grease, and sediments from storm water
- Managing rainfall at the point where it falls
- Meeting the requirements of the MS4 permit
- Important Note: Utilization of permanent retention/detention ponds is prohibited without authorization from the Installation Planning Division.

14. Use of Pesticides: Contractor shall submit the type and quantity of regulated pesticides to be applied, the application purpose, and location to the DGR and COR for approval 10 working days prior to the initial application. The Contractor shall submit the actual quantities applied (DD1532 or equivalent) to the DGR and COR within 2 working days (48 hours) after each approved application. The Contractor shall utilize Integrated Pest Management (IPM) technology and procedures in strict compliance with all applicable Federal, State, Army, and installation regulations, to include the installation's integrated pest management plan. Pesticide applicators shall be certified and licensed in accordance with the State where work is being performed and/or Department of Defense regulations. The Contractor shall provide evidence of personnel licenses and certifications to the Contracting Officer and the DGR prior to the initial application of pesticides. Only those pesticides registered with the US Environmental Protection Agency (EPA) and approved by Army Materiel Command Pest Management Consultant shall be utilized and then only in strict accordance with product labeling. The installation reserves the right to prohibit and limit the amount and type of pesticides used.

15. Protection of Work Site Resources: Contractor shall confine all activities to areas defined by the drawings and specifications. Prior to the beginning of any work, the Contractor shall identify any land resources to be preserved within the work area. Except in areas indicated on the drawings or specified to be cleared, the Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and landforms. The Contractor shall provide effective protection for land and vegetative resources at all times. Prior to site clearing and grubbing, the Contractor shall coordinate harvesting of saleable timber with the DGR and/or COR. Contractor shall notify the DGR and/or COR if any trees are required to be disposed or removed. The Contractor is not authorized to remove or dispose of any tree greater than 6 inches in diameter unless permission has been granted in writing by the DGR or COR.

16. Prevention of Spills: Contractor shall adopt the installation's Spill Prevention Control and Countermeasures Plan (SPCC) if transporting, processing, storing, or in any way managing hazardous waste, hazardous material, petroleum-oils-lubricants, or other restricted items. In case of a spill, the person in control of the spill site or their designated representative shall take appropriate action to protect workers and bystanders; contain the spill (if it can be done safely); secure the spill site; restrict ignition sources; and immediately contact the installation Fire and Emergency Services (Fire Department).

17. Protection of Sensitive Areas: Contractor shall comply with all installation designated sensitive and/or off-limit area restrictions. Sensitive areas are generally demarked indicating what activities (e.g., driving,

digging, foot traffic) are prohibited. The Contractor shall also adhere to the following installation sensitive areas requirements:

- 17.1. Cultural Resources Sites: Do not excavate, remove, damage, or otherwise deface any archeological resource located on public lands.
- 17.2. Endangered Species Habitats: Do not initiate any action that may disturb, endanger, or damage to any degree the habitat of a threatened and endangered species.
- 17.3. Wetlands: Do not excavate or take any action that could fill or damage any wetland unless working under a project specific Corps of Engineers 404 permit. Wetlands include streams, riparian areas, bogs, marshes, and swamps.

18. Corrective Action for Noncompliance: Contractor shall when given a verbal and/or written notice of environmental noncompliance or nonconformance by the COR, take immediate corrective action. Failure or refusal to comply promptly may be grounds for the Contracting Officer to invoke the appropriate contractual remedies. This may cause all or part of the work to be stopped immediately until satisfactory corrective action has been taken.

19. Noise: Make the maximum use of low-noise emission products, as certified by the EPA. Blasting or use of explosives will not be permitted without written permission from the Contracting Officer, and then only during the designated times. Pile-driving operations shall be coordinated through the DGR and COR.

20. Mercury: Mercury is prohibited, unless specified otherwise, and with the exception of mercury vapor lamps and fluorescent lamps. Dumping of mercury-containing materials and devices such as mercury vapor lamps, fluorescent lamps, and mercury switches, in rubbish containers is prohibited. Remove without breaking, pack to prevent breakage, and transport out of the activity in an unbroken condition for disposal as directed. Immediately report to the DGR and COR instances of breakage or mercury spillage. Clean mercury spill area to the satisfaction of the Contracting Officer. Cleanup of a mercury spill shall not be recycled and shall be managed as a hazardous waste for disposal.

21. Universal Waste / e-Waste Management: Universal waste including but not limited to some mercury containing building products such florescent lamps, mercury vapor lamps, high pressure sodium lamps, CRTs, batteries, aerosol paint containers, electrical equipment containing PCBs, and consumed electronic devices, shall be managed in accordance with applicable environmental law and installation instructions.

22. Pollution Prevention / Hazardous Waste Minimization: Minimize the use of hazardous materials and the generation of hazardous waste. Consult with the Environmental Office for suggestions and to obtain a copy of the installation's pollution prevention/hazardous waste minimization plan for supporting waste minimization goals.

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