

**PAO MUDDY GUARD STATION ROOF**  
STATEMENT OF WORK  
AND  
GENERAL REQUIREMENTS

**PART 1 – SUMMARY OF WORK**

**1.1 DESCRIPTION**

- A. Work for this project requires the contractor to be responsible for supplying all labor, materials, equipment, utilities, miscellaneous items, freight and delivery and all necessary valid licenses for the work summarized as follows:

**Base Items:**

1. Demolition- Remove Existing Shingles
2. Replace Sheathing
3. Install Underlayment
4. Install Roofing
5. Rebuild Entry Awning
6. Repair Chimney
7. Install Attic Insulation

**1.2 LOCATION**

- A. This project is located at the Muddy Guard Station. The site is located outside of the town of Paonia, Colorado in Delta County. The address is 11300 265, Somerset, CO 81434. Driving instructions can be obtained from the Paonia Ranger District office by calling (970) 527-4131. See attached map for directions.

GPS Coordinates: 39.111116, -107.516604

This project is in a remote location. The distance from Paonia, Colorado is 19 miles or 67 miles from Delta, Colorado.

**1.3 PROJECT SCHEDULING**

- A. Work hours for this project are between 8:00 AM-5:00 PM Monday through Friday.

**1.4 POINT OF CONTACT**

**Center Point of Contact:**

Daris Matos-Justiniano	(970) 874-6635
Paul Kimpling	(970) 623-9973
Logan Foster	(970) 874-6623
Seth Ehret	(970) 712-8057

## 1.5 USE OF PREMISES

- A. Confine constructions operations to immediate area of work. Do not disturb portions of Project site beyond areas in which the Work is indicated.
- B. Government will occupy site and buildings during entire construction period. Cooperate with Government during construction operations to minimize conflicts and facilitate Government usage. Perform the work so as not to interfere with Government's day-to-day operations.
- C. Keep one driveway open for resident parking and mindful of hauled water deliveries.
- D. Contractor is to provide sanitary facilities for their workers. There is no water available on site. Contractor must provide any water needed for the project.
- E. Remove construction waste daily.

## 1.6 WORK RESTRICTIONS

- A. Smoking is not permitted within the buildings or within 25 feet (8 m) of entrances, operable windows, or outdoor air intakes.

## 1.7 SCHEDULE OF ITEMS

- A. Schedule of Items: The project Schedule of Items includes several sections to organize the work into Base Items.
  - 1. Provide pricing for all items listed in the Schedule of Items.
  - 2. Contract award will be made for all Base Items.
- B. Base Items (BI):
  - 1. Base Item No. 1 – **Demolition- Remove Existing Shingles**
    - a. Measurement: This item is measured as an Actual Quantity to remove 1900sf of asphalt shingles shown in the Schedule of Items.
    - b. Payment: The contract actual quantity price as shown in the Schedule of Items includes all materials, equipment, labor and incidentals per square foot to remove shingles from the building.
    - c. Remove 1900 sqft of asphalt shingles, remove existing underlayment or glue.
    - d. Dispose of 1900 sqft of asphalt shingles and replate materials to the landfill. Not to be stored on site.
  - 2. Base Item No. 2 – **Replace Sheathing**
    - a. Measurement: This item is to be measured as square feet of plywood to replace shown in the Schedule of Items.
    - b. Payment: The contract actual quantities price as shown in the Schedule of Items includes all materials, equipment, labor and incidentals to replace plywood.

- c. Replace any damaged sheathing on the roof with plywood of the same width.
- d. Only replace and patch plywood that is of significant damage.
- e. All sharp edges, fins and rough surfaces that could damage the underlayment membrane will be removed or if they can't be removed, isolated from the membrane with a leveling layer.
- f. Wooden decks will be fully examined for their quality (dryness) and pullout resistance.
- g. Any wet or unsound portions will be replaced with new material prior to the installation of the underlayment membrane system. Ponding water, snow, frost and/or ice present in more than trace amounts, must be removed from the work surface prior to installing the system.
- h. Dispose of old plywood to the landfill. Not to be stored on site

3. Base Item No. 3 – **Install Underlayment**

- a. Measurement: This item is to be measured in Lump Sum of underlayment to be installed shown in the Schedule of Items.
- b. Payment: The contract Lump Sum price as shown in the Schedule of Items includes all materials, equipment, labor and incidentals to install underlayment.
- c. Install underlayment. High temperature, water and ice protection butyl rubber adhesive. Sheathing or decking must be prepared or cleaned to accept the underlayment adhesive. High Temperature Stable to 240F degrees.
- d. Install to manufacturing specifications--overlap amount and pattern.

4. Base Item No. 4 – **Install New Roofing**

- a. Measurement: This item is to be measured in Lump Sum Quantity
- b. Payment: The contract actual quantities as shown in the Schedule of Items includes all materials (specialty roofing pieces), equipment, labor and incidentals to plant listed vegetation.
- c. Install standing seam metal roofing with no exposed fasteners. Panels should be pushed to be plumb with the roof edge and should be in alignment at the eave. Ordered roofing shall be ordered to size to account for the new sub-fascia and fascia pieces. Attached with 3 screws
- d. Install sub fascia's and metal fascia over exposed rafter tails.
- e. Install metal Soffit and supporting painted brown molding or Soffit J channel.
- f. Install metal drip edge and ridge cap.
- g. Replace flashing around chimney and vented utility pipes.
- h. Color: Standing Seam Roof- Pre-Rusted Metal, CorTen, or industry equivalent.
- i. Color: Fascia, Drip Edge, Soffits- Dark Brown



Flicker Damage to be covered



Exposed Rafter Tails to be covered



Faded Existing Roof Color



Rusted Metal- Standing Seam Roof



Dark Brown Painted Metal  
Fascia, Drip Edge and Soffit



Painted Wood Molding

5. Base Item No. 5 – **Rebuild Entry Awning**
  - a. Measurement: This item is to be measured in lump sum.
  - b. Payment: The contract lump sum price as shown in the Schedule of Items includes all materials, equipment, labor and incidentals to remove existing entry awning and replace with an in-kind structure.
  - c. Same roofing metal as the main roof.



6. Base Item No. 6– **Repair Chimney**

- a. Measurement: this item is to be measured in lump sum.
- b. Payment: The contract lump sum price as shown in the Schedule of Items includes all materials, equipment, labor and incidentals to repair the chimney.
- c. Re-grout and brick replacement as needed. Estimated repair is to grout the four courses from the top, bricks appear to be in good shape. Match brick and grout to existing color.



7. Base Item No. 7 –**Install Attic Insulation**

- a. Measurement: this item is to be measured in lump sum
- b. Payment: The contract actual quantities as shown in the Schedule of Items includes all materials, equipment, labor and incidentals to unknown structural repairs.
- c. Install R-30 batts or greater attic insulation batts in rafters, to cover roughly 1000sqft.
- d. Includes the back addition.



1.9 DEFINITIONS

- A. Action Submittals: Written and graphic information that requires Government approval.

- B. Informational Submittals: Written information that does not require Government approval. Submittals may be rejected for not complying with requirements.

## 1.10 PROCEDURES

### A. Contractor Responsibilities

1. Review each submittal and check for compliance with the Contract Documents.
2. Highlight, encircle, or otherwise identify deviations from the Contract Documents on submittals.
3. Include the following information on label or cover sheet for processing and recording action taken:
  - a. Project name.
  - b. Date.
  - c. Name and address of Contractor.
  - d. Name of manufacturer.
  - e. Unique identifier, including revision number.
  - f. Number and title of appropriate Specification Section.
  - g. Drawing number and detail references, as appropriate.
  - h. Date of Contractor's approval.
  - i. Statement certifying that submittal has been reviewed, checked, and approved by the Contractor for compliance with the Contract Documents.
4. The Government will not review submittals that do not bear Contractor's approval and will return them without action.
5. Unless additional copies are required for final submittal, and unless the Contracting Officer (CO) observes noncompliance with provisions of the Contract Documents, initial submittal may serve as final submittal.
6. Only final submittals with mark indicating action taken by Government are to be used for construction.
7. Submittals not required by the Contract Documents will not be reviewed and may be discarded.

### B. Processing Time: Time for review shall commence on CO's receipt of submittal.

1. Initial Review: Government will review initial submittal within 10 working days. Additional time may be needed if processing must be delayed to permit coordination with subsequent submittals. CO will advise Contractor when a submittal being processed must be delayed for coordination.
2. Resubmittals: If resubmittal is necessary, it will be processed in same timeframe as initial submittal.

## 1.11 ACTION SUBMITTALS

- A. Prepare and submit Action Submittals required in the Technical Specifications in this contract, if applicable, and as indicated at the end of this subsection.

1. Submit two copies of each submittal, unless otherwise indicated. CO will return one copy. Mark up and retain one returned copy as a Project Record Document. Electronic submission of PDFs is an acceptable alternative to paper submission.
- B. Collect information into a single submittal for each element of construction and type of product or equipment.
  1. Mark each copy of each submittal to show which products and options are applicable.
  2. Include the following information, as applicable:
    - a. Manufacturer's written recommendations.
    - b. Manufacturer's product specifications.
    - c. Manufacturer's installation instructions.
    - d. Manufacturer's catalog cuts.
    - e. Compliance with recognized trade association standards.
    - f. Compliance with recognized testing agency standards.
- C. Required Action Submittals
  1. Product Data:
    - a. Underlayment
    - b. Standing Seam Metal type and color
    - c. Attic Insulation

## 1.12 INFORMATIONAL SUBMITTALS

- A. Prepare and submit Informational Submittals required in the Technical Specifications in this contract, if applicable, and as indicated at the end of this subsection.
  1. Submit one copy of each submittal, unless otherwise indicated. CO will not return copy. Electronic submission of PDFs is an acceptable alternative to paper submission.
  2. Provide a statement that includes signature of entity responsible for preparing certification.
- B. Required Informational Submittals:
  1. Construction Schedule
  2. Sample Manufacturer Warranty

## PART 2 – TEMPORARY FACILITIES AND CONTROLS

### 2.1 USE OF UTILITIES

- A. Utilities: Use of Government existing facilities will be permitted without metering and without payment of use charges, as long as facilities are cleaned and maintained in an acceptable condition. At Substantial Completion, restore these facilities to condition existing before initial use. The following are available for use by the contractor:

electrical power services. The following are not available: telephone service, water nor sanitation services.



## 2.2 SANITARY FACILITIES

- A. Sanitary facilities **not** available for use by the Contractor at the site. Contractor is to provide.

## 2.3 STAGING AREAS

- A. Coordinate on-site staging and storage requirements with the Center Point of Contact or the Contracting Officer (CO).

## 2.4 CONSTRUCTION WASTE DISPOSAL FACILITIES

- A. Provide waste-collection containers in sizes adequate to handle waste from construction operations. Containerize and clearly label hazardous, dangerous, or unsanitary waste materials separately from other waste.

## 2.5 SAFETY AND ENVIRONMENTAL PROTECTION

- A. Environmental Protection: Contractor shall provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- B. Barricades, Warning Signs, and Lights: Comply with the national or state Manual on Uniform Traffic Control Devices (MUTCD) for erecting structurally adequate barricades, paint with appropriate colors, graphics, and warning signs/lights to inform personnel and public of possible hazard.
- C. Fire Protection.
  - 1. Store combustible materials in containers in fire-safe locations.
  - 2. Maintain unobstructed access to fire extinguishers, fire hydrants, fire-protection facilities, stairways, and other access routes for firefighting. Prohibit smoking in hazardous fire-exposure areas.
  - 3. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition.

## PART 3 – EXECUTION REQUIREMENTS

### 3.1 EXAMINATION

- A. Before beginning work, examine areas and document existing conditions. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.
- B. Field verify all new and existing dimensions affecting the work of this contract before ordering products.

- C. Immediately on discovery of the need for clarification of the Contract Documents, submit a request for information to CO. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents.
- D. Call in a utility locate before any work begins.

### 3.2 INSTALLATION

- A. Locate the Work and components of the Work accurately, in correct alignment and elevation to fit with existing construction.
- B. Make vertical work plumb and make horizontal work level.
- C. Install per manufacturer's written instructions and recommendations.

### 3.3 PROGRESS CLEANING

- A. Clean Project site and work areas daily, including common areas. Dispose of materials lawfully.
  - 1. Comply with NFPA 241 requirements for removal of combustible waste materials and debris.
  - 2. Do not hold materials more than 7 days during normal weather or 3 days if the temperature is expected to rise above 80 deg F (27 deg C).
- B. Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.

### 3.4 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide protection and maintain conditions that ensure installed Work does not get damaged or deteriorated prior to Substantial Completion.

### 3.5 CORRECTION OF THE WORK

- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
  - 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

## PART 4 – CLOSEOUT PROCEDURES

### 4.1 SUBSTANTIAL COMPLETION

- A. Definition of Substantial Completion: The Date certified by the CO when construction is sufficiently complete, in accordance with the Contract Documents, so the Government

can occupy or utilize the Work or designated portion thereof for the use for which it is intended, as expressed in the Contract Documents.

B. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.

1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
2. Advise the CO of pending insurance changeover requirements.
3. Submit specific warranties, workmanship bonds, final certifications, and similar documents.
4. Obtain and submit releases permitting Government unrestricted use of the Work and access to services and utilities.
5. Deliver tools, spare parts, extra materials, and similar items to location designated by Government. Label with manufacturer's name and model number where applicable.
6. Complete startup testing of systems.
7. Submit changeover information related to Government occupancy, use, operation, and maintenance.
8. Complete final cleaning requirements, including touchup painting.
9. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

C. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, CO will either proceed with inspection or notify Contractor of unfulfilled requirements. CO will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by CO, that must be completed or corrected before certificate will be issued.

1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for Final Completion.

#### 4.2 FINAL COMPLETION

A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:

1. Submit certified copy of CO's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by CO. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
2. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
3. Instruct Government personnel in operation, adjustment, and maintenance of products, equipment, and systems.

- B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, CO will either proceed with inspection or notify Contractor of unfulfilled requirements. CO will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

- 1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

#### 4.3 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Preparation: Submit two copies of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

#### 4.4 FINAL CLEANING

- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
- C. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
  - 1. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
  - 2. Remove tools, construction equipment, machinery, and surplus material from Project site.
  - 3. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
- D. Remove waste materials from Project site and dispose of lawfully.