

PERFORMANCE WORK STATEMENT (PWS)



Repair Barrier

Project WHAY230007

Stewart Air National Guard

1 Maguire Way

Newburgh, New York, 12550

PART 1

GENERAL INFORMATION

1. **GENERAL:** This is a non-personal services contract to repair the final denial barrier at the entry control facility.

1.1. **Description of Services/Introduction:** The contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to complete this as defined in this Performance Work Statement:

1.1.1. **Background:** The 105th Stewart Air National Guard Base requires a fully functioning final denial barrier located with the entry control facility. An RSSI-2000 Series Electric Finger Wedge Vehicle Barrier was installed in 2018 across each lane of a 4-lane entrance (see ATT 2). Since its installation the springs have been replaced on several occasions and the top plate has experienced significant wear and tear. There have also been instances of intermittent issues with the electrical components of the barrier system.

1.2. **Phase 1 – Repair:**

1.2.1. This work at a minimum shall include:

1.2.2. All work described herein shall be for all 4 lanes:

1.2.2.1. The contractor shall remove all existing top plate bolts, install/weld threaded reinforcement tabs to underside of the threaded bolt holes that secure top plates and replace all current fastening hardware with longer, higher grade strength bolts with addition of lock tight material (or equivalent) for maximum fastening strength.

1.2.2.2. The contractor shall remove and replace all springs. The contractor shall confirm with the manufacturer, the proper size/type of the springs prior to install.

1.3. **Phase 2 – Inspect:**

1.3.1. This work at a minimum shall include:

1.3.1.1. Upon completion of the repairs the contractor shall perform an initial maintenance inspection and provide a detailed deficiency list which includes parts and process to perform repairs on all deficiencies. The contractor shall include a follow on maintenance inspection no less than 6 months and no more than 8 months after the date of the initial inspection.

1.3.1.2. The maintenance inspection shall include:

- Turn power on to unit (if necessary) to check for proper voltage
- Place necessary traffic safety cones to ensure worker safety
- Check operation of unit. Operate 3 times. Ensure that the post assembly operates smoothly (less than 3 seconds) and the barrier rises to the fully UP position and the barrier lowers to the fully DOWN position flush with the barrier top access plates
- Make sure the vehicle barrier is in the UP position, insert support posts to prevent barrier from being inadvertently lowered during maintenance
- Inspect LED safety lights on barrier for proper operation
- Check Actuator & Spring Assembly Pivot Arm Clevis Bracket Bolts. If these connections are not kept tight, it might cause loose motion that could result in excessive wear.
- Check Actuator Clevis bolt and nut. Make sure these are tight. A loose fit might cause excessive wear and improper barrier operation.
- Check Spring Assembly Front Clevis Pin & Retaining Pin and Pivot Tube end Bolt and Nut. Make sure these are tight. A loose fit might cause excessive wear and improper barrier operation.
- Check Spring Assembly. Check the anchor bolts to ensure none are loose. A loose fit or broken spring might cause excessive wear and improper barrier operation.
- Check Chain Bolts. If these connections are not kept tight, it might cause loose motion that could result in excessive wear. Apply Liquid Wrench, Industrial Chain Lubricant with Moly, PL711 or equal.
- Vacuum and clean barrier pit
- Check barrier pit for water build up from debris and remove any obstructions from sump pump and drainage ports. Check the interior for dirt and debris also.
- Check post assembly paint and touch up, if necessary. Use enamel paint, zinc yellow (Paint # RAL 1018) or equal
- Check barrier for operation through normal cycles
- Visually inspect operation and electrical contacts
- Tighten electrical contacts if necessary
- Check, adjust and tighten all sensors
- If applicable check traffic lights
- Inspect all communications components as well as the main panel.

Miscellaneous:

1.3.2. The work described in this scope will take place at an active DoD Installation. This will require the contractor to ensure outages are minimized to the greatest extent possible throughout the period of performance.

1.3.3. The contractor shall submit a work plan and schedule to the KO and the COR at the preconstruction meeting which describes the means and measures to ensure minimal outages.

1.3.4. Any changes to the work plan or schedule shall be coordinated ahead of time with the COR.

1.3.5. The contractor shall be responsible for any damage to existing utilities. Any utilities damaged during construction shall be replaced and restored by the contractor.

1.3.6. Any grass/soil disturbed during construction shall be seeded and restored by the contractor.
1.3.7. Upon completion of work, the contractor shall perform all startup procedures in accordance with all governing laws and ensure all installed equipment is operating and functioning properly.

1.3.8. The above work shall be performed by RSSI factory certified technician(s). Proof of factory certification must be submitted prior to contract award.

1.4. General Information

1.4.1. Management: The project is being managed from the 105th Civil Engineering and 105th Contracting offices located at Stewart Air National Guard Base in Newburgh, New York. A Contracting Officer's Representative (COR) will be designated within the 105th CES and will be the on-site representative for daily coordination.

1.4.2. Period of Performance: The period of performance shall be for 240 calendar days.

1.4.3. Quality Control: The contractor shall develop and maintain an effective quality control program (QCP) to ensure services are performed in accordance with this PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The contractor's quality control program is the means by which he assures themselves that their work complies with the requirement of the contract. Two copies of a comprehensive QCP will be submitted to the KO and COR within 10 days after the contract is awarded or with the contractor's proposal if it is an evaluation factor. After acceptance of the quality control plan the contractor shall receive the contracting officer's acceptance in writing of any proposed change to his QC system.

1.4.4. Quality Assurance: The government shall evaluate the contractor's performance under this contract in accordance with the Quality Assurance Surveillance Plan. This plan is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the performance standards. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rate(s), see Technical Exhibit One.

1.4.2.1. Recognized Holidays:

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

1.4.3. Place and hours of Performance: The work to be performed under this contract will be performed in building 107, located at the 105th Airlift Wing, Stewart Air National Guard Base, Newburgh, New York. The contractor is responsible for conducting business between the hours of **0700-1600 hours Monday thru Friday** except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. For other than firm fixed price contracts, the contractor will not be reimbursed when the government facility is closed for the above reasons. The Contractor must at all times maintain an adequate workforce for the uninterrupted performance of all tasks defined within this PWS when the Government facility is not closed for the above reasons. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce are essential.

1.4.4. Disposal Requirements: The Contractor is responsible for the collection and disposal of all debris, rubble, residue and waste material generated in the performance of work under this contract. All such materials shall be disposed of in accordance with all Federal, State and local laws and regulations off the installation. The CONTRACTOR is not permitted to deposit any such materials in base trash collection containers or at any on base location without prior approval of the Contracting Officer.

1.4.7.1. Hazardous Materials: Materials classified as hazardous by US environmental rules, regulations, or laws, shall be handled and processed for disposal in accordance with those rules, regulations, or laws. The CONTRACTOR is responsible for all such materials that are residue from CONTRACTOR furnished supplies and materials which were brought to the job site by the CONTRACTOR, and for any such materials identified herein or by the drawings.

1.4.5. Security:

1.4.5.1. Physical Security: The contractor shall be responsible for safeguarding all government equipment, information and property provided for contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured. Failure to do so can result in Government compensation.

1.4.5.2. Military Security: Military procedures and regulations are strictly enforced. Contractor is responsible for identifying necessary procedures to complete this project and ensure all personnel under this contract is familiar and abides by those policies and procedures.

1.4.5.3. Base Access: Contractor is responsible for attaining all permits, licensing and passes as required by Stewart Air National Guard Base. Coordination with project COR needs to be given 1 week in advance to properly submit for a Stewart Air National Guard Base pass. Once all paperwork is submitted to Stewart Air National Guard Base pass and ID, a period of 2 working days will be given for processing. The contractor is responsible for maintaining an accurate Base Pass List of all individuals they have submitted for base access. This Base Pass List is to be turned into the COR for proper documentation whenever new individuals are added. Once the project is closed out all passes will be turned into the COR who will reference the Base Pass List to account for all passes issued and for proper disposal.

1.4.5.4. Restricted Area Access: Work in and around restricted areas to include all three hangars when aircraft are present inside of the hangar, require an escort with a current and approved restricted area badge. The restricted area badge is to be always properly visible. Work in the restricted area needs to be properly coordinated with 105th CE Production Control Office at least 2 days prior to the needed access. Work will not be conducted unless the escort is always physically present while working in the restricted area.

1.4.5.4.1. Escort: A single escort will be made available by the 105th Civil Engineer Squadron when working in restricted areas. Due to security concerns, the Government requires all contractors and associated subs to be always in the presence of a military escort within specific locations. Once the work schedule is approved it is the contractor's responsibility to notify the contracting officer's representative at least 24 hours in advance of the time and location that the escorts shall meet the contractor. The contractor must make all attempts to promptly meet this appointment. The Stewart Air National Guard will not be held liable for any claim attributable to the contractor's failure to follow these guidelines for arranging and meeting escorts.

1.4.5.4.2. Escorted Personnel: All Contract personnel shall always maintain on his or her person proper Federal or State photo identification.

1.4.5.4.3. Upon award of the contract the Contractor shall submit a list of all personnel to be on the project and obtain Stewart ANG Contractor Base Pass ID by submitting all required documents; social security numbers, driver license, etc., to receive contractor passes. Work shall be arranged so that contractor's personnel can be escorted by the 105th Civil Engineer Squadron in areas which are considered to be restricted. No Contractor employee, associate, or other representative shall have any visual, audible, or physical access to any area marked as a "restricted area". Contractor's personnel shall not violate any security regulations pertaining to the facility. Violators will be removed from the premises with the right to re-enter revocable. Contractor's day-to-day work schedules in the restricted areas shall be so arranged to allow for minimum escort.

1.4.5.5. Permits: Contractor is responsible for attaining all permits and license as required by the Stewart Air National Guard Base.

1.4.5.6. Contractor is responsible for verifying existing plans/conditions to ensure that they do not interfere with existing utilities.

1.4.6. Post Award Conference/Periodic Progress Meetings: The Contractor agrees to attend any post award conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation Subpart 42.5. The contracting officer, Contracting Officers Representative (COR), and other Government personnel, as appropriate, will meet periodically with the contractor to review the contractor's performance. At these meetings the contracting officer will apprise the contractor of how the government views the contractor's performance and the contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the government.

1.4.7. Contracting Officer Representative (COR): The (COR) will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract: perform inspections necessary in connection with contract performance: maintain written and oral communications with the Contractor concerning technical aspects of the contract: issue written interpretations of technical requirements, including Government drawings, designs, specifications: monitor

Contractor's performance and notifies both the Contracting Officer and Contractor of any deficiencies; coordinate availability of government furnished property, and provide site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.

1.4.8 Key Personnel: The following personnel are considered key personnel by the government: Project Engineer, Controls Engineer/Professional Engineer, and Project Superintendent. The contractor shall provide a project engineer who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the contractor when the project engineer is absent shall be designated in writing to the contracting officer. The project engineer or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract. The project engineer or alternate shall be available 0700 to 1600, Monday thru Friday except Federal holidays or when the government facility is closed for administrative reasons.

1.4.9. Workplace Safety: The contractor is responsible for the safety of those under his charge. Care must be taken with all vehicles especially when backing (using a spotter to watch for obstructions and personnel) and in the performance of all work. Care shall be taken during the work hours by cordoning off the work site and securing the work site at the end of each workday. The Contracting Officer or their designated representative reserves the right to halt progress of work if unsafe workplace practices are found and until they are addressed to his/her satisfaction. Contractor shall adhere to applicable OSHA or DOD safety codes.

PART 2

DEFINITIONS & ACRONYMS

2. **DEFINITIONS AND ACRONYMS:**

2.1. DEFINITIONS:

2.1.1. **CONTRACTOR.** A supplier or vendor awarded a contract to provide specific supplies or service to the government. The term used in this contract refers to the prime.

2.1.2. **CONTRACTING OFFICER (KO).** A person with authority to enter into, administer, and or terminate contracts and make related determinations and findings on behalf of the government. Note: The only individual who can legally bind the government.

2.1.3. **CONTRACTING OFFICER'S REPRESENTATIVE (COR).** An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

2.1.4. **DEFECTIVE SERVICE.** A service output that does not meet the standard of performance associated with the Performance Work Statement.

2.1.5. **DELIVERABLE.** Anything that can be physically delivered, which will include non- manufactured things such as meeting minutes or reports.

2.1.6. **KEY PERSONNEL.** Contractor personnel that are evaluated in a source selection process and that can be required to be used in the performance of a contract by the Key Personnel listed in the PWS. When key personnel are used as an evaluation factor in best value procurement, an offer can be rejected if it does not have a firm commitment from the persons that are listed in the proposal.

2.1.7. **PHYSICAL SECURITY.** Actions that prevent the loss or damage of Government property.

2.1.8. **QUALITY ASSURANCE.** The government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

2.1.9. **QUALITY ASSURANCE SURVEILLANCE PLAN (QASP).** An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

2.1.10. **QUALITY CONTROL.** All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

2.1.11. **SUBCONTRACTOR.** One that enters into a contract with a prime contractor.

2.1.12. **WORKDAY.** The number of hours per day the Contractor provides services in accordance with the contract.

2.1.13. **WORK WEEK.** Monday through Friday, unless specified otherwise.

2.2. ACRONYMS:

BEE	Basic Electricity and Electronics
BTU/H	British Thermal Unit per Hour
CES	Civil Engineering Squadron
CFM	Cubic Feet per Minute
COR	Contracting Officer Representative
COTR	Contracting Officer's Technical Representative
DOD	Department of Defense
EM	Emergency
FA	Fire Alarm
FAR	Federal Acquisition Regulation
GCM	Global Control Module
GFE	Government Furnished Equipment
IT	Information Technology
KO	Contracting Officer
NEBB	National Environmental Balancing Bureau
NETA	International Electrical Testing Association
OCI	Organizational Conflict of Interest
ODC	Other Direct Costs
POC	Point of Contact
PRS	Performance Requirements Summary
PWS	Performance Work Statement
QA	Quality Assurance
QAP	Quality Assurance Program
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Program
SEER	Seasonal Energy Efficiency Ratio
TE	Technical Exhibit

PART 3

GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

3. **GOVERNMENT FURNISHED EQUIPMENT AND SERVICES:**

3.1. Facilities: The Government will provide access to the necessary facilities to ensure proper installation and set-up of said systems.

3.2. Utilities: The Government will provide the Contractor with the basic utilities for general use. The Contractor shall instruct employees in utilities conservation practices. The contractor shall be responsible for operating under conditions that preclude the waste of utilities, which include turning off the water faucets or valves after use.

3.3. Equipment: The Government will not be providing any kind of equipment for use by the Contractor.

3.4. Materials: The Government will not be providing any materials.

PART 4

CONTRACTOR FURNISHED ITEMS AND SERVICES

4. **CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES:**

4.1 General: The Contractor shall furnish all supplies, equipment, facilities and services required to perform work under this contract.

PART 5 SPECIFIC

TASKS

5. Specific Tasks:

5.1 Basic Services. The contractor shall provide services for repair/inspection of final denial barrier.

PART 6

APPLICABLE PUBLICATIONS

6. APPLICABLE PUBLICATIONS (CURRENT EDITIONS):

6.1. The Contractor must abide by all applicable regulations, publications, manuals, and local policies and procedures.

PART 7

ATTACHMENT/TECHNICAL EXHIBIT LISTING

7. Attachment/Technical Exhibit List:

- 7.1 Attachment 1/Technical Exhibit 1 – Performance Requirements Summary
- 7.2 Attachment 2/Technical Exhibit 2 – Deliverables Schedule
- 7.3 Attachment 3 – RSSI Maintenance Manual

TECHNICAL EXHIBIT 1

PERFORMANCE REQUIREMENTS SUMMARY

The contractor service requirements are summarized into performance objectives that relate directly to mission essential items. The performance threshold briefly describes the minimum acceptable levels of service required for each requirement. These thresholds are critical to mission success.

Performance Objective (The Service required—usually a shall statement)	Standard	Performance Threshold (This is the maximum error rate. It could possibly be “Zero deviation from standard”)	Method of Surveillance
PRS # 1 The contractor shall repair barrier in accordance with above PWS	Repairs meet industry standards.	Work meets specifications described in PWS and manufacturer’s instructions, zero deviation will be accepted	COR to visually inspect.
PRS # 2 The contractor shall inspect and submit report on any additional damage/deficiencies not listed within this PWS	Standards are based on the PWS.	Work meets specifications described in PWS and manufacturer’s instructions, zero deviation will be accepted	COR will visually inspect

TECHNICAL EXHIBIT 2

DELIVERABLES SCHEDULE

Deliverable	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
Testing Results & Agency Certifications _____	Prior to project close-out	1 original hard copy	Hard copy with back-up CD in MS Word or PDF format	Original to KO Back-up CD to COR
Commissioning Report	Prior to project close-out	1 original hard copy	Hard copy with back-up CD in MS Word format	Original to KO Back-up CD to COR