

STATEMENT OF WORK

**MAIN ENTRANCE CONSTRUCTION (UPGRADE)
EMBASSY OF THE UNITED STATES, MANAGUA
RSO2017**

1.0 PURPOSE.

This document identifies the scope of work (SOW) for the building and installation of a guard booth, light pole, security drop arm and security planters on the northwest driveway of the compound of the US Embassy in Managua.

This SOW addresses requirements for the distances where the improvements will be installed, material quality and sizes and paint finishing.

2.0 BACKGROUND.

Security concerns have warranted building these improvements to allow for the better control of vehicles as they arrive as well as to afford a greater level of protection for the posted embassy employee conducting access control duties.

3.0 REQUIREMENTS.

The contractor is to complete the following tasks as part of this project.

3.1 The contractor shall build a masonry/covintex type 1 guard booth 1.5 m x 2 m x 2.75 This structure should have 3 windows at East/West/North side installed at 42" from the floor. The 40" windows high will be sufficient to provide a clear view of the surrounding area on all other sides. A sliding window should be installed at the north side of the shack. All glass should be shatter resistant. The structure should have a door installed at the west side with 82" tall x 31.5" width x 2" thick. The door should also have a glass window. Door should be predrilled to install a security lock, and door closer. Door hardware will be provided by the embassy (4 hinges, door closer, and lock). Contractor is responsible for verifying the size of the building during the site visit.

3.2 Foundations.

- The construction area is 3 square meters.
- Make four excavations (one on each corner) and install four reinforced bar pedestals of 20 cms x 20 cms x 60 cm, using standard steel # 4, and install four threaded steel bars for each pedestal to be welded to a base plate of 6"x6"x3/8".
- Make 7 lineal meters of seismic beam, 20 cms x 20 cms, steel reinforcement beam with stirrups using standard steel # 3.
- Make 4 mettalic columns 3"x3"x3/32". They shall be welded to pedestals, Each columns 93" high.
- Install crown beam to connect all 4 columns using 3"x3"x3/32".

3.3 Structure and roof.

- Install 8 metallic beams of 3"x3"x1/16".

- Install 8 metallic roof supports of 3"x3"x1/16".
- Install 8 square meters of metallic roof sheets, aluminum color, from Ferromax-MaxAlum. Consider slope of 30%.
- Install roof insulation 8mm.
- All metallic beams and roof supports must be painted with anticorrosive paint.

3.4 Walls.

- Install 16 squares of walls using covintex of 3", type 1. These walls will be resurfaced with 2 inches of concrete finishing..
- All metallic doors and meshes must be pre-painted with anticorrosive paint, green color.

3.5 Floor.

- Install 3 square meters of concrete floor. 3" wider, with steel bar reinforcement of 5 mm. The concrete must be 3000 psi. (Concrete proportion 1:2:2).
- Install 3 square meters of ceramic 33 x 33 tiles, white bone color.

3.6 Painting.

- Paint all internal and external walls with acrylic paint, light white bone color.
- Paint all metallic sections with anticorrosive paint, light white bone color.

3.7 Electrical.

- The structure should also be built with the electrical system that include: air conditioning split unit (INVERTER 9000 BTU), Eaton Cutler-Hammer 125-Amp 8-Space 16-Circuit Type CH Indoor Main Lug Sub Feed Panel, One CH 50 Amp double-Pole breaker, Six CH 20 Amp. breakers, LED interior lighting and two grounded electrical outlets installed, and wired with # 12 AWG wire and using the electrical color code.

3.8 The contractor shall install a light pole and light fixture supplied by the Embassy adjacent to the building and the existing concrete wall, and wired with # 12 AWG wire and using the electrical color code.

3.9 The contractor shall supply and install one security drop arm mechanism similar to the Delta Scientific SG1420 adjacent to the western side of the guard shack structure. The contractor will also supply 4 extra 10 foot drop arms with the unit. The actual location will be determined during the site visit.

3.10 The contractor shall install two anti-ram removeable barriers in the driveway of the Embassy Compound. These barriers shall be white or other neutral color and similar to

TrafficSafetyStore.com item #:JSS 100 WHT. The exact location will be determined during the site visit.

3.11 The contractor shall repair any damage on existing property that came as a result of the contractors work.

4.0 MATERIALS AND TOOLS

4.1 The contractor shall provide labor and material that will be used on this project.

4.2 The contractor shall use his own tools needed for the project.

5.0 POWER

5.1 The contractor shall provide a generator for all electrical power tools and or equipment such as a welder or any other electrical power needs. Compound electrical power will not be used for this project.

6.0 SITE CONDITION AND CLEAN UP

6.1 The contractor shall maintain the site in a safe and secure condition at all times.

6.2 The contractor shall maintain the site in a neat and clean condition at all times.

6.3 The contractor shall remove and dispose of all waste materials including concrete, aggregate materials, reinforcing steel rebar(s), piping, associated with the project.

6.4 The contractor shall return the construction site back into the same condition or better, as it was found prior to the start of the project.

7.0 PROJECT SCHEDULING

7.1 The contractor shall provide the time needed to complete this project in-their project proposal they submit.

7.2 The contractor will have access to the site 7 days a week (Monday-Sunday), 12 hours per day. All work outside of this time frame will require prior approval from the Contracting Officer Representative.

7.3 The contractor shall provide verbal weekly work progress reports to be incorporated in a written weekly progress report.

8.0 CONTRACTOR RESPONSIBILITIES.

The contractor shall conform to the following:

8.1 The contractor is responsible for ensuring the safety of the workers and site personnel during the project.

8.2 The contractor shall verify and be responsible for all dimensions and conditions at the job site for their tasks.

8.3 The contractor shall ensure the site is kept dry at all times.

8.4 The contractor shall be responsible for the protection of all adjacent areas against damage and shall repair all damaged areas to match existing improvements.

8.5 The contractor shall keep the construction area clean at all times and at completion of work remove all surplus materials, equipment and debris leaving the premises in a clean condition acceptable to the owner or owners representative.

8.6 The contractor shall perform damage restoration improvements as associated with the project.

8.7 The contractor shall identify and immediately bring to the attention of the Contracting Officer Representative any anomalies of concern.

9.0 REPORTING REQUIREMENTS.

The contractor shall provide the following:

9.1 The contractor shall provide daily verbal progress reports as requested by the Contracting Officer Representative.

9.2 The contractor shall provide verbal notice to the Contracting Officer Representative, two week in advance of the delivery of any and all materials and equipment to site.

9.3 The contractor shall provide written notice to the Contracting Officer Representative, one week in advance, of the need of access to the site of any additional construction personnel after the start of the project. This also pertains to delivery personnel who will need to be on site for an

extended period of time, more than simply dropping off materials (i.e. operators of rental equipment, driver of material delivery truck, etc.)

9.4 The contractor shall identify and immediately bring to the attention of the Contracting Officer Representative any anomalies of concern.

10.0 GENERAL INFORMATION.

10.1 Throughout the project process there will be a Contracting Officer Representative on site to oversee and assist the contractor with any anomalies or areas of concern.

10.2 The contractor, upon completion of the project shall remand all documentation for the project as required by post Regional Security Officer and/or Post Security Officer.

10.3 The contractor shall surrender any/all documentation, pertaining to the project, to the Contracting Officer Representative as requested and/or required by Regional Security Officer and/or Post Security Officer .

10.4 The contractor and his personnel will be escorted at all the time when working inside the US embassy compound.

10.5 The contractor and his personnel can use the restrooms located at the Main Compound Access Control (MCAC) building.

10.6 The contractor may visit, if escorted, the general service office when required.

11.0 DOSAR CLAUSE 652.236-70

Accident Prevention

11.1 Contractors must demonstrate understanding of their responsibilities by addressing hazards in preplanning processes and meetings.

11.2 Prior to starting a project, each contractor is required to review the work site and identify hazards that may occur while performing the job.

- Hazard identification shall be accomplished by conducting an Activity Hazard Analysis (AHA) for individual tasks.

- This requirement shall include the submission of AHA documentation.

- AHA forms and general information can be obtained from Embassy Post Occupational Safety and Health Officer (POSHO) and/or the Contracting Officer Representative.

11.3 Prior to starting a project, the contractor shall contact Contracting Officer Representative, to ensure they have received pertinent information for the project including requirements for permits, floor plans, utility information, asbestos, lead based paint, and other hazardous materials.

11.4 Contractors must provide their employees with a safe and healthful condition of employment.

11.5 Contractors are expected to provide a "competent person" to implement site health and safety plan and to oversee its compliance. A competent person is an individual who, by way of training and/or experience, is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation, is designated by the employer, and has authority to take appropriate actions.

11.6 The Contractor shall be responsible for the removal and/or disposal of hazardous waste generated from the project. Hazardous waste generated from the project must be removed and disposed of in accordance with the Department's Hazardous Waste Management Policy as well as local rules and regulations.

11.7 The contractor shall ensure proper safety health and environmental requirements of US Army Corps of Engineers EM 385-1-1 manual applicable to their project are followed. EM 385-1-1 information can be obtained through the Post Occupational Safety and Health Officer (POSHO) and/or the Contracting Officer Representative.

11.8 The contractor shall ensure individuals working at the site are trained and are aware of potential hazards. Contractors shall ensure that these individuals are provided with proper safety equipment to prevent accidental injury in accordance with the requirements of the contract.

11.9 Contractors will report accidents to POSHO.

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