

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 22-Aug-2011	4. REQUISITION/PURCHASE REQ. NO. WF7LKT11810601		5. PROJECT NO.(If applicable)
6. ISSUED BY REGIONAL CONTRACTING OFFICE (RCO) BOGOTA U.S. EMBASSY-BOGOTA USMILGRP UNIT 5130 APO AA 34038-5130	CODE W913FT	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W913FT-11-T-0092	
		X	9B. DATED (SEE ITEM 11) 02-Aug-2011	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to correct the SOW. all other terms and conditions remain unchanged.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 22-Aug-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

The following have been modified:

SOW

STATEMENT OF WORK (SOW)
INSTRUCTION STAND FOR COVEÑAS, SUCRE

1.0 SCOPE OF WORK: The Contractor shall build an instruction stand in Centro de Instruction in the Infanteria de Marina, Coveñas, Sucre, Colombia. The Contractor shall provide drawings, transport and installation of all materials, labor, and equipment needed to build the stand with an area of approximately 75 square meters (m²) in accordance with (IAW) the Statement of Work (SOW). The scope of work includes:

- Localization and lay out the project at the project site.
- Excavation of footers, compacted filling, proper concrete mix for the footings, footing beams, aerial beams, columns, slabs and concrete tables.
- Provide and install masonry blocks for concrete tables “meson”.
- Provide and install metallic structure and roof materials

1.1 Required Performance Period: The Contractor shall be afforded 70 days from the date of award to complete all work. A final inspection by the Contracting Officer (KO) and the Project Engineer (PE) will be conducted prior to acceptance of the project and final payment made.

2.0 PRELIMINARIES: The Contractor shall not initiate work until the following are complete:

- a. Contractor delivers the drawings, tests, material samples, etc. to the PE for approval.
- b. Contractor delivers a list of the complete names of personnel on site, with identification card numbers and place of issue to base security personnel for investigation and entry permits.

2.1 Drawings: All structural, architectural and rainwater drawings shall be provided to the PE for approval within 15 days of award. All drawings shall be developed by an engineer certified in that particular discipline, and comply with appropriate codes.

2.1.1 Structural and Architecture Drawings: Comply with “Norma Sismo Resistente” (NSR) – 2010 code.

2.1.2 Rainwater Drawings: Comply with Colombian codes “Norma Tecnica Colombiana” (NTC) – 1500.

2.2 Soil Study: Contractor shall provide a soil study for PE approval within 15 days of contract award, and before construction may begin.

2.3 Surveying and Layout: A field book shall be kept on the T-shaped rod sighting points and grade (niveletas) levels, while allowing for ground settlement. The contractor is responsible for surveying the terrain levels from the Bench Mark Survey (BMS), base lines, topographical points, perimeter limits, and other control elements necessary to identify the terrain localization and/or elevation.

2.4 Provisional Fencing and Camp: The Contractor shall install provisional fencing and a camp during project development. Upon project completion, debris shall be taken to an area indicated by Coveñas Base authorities.

2.5 Unforeseen Conditions: The Contractor shall conduct aerial, surface, underground or embedded interference search to avoid damage to pipes, boxes, cables, utility poles, hoses, wells or other elements in the work area. If a potential interference is found, the contractor shall discuss alternatives with the PE.

2.6 Superintendent Engineer/Architect Resume: The Government will consider the extent to which the proposed Superintendent Engineer/Architect has experience on projects equal to or greater than the work required for this project in terms of scope and magnitude. The resume shall be provided to the PE for approval, before work may begin.

3.0 DETAILED ACTIVITIES:

3.1 Excavation: All vegetation and top soil shall be removed from site, compacting the exposed surface to at least 95% Proctor Standard (per NSR-2010 code), before beginning backfill. The Contractor shall also provide Proctor Standard results to PE for approval before starting backfill. This includes backfilling and leveling the ground according to the recommendations given in the soil study, and their reasonable proximity to the alignment and gradient shown in the plans or set by the PE. The Contractor shall remove excess materials, and debris to an area authorized by Coveñas Base authorities.

3.2 Concrete Structures: This refers to fabrication, transportation, pouring, and respective reinforcement elements required IAW structural drawings. This item shall be quoted as per detailed chart.

- Concrete footing and foundation beams.
- Concrete columns and aerial beams.
- Concrete slab sub floor.
- Perimeter channel in concrete for water collecting.
- Concrete mix design shall comply with 3000 psi at 28 days strength.

3.2.1 Concrete Forms: The PE shall approve the formworks and molds, steel reinforcement, rebar arrangement, overlaps, and all related details, seven (7) days prior to start. The forms and supports shall have the necessary resistance and rigidity to support concrete, without localized settling over (0.001) mil of light. The supports shall be arranged to never stress the completed parts of the project at a level higher than one third (1/3) of the design stress. The joints in the forms shall not have slits bigger than 3 millimeters to avoid grout losses, but still have enough room to avoid boards (when using wood) from shrinking and deforming due to inclement weather.

3.2.2 Concrete Pour: All forms and molds shall be cleaned, and dampened with a non petroleum based stripper. Pours shall be in one continuous operation per section. All soft concrete shall be compacted, preferably with a vibrator to ease it around embedded installations. For initial installation of clean concrete, the Contractor shall ensure the poured concrete creates a clean area of thickness = 0.05m. The Contractor shall install the reinforcement for footing and concrete IAW the Contractor's drawings. The pour shall be protected from inclement weather and the exposed concrete surface kept constantly damp for the first seven (7) days.

3.2.3 Repairing Concrete Defects: All defects shall be repaired by cutting out the defective surface, cleaned with compressed air, and filled with epoxy based concrete or mortar, per manufacturer's instructions. Contractor shall submit epoxy specifications for PE approval, before repairs can begin. Repairs shall not be made using common concrete or mortar.

3.2.4 Concrete Testing: The Contractor shall prepare and properly mark six (6) concrete test cylinders per nine (9) cubic yard batches or single mixture in strict accordance with Colombian Law 400 of 1997, and NSR-2010. The Contractor shall conduct the quality tests of concrete used. The contractor shall provide test copies for PE approval before concrete pour. The samples shall be tested in accordance with the C39/C39M-10 Norm of the ASTM (test of cylinders of concrete for compression).

3.2.5 Rebar and Ties: The rebar shall be bent with no variations greater than one centimeter. They shall be tied to the formwork with wire, concrete, or stone plugs; and among themselves with iron annealed No. 16 wire.

Separation between parallel rebar shall have a minimum separation equal to the diameter $1 \frac{1}{3}$ of the greater diameters of the coarse aggregate used. Their position shall be adjusted according to the indications in the drawings and instructions approved by PE. The correct arrangement shall be reviewed before the pour, and any modifications noted. No rebar shall be bent on the field. Rebar in a packet shall be tightly tied together forming a single unit. Packets with more than four (4) rebar are not permitted. It may be required that the framework functions below two-thirds ($\frac{2}{3}$) of its admissible tension either by overlap or welding. The overlap of rebar packets shall be based on the packet length required, increased by 20% for three (3) rebar packets and 33% for four (4) rebar packets. The centers of the ties shall be more than 40 diameters (40 D) throughout the length of the piece. When the use of mortise is permitted, the diameter shall not be smaller than the main reinforcement.

3.2.6 Embedding: For elements not exposed to the weather or ground, the minimum embedment shall be: slabs: 2 cm (0,8 in); beams and columns: 3 cm (1,2 in).

3.3 Conventional Masonry: The Contractor shall ensure that all walls be conventional masonry (Prensado SantaFe type bricks). Walls shall be plumb, seating brick in mortar at a 1:4 ratio, forming joints not thicker than 1.5 cm. Blocks with strengths and dimensions specified by the Contractor's structural drawings shall comply with quality and standard dimensions. Masonry shall finish correctly because do not include stucco or paint.

3.4 Metallic Structure: This work includes all materials, equipment, tools, and labor necessary for the complete installation of the metallic roof structure. It includes supply installation and anchors to support all cover for lodging areas in metallic carpentry, as is shown in the schemes attached. The design of welded connections, electrodes, filler metal, labor, inspections, and tests shall follow standards determined by the latest American Welding Standards (AWS) and American Institute of Steel Construction (AISC) editions. Welding samples, methods, and electrodes shall be approved by the PE, before installation may begin. If doubts arise about a weld sample, the PE shall order trepanation tests at no cost to the government. If deficiencies are found, then all welds shall be checked, and re-welded. The joint plates for columns shall be joined by welding each side of the plate, with a minimum length of $\frac{1}{2}$ the length of the plate. Structural cross-sections shall be bent cold, and parts cut when indicated. Cuts shall be with fine nozzle oxyacetylene, but preferably with a saw for cross-sections.

3.5 Roof: The Contractor shall install a thermo acoustic roof tile tied to the metallic structure. In addition, the Contractor shall install rainwater channel and downspout. The Contractor shall seal roof overhang using fascia or screens. The Contractor shall anchor the new roof frame structure to the bond beam rebar where required IAW the Contractor's drawings.

3.6 WATER NETWORKS: The Contractor shall ensure that all materials, equipment, and labor necessary for the complete installation of a drainage systems, according to the National Plumbing Code (NPC), the American Water Works Association (AWWA), and NTC 1500.

3.6.1 Rainwater Network: The Contractor shall ensure that the network shall be an easy to maintain system. Concrete gutters shall be on the contiguous slope and drain to the site indicated in drawings.

4.0 SPECIFICATION OF THE MATERIALS: The Contractor shall be responsible for the development of a material list for PE review. The Contractor shall provide a draft list for review no later than 3 business days after Government approval of the Contractor's drawings. Upon approval of the material list by Government, the contractor shall provide sample materials as identified in the approved material list.

5.1 Cement: The Contractor shall ensure that the cement used in the cement mixtures shall be Type 1 Portland cement (normal) and meet all American Society for Testing Materials (ASTM) C150/C150M-09. If the project site has high sulfate content, Type V Portland cement shall be used. The Contractor shall provide additive specifications where required.

5.2 Concrete: The Contractor shall ensure that all recommendations of the American Concrete Institute (ACI) Committee Report 301M-99 (Specifications for Structural Concrete for Buildings) or equivalent Colombian specification (NSR-10) shall be followed. All other concrete operations shall follow the Building Code Requirements for Reinforced Concrete ACI 318M-08. All the standards of the ASTM are mandatory. The specified

compression resistance shall be measured at the rupture in cylinders measuring 15cm x 30 cm (6 in x 12 in), after 28 days, according to the ASTM C39/C39M-10 standards. All concrete shall have an overlap no greater than three (3) inches. Concrete used for the foundation, columns, joints tied to the foundation, load and tie joints and remaining structural elements, shall have a compression resistance of 210 Kg/centimeter² (3000 lb/square inch). The resistance to fluid concrete for the filling of the reinforced masonry blocks shall guarantee a minimum of 140 Kg/centimeter² (2000 lb/square inch).

5.3 Aggregates: The Contractor shall ensure that aggregates be classified by size, and stored to avoid foreign matter. They shall follow ASTM C33/C33M-11. Sand shall contain deleterious substance in excess of the following percentages: Clay clods - 1%, Pit Coal and Lignite - 1%, Material passing #200 Screen - 3%. The size of the crushed stone shall not be larger than 1/5 of the greatest separation from the sides of the formwork; 1/3 of the slab, or 3/4 of the free space between individual rebar or rebar ties. It shall meet the ASTM C33 standards, with its maximum dimension in accordance with Section 33 of the ACI 318M – 08 Regulation.

5.4 Reinforced Steel: The Contractor shall provide rebar with patterns to assist adhesion. All steel shall be new billet steel conforming to ASTM A615/A615M-09b Grade 60. Rebar grade shall be 60 (420 for metric). Minimum yield strength shall be 420 MPa (60,000 psi). All dirt and non-adhered advanced state oxidation shall be removed. The rebar for the work of setting bolts and tie anchors shall be corrugated and comply with the specifications for steel bars and smooth ingots to reinforce concrete, including complementary requirements ASTM A615/A615M-09b or NSR-2010.

5.5 Metallic Structure Materials: The Contractor shall ensure that the steel meets ASTM A36/A36M – 08, ASTM C500/C500M-10a and ASTM C501-07 specifications for welding structural steel, according to ASTM A755 / A755M - 03(2008). All steel shall be hot galvanized. All metal scratches and welding burrs shall be removed, and surfaces dry before anticorrosive paint is applied. The Contractor shall provide, for PE approval, patterns for placement, anchor and bolt examples, and all steel elements to be embedded in the concrete, 8 days before installation.

5.6 Welding: The Contractor shall ensure that electrodes be class E60 x AWS for structural steel and class E70 x AWS for rebar with a stress flow of 2,800 Kg/square cm (40 ksi). All structural steel elements shall be joined with the electric arc process using E 60 xx electrodes that comply with the ASTM-233 specifications. For rebar welding if required, welded ties shall conform to American Welding Society (AWS) D 1.4/D 1.4M standards, and develop at least 125% of the flow resistance specified.

5.7 Laminated Structural Steel: The Contractor shall ensure that all structural steel, be new and comply with “Design Specifications, Fabrication and Erection for Structural Steel Buildings” of the American Institute of Steel Construction (AISC) or NSR-2010 and shall be type ASTM A36/A36M-08 as certified by a laboratory, with stress in the flow limit of 2,531 Kg/square cm (36,000 lbs/square inches). Structural cross-sections shall be bent cold, and parts cut when indicated. Cuts shall be with fine nozzle oxyacetylene, but preferably with a saw for cross-sections.

5.8 Masonry Unit Blocks: The Contractor shall ensure conventional masonry (Prensado Santafe type bricks with uniform size, color, and texture). All ICONTEC “Instituto Nacional de Normas Tecnicas Colombianas” norms shall govern. The compression resistance shall be $f_m = 95 \text{ Kg/cm}^2$ (1,350 ksi). The Unit Blocks shall be suitable for load bearing applications, and free of defects. Minor cracks from manufacturer or minor chipping from handling are not grounds for rejection. Five percent with chips less than 25.4 mm (1 in) in any dimension, or cracks not wider than 0.5 mm (0.02 in) but not longer than 25% of the nominal height of the unit are permitted. A sample of the block shall be provided for PE approval a minimum of eight (8) working days prior to installation.

5.9 Rainwater, Pipes, and Accessories: If required the Contractor shall ensure that the systems shall be constructed with PVC Schedule 40, specifications ASTM D3034-08, ASTM D2729-11 and ASTM D2241-09. Accessories shall be according to ASTM D2655-10.

5.10 Paint for Metallic Structure: The Contractor shall ensure that the paint manufacturers be national industries of high quality. Materials and paint brands shall be submitted for PE approval, before paint is applied. All paint shall be delivered in its original unopened packaging with labels intact. Paints shall be kept protected against fire, and damage. Ceilings, eaves, and any other part specified in the plans shall have one coat of anticorrosive and two (2) coats of acrylic high quality weather resistant paint. The Contractor shall provide samples of wall colors, for PE approval, before paint may be applied.

SECTION 00700 - CONTRACT CLAUSES

The following have been modified:

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within ten (10) calendar days after the date the Contractor receives the award, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 70 days. * The time stated for completion shall include final cleanup of the premises.

(End of clause)

52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

Site visit will be conducted at the 24 August 2011. All coordination for the site visit will be done by the USMILGP Logmis engineer Luis Correa.

(b) Site visits may be arranged during normal duty hours by contacting engineer:

Name: Luis Correa

Telephone: 011-571-311-462-5675

(End of provision)

252.236-7001 CONTRACT DRAWINGS AND SPECIFICATIONS (AUG 2000)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer.

(b) The Contractor shall--

(1) Check all drawings furnished immediately upon receipt;

(2) Compare all drawings and verify the figures before laying out the work;

- (3) Promptly notify the Contracting Officer of any discrepancies;
 - (4) Be responsible for any errors that might have been avoided by complying with this paragraph (b); and
 - (5) Reproduce and print contract drawings and specifications as needed.
- (c) In general--
- (1) Large-scale drawings shall govern small-scale drawings; and
 - (2) The Contractor shall follow figures marked on drawings in preference to scale measurements.
 - (d) Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.
 - (e) The work shall conform to the specifications and the contract drawings identified on the following index of drawings:

Drawing No.

TABS 1-2

(End of clause)

(End of Summary of Changes)