

**STATEMENT OF WORK FOR
MULTIPLE AWARD CONSTRUCTION CONTRACT (MACC)
PROJECT MUHJ 10-4096
REPAIR NOR'EASTER DAMAGE, FLOORS/WALLS/CEILINGS/UTILITIES/ROOF F.
750
AT
LANGLEY AFB, VIRGINIA**

The following statement of work for the MACC contract is keyed to the General Provisions contained in Attachment 3 to the basic contract and serves to clarify intent within the annotated paragraphs. The requirements identified within the General Provisions shall remain in full affect unless otherwise specifically noted.

1.1 CURRENT CONDITIONS:

Project Number MUHJ 10-4096 Repair Nor'easter Damage, Floors/Walls/Ceilings/Utilities/Roof, F. 750

The 633d Civil Engineer Squadron has received a requirement to repair storm damage caused by the November 2009 Nor'easter at building 750. This will require design-build services. Only the portion of the building utilized by the Maintenance University is included in this contract. The portion used by Air Combat Command (ACC) is not included in the contract.

The Contractor shall complete a design-build effort as outlined in all following sections of this Statement of Work. (See attached drawing that is provided for INFORMATION ONLY).

1.2 DESIGN:

MUHJ 10-4096 Repair Nor'easter Damage, Floors/Walls/Ceilings/Utilities/Roof, F. 750: The scope of work for this project includes the following areas at the site that require repair.

- 1.2.1. Repair by replacement the floors and walls**– Includes design and specifications for the removal and replacement of all existing floor finishes and the lower part (to a height above the floor as determined by the Designer of Record from field survey and investigation) of all gypsum wallboard finish, and other necessary civil and electrical infrastructure work, and related appurtenances. New floors and walls shall be designed to be water resistant, so in the future, when the building floods, water does not get under the floor finish or into the walls.
- 1.2.2. Repair by replacement the electrical and communications outlets** – Includes design and specifications for the relocation of all electrical and communications outlets and related appurtenances. Outlets will be located on the same vertical axis but will be raised

up to prevent flooding and so as not to interfere with the water resistant finish on the lower part of the walls.

- 1.2.3. **Repair by replacement roof and ceiling areas that leaked** – Includes field survey and investigation, as well as design and specifications to repair damaged roof areas, subsequent ceiling leaks within the building, and related appurtenances.
- 1.2.4. **Repair by replacement portions of the fire alarm system that are water damaged** – Includes design and specifications for the replacement of the existing fire alarm panel, damaged wiring, detectors, and other necessary civil and electrical infrastructure work, and related appurtenances. The area of damage is primarily underneath the raised section of flooring.
- 1.2.5. **Repair windows and associated structure on the north side** – Includes design and specifications for the repair of windows, interior and exterior structure surrounding them, and related appurtenances. These windows leak even in small rain showers and the leaks cause damage inside. An exterior bituminous vapor barrier has not helped. Designer of Record shall conduct a field survey and investigation to determine cause and solution to moisture infiltration.

1.3. BUILD:

MUHJ 10-4096 Repair Nor'easter Damage, Floors/Walls/Ceilings/Utilities/Roof, F. 750: The scope of work for this project includes the following areas at the site that require repair.

- 1.3.1. **Repair by replacement the floors and walls**– Includes the removal and replacement of all existing floor finishes and the lower part of all drywalled walls, and other necessary civil and electrical infrastructure work, and related appurtenances per the approved final construction documents. New floors and walls will be water resistant, so when the building floods water does not get under the floor finish or into the walls.
- 1.3.2. **Repair by replacement the electrical and communications outlets** – Includes the relocation of all electrical and communications outlets and related appurtenances per the approved final construction documents. Outlets will still be located on the same vertical axis but will be raised up to prevent flooding and so as not to interfere with the water resistant finish on the lower part of the walls.
- 1.3.3. **Repair by replacement the areas of roof and ceiling that leak** – Includes the repair of areas of roof and ceiling that leak into the building, and related appurtenances per the approved final construction documents.
- 1.3.4. **Repair by replacement portions of the fire alarm system that are water damaged** – Includes the replacement of the existing fire alarm panel, damaged wiring, detectors, and other necessary civil and electrical infrastructure work, and related appurtenances per the

approved final construction documents. The area of damage is primarily underneath the raised section of flooring.

1.3.5. Repair windows and associated structure on the north side – Includes the repair of windows, interior and exterior structure surrounding them, and related appurtenances per the approved final construction documents. These windows leak even in small rain showers and the leaks cause damage inside. An exterior bituminous vapor barrier has not helped.

- The Contractor shall ensure that the Sub-contractor used to repair the floors and walls is a reputable business, having five years or more experience in installing floors and wall coatings to waterproof buildings. The Contractor shall provide the Government examples of at least four (4) projects that are within the same price range that were accomplished within the last three (3) years, as well as POCs and contact information.
- The Contractor shall provide electronic as-built information on compact disk compatible with Langley's Geobase database system for electronic record of work as well as a hard-copy set of as-built drawings on 4-Mil Mylar. All drawings provided in either electronic or hardcopy form shall be in AutoCAD ".DWG" format.

2. PROGRAM MANAGEMENT:

The contractor shall sequence his work to ensure progress efficient for occupancy and use.

2.1 COMMENCEMENT, PROSECUTION AND COMPLETION OF DESIGN:

The Contractor is required to complete the following design requirements:

35% Design

1. Prepare preliminary options.
2. Partial design analysis.
3. Outlined specifications.
4. Preliminary drawings.
5. Estimate.

90% Design

1. Full technical specifications.
2. Full design analysis
3. 100% complete equipment and material schedule with manufacturer's make and model number.
4. Drawings.
5. Basis of design.
6. AF Form 66 and estimate.

100% Final Design

1. Full technical specifications.
2. Full design analysis
3. 100% complete equipment and material schedule with manufacturer's make and model number.
4. Submittal registry (AF Form 66)
5. Drawings.
6. Basis of Design

Prior to NTP for Construction

The Contractor shall:

1. Incorporate 90% government comments and notes
2. Ensure drawings are signed and sealed (professional engineer/architect).

<u>% DESIGN</u>	<u>TIME, CALENDAR DAYS</u>
35	30
90	36
100	7

Total design performance time is 73 calendar days for design, not including Government review time. Government review time will be approximately 10 calendar days per submittal. (Please note the use of calendar days not workdays.) Construction of the project shall be ~~180~~ ²⁰³ calendar days.

The quantity of documents required at the various submissions is as follows:

	<u>35%</u>	<u>90%</u>	<u>100%</u>
Orig Dwgs (Mylar Set)	-	-	1
Dwg Prints	8	8	4
List of Guide Specs	8	N/A	N/A
Marked-Up Guide Specs	-	N/A	-
Typed Specs	-	8	Original and 4 copies
Design Analysis	4	4	Original
Cost Estimate	4	4	Original

2.2 SUBCONTRACTORS:

No variance.

2.3 QUALITY CONTROL PLAN:

No variance.

3. RESPONSE REQUIREMENT

No variance.

4. DESIGN DOCUMENTS, GENERAL:

See Special Conditions Section 01 11 00, section 1.5.

4.1 DRAWINGS, BID SCHEDULE AND COST ESTIMATE:

See Section 2.1 for variance.

4.2 DRAWING:

Electrical, Civil, Fire Suppression, and Communications.

4.3 RENDERED PERSPECTIVE:

There is no requirement for architectural renderings within this scope of services.

4.4 SPECIFICATIONS:

No variance.

4.5 CONSTRUCTION COST ESTIMATE BREAKDOWN:

No variance.

4.6 PREPARATION OF AF FORM 66, Schedule of Material Submittals:

No variance.

4.7 BID SCHEDULE:

A sample bid schedule is furnished.

5. DESIGN ANALYSIS:

No variance.

6. CONTRACT DOCUMENTS SPECIAL REQUIREMENTS:

No variance.

7. APPLICABLE CODES AND REGULATIONS:

In addition to Special Conditions Section 01 11 00, paragraph 1.6, refer to the below:

- A.** International Building Code
- B.** International Mechanical Code
- C.** International Fire Code
- D.** International Code Council (ICC) International Plumbing Code
- E.** National Electrical Code (NEC)
- F.** ANSI C-2, National Electrical Safety Code (QIESC)
- G.** Life Safety Code, NFPA 101
- H.** Applicable Unified Facilities Guide Specifications
- I.** Unified Facilities Criteria UFC 3-410-01FA Heating, Ventilating, and Air Conditioning
- J.** American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) Standard 55-2004, Thermal Environmental Conditions for Human Occupancy (ANSI Approved)
- K.** American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality (ANSI/ASHRAE Approved)
- L.** Leadership in Energy and Environmental Design (LEED®) for New Construction and Major Renovation v2.2 Reference Guide
- M.** National Fire Protection Association Codes (NFPA) – latest edition
- N.** Air Combat Command Fire Protection Standards and Assessment

8. GOVERNMENT POINT OF CONTACTS

633 CES Project Manager – 1Lt Steve Mackinder (757) 574-1142

User - ACC – Mr. John Rippy (757) 574-7111

- 1 MOS – MSgt Steven Witcher (757) 225-8101