

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE 1 OF PAGES 07
2. AMENDMENT/MODIFICATION NO. 0006	3. EFFECTIVE DATE 07/19/2011	4 REQUISITION/PURCHASE REQ NO. N/A	PROJECT NO. (If applicable)	
6. ISSUED BY Contracting Division USCG, Facilities Design & Construction Center (Atlantic) 5505 Robin Hood Road, Suite K Norfolk, VA 23513-2431		7. ADMINISTERED BY (If other than item 6.) Code N/A		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. HSCG47-09-R-3EFK03/X0008	
		<input type="checkbox"/>	9B. DATED (SEE ITEM 11) May 11, 2011	
		<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.	
		<input type="checkbox"/>	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 Offers <u> X </u> is extended <u> </u> is not extended . Offers 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> copy 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.				
<input type="checkbox"/>	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.			
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATION CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).			
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:			
<input type="checkbox"/>	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 <u> </u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DESIGN AND CONSTRUCT MID-LIFE RENOVATIONS TO CHASE HALL BARRACKS PHASE III, U. S. COAST GUARD ACADEMY, NEW LONDON, CT PRICE PROPOSALS ARE DUE JULY 29, 2011 AT 2:00 PM				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
15B. CONTRACTOR/OFFEROR (Same as Item 8) _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED	

PERTAINING TO SPECIFICATIONS:**Section 00102 LIST OF DRAWINGS, EXHIBITS AND ATTACHMENTS****1.3.7 Reference Drawings**

Add the following twelve Mechanical drawings for the Phase II project currently under construction. These drawings will be provided electronically in Adobe PDF format.

Drawings: MD100 – MD104 and M100 – M601

Section 01110 GENERAL PARAGRAPHS**1.5 WORK SEQUENCE AND WORK RESTRICTIONS**

1.5 f) Change to read:

“f) When work areas require closure of a pedestrian sidewalk or walkway, the contractor shall provide a safe alternate route clearly marked and separated using safety fencing consisting of 6 foot tall chain link or 6 foot tall 5/8 inch plywood barricade painted Forest Green both sides (plastic fencing is not acceptable). At locations where pedestrian pathway may be exposed to potential of falling debris (example: SouthEast corner of Annex B where trash chute may lead out of Annex B windows to a dumpster below crosses walkway) the contractor shall provide a covered walkway designed and constructed to protect the pedestrian from this hazard. Limited closures (1 day duration for up to 25 events) of this walk-way may be allowed when necessary for loading heavy materials up to Annex B windows. Contractor shall provide 24 hour notice of this walkway closure, barricade walkway access at each end and provide a dedicated individual on the ground responsible only for oversight and safety during loading operations. The contractor will be responsible for restoring all temporary routes back to original condition”

Section 01158 DESIGN/BUILD CRITERIA

1.4.1 Change the first sentence to read:

"The following descriptions presented herein describe the required routing for the chilled water lines from the Chiller Plant to Chase Hall, and related work for various paving, site work, and utilities."

1.4.1 Add the following after the first sentence:

"The indicated routing of the chilled water lines shall be the basis for the Contractor's Base Bid."

1.4.5 Change the first paragraph to read:

"Chilled Water Line Route - Construction from the Chiller Plant to Chase Hall - Verify the final sizes of all buried chilled water lines and other related work. The Drawings and following paragraphs describes the routing for the chilled water lines and related work for various paving, site work, and utilities. They are not to be considered all inclusive for the requirements of this project. Contractor is responsible for the exact placement of the piping within the indicated route and installation of the chilled water system and all associated work. The contractor can expect to encounter groundwater in all excavation work associated with the project. The contractor will be responsible for de-watering operations and disposal of water in accordance with all applicable codes and regulations. The quantity of groundwater varies seasonally and with rain events."

1.4.5. b) Change the seventh sentence to read:

"Determine the exact placement of the chilled water mains, within the indicated route, from the intersection to the parking lot."

1.4.5. e) Delete the sentence that reads:

"The final chilled water main route will be determined by the Contractor."

1.7 ARCHITECTURAL DESIGN

1.7.2.1 f) Elevator Modernization, add the following subparagraph:

"19) Contractor shall assume for bid purposes that the existing Annex B elevator hydraulic fluid is PCB-free. Bidders shall include in their bid submission price, all costs associated with obtaining field-sampling of the existing hydraulic system fluid and a certified laboratory test report prior to scheduling/engaging in any elevator hydraulic system-related demolition work. The Contractor shall provide a copy of the lab report to the Government for review and sign-off prior to scheduling any elevator system removal work. Should the test results indicate the presence of PCBs, then the removal and disposal shall be handled as a differing site condition."

1.7.2.11.4

Change heading for Hardware Set 1 to read:

"Hardware Set 1 (Berth Rooms/Dayroom/Office)".

Add the following to Hardware Set 1:

"Provide new magnetic key card lock sets, to match existing, for Dayroom 4061 and the office's Room 2063 and 3063."

1.11 PLUMBING

1.11.2.1 Annex B - Sub-Basement Exposed Sanitary Sewer Main Replacement -modify the last sentence of the first paragraph to read as two sentences as follows:

"Fabricate new replacement piping of either hub-and-spigot DWV cast iron piping (service weight or heavier), or, if the Contractor determines that the maximum mixed waste temperature entering the new main (which includes hot Galley dishwasher effluent) is no higher than 140-degrees F, solvent-welded Schedule 40 PVC or ABS DWV piping would be acceptable materials. Properly slope and sufficiently support and/or hang all new and modified existing piping from substantial structure as required to prevent deflection."

1.12 HEATING, VENTILATING AND AIR-CONDITIONING (HVAC)

1.12.1.3 (Design Temperatures), append the following sentences:

"HVAC equipment selection design basis for the Chilled Water Plant ONLY shall be capable of addressing respective heat gain and heat loss demands under current published local/area (New London, CT) ASHRAE-published design conditions (2.5% cooling & 975% heating) while maintaining interior space conditions of 78-deg F (db) @ 50-Percent R.H. for summer cooling, and 68-deg F for winter heating."

1.12.1.8 (Propylene Glycol Solution), add the following sub-paragraph:

"In addition to glycol charging of the new chilled water piping system aspects to be provided under this RFP by this Contractor, this Contractor shall also provide a complete pre-mixed, 30-Percent-by-volume concentration inhibited glycol charge for all of Chase Hall - Annex A's newly installed (black steel) chilled water system (generally described as piping installation encompassing a North, South, and portions of the West Wings). The Annex A chilled water system piping and fancoil units (currently under a separate construction contract) are scheduled for completion circa. November 2011. For bidding purposes, this Contractor shall assume the handover of Annex A's chilled water system (including piping, appurtenances, AHU's, and fancoil units) in a state as having been flushed, pressure-tested, and filled with clean corrosion-inhibited water. This Contractor shall be required to fully drain Annex A system's water charge (including coils), followed by glycol charging, and air purging of the entire system, making it ready for use along with the remainder of the new chilled water system installation provided under this contract."

1.12.1.19 (HVAC Equipment and System Testing, Balancing and Adjusting (TAB)), add the following sub-paragraph:

"1.12.1.19.3 Chase Hall - Annex A TAB Work - A separate contract related to renovations of Chase Hall - Annex A (North, South and portions of the West Wings) is currently in-progress. Preliminary TAB work for Annex A - South has already been completed. Full (Annex A) project TAB & Commissioning activities are anticipated to be completed circa. November 2011. This Contractor will be provided with a final Annex A TAB report, for

information purposes as may potentially relate to this Contractor's work, once it is available from the Annex A contractor."

1.12.1.23 Delete the last two sentences.

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RESPONSES TO RFI QUESTIONS

1. In Chase Hall Annex A, the Manual Transfer Switch must be 2000 amps at 480 volts because of its location between the Transformer and Main Switch. 2000 amp 480 volt generators are not commonly available. It would be more practical to feed this Manual Transfer Switch from a breaker in the new Switchboard. Would the Coast Guard accept a different sized Manual Transfer Switch at the new switchboard?

Answer: Presumably, the enquiry intends to address Annex B, and not Annex A. A 1500 KW generator set can produce 2250 amps and is a standard rental unit size from one of the major generator manufacturers. If the portable generator is connected by a circuit breaker in the switchboard, then a transfer switch is not required; however, the resultant installation would (continue to) be a “systematic switching scheme”, which is in essence what Annex B already has, and for which USCG wants to eliminate by the RFP. Hence, feeding a transfer switch from a switchboard breaker is unacceptable. The size of the Contractor-provided transfer switch needs to match the service entrance size. Service size will be reviewed after project is awarded to see if the installed size may potentially be reduced or not.

2. RFP Section 01158_1.4 Paragraph K specifies asphaltic pavement for streets, drives, and lanes. Paragraph L refers to Portland Cement Pavement, but does not specify a location for its use. Where is Portland cement pavement to be used?

Answer: Portland cement paving shall be used along the new Chiller Plant’s south (access drive) and east (apron) sides. Refer to drawing C114.

3. The RFP specifies HDPE pipe for the chilled water mains. The new water mains must be routed through new trenches under the existing utility tunnel, through and around existing utilities, and through several turns and elevation changes. Portions of the trenches are alongside existing buildings. HDPE connections are made with fusing equipment that is very large, and in order to fuse pipes through the maze of trenches and existing utilities, the pipes will have to be fused in the trenches. Trenches will therefore need to be wide enough to accommodate wide fusing equipment, making the trenches very wide. This could disrupt more traffic flow and campus activities, and could bring excavations very close to existing buildings. Jacketed or cathodically protected steel pipes have been successfully used in many projects, and have shown to have 50+ years long life. Connections in steel will require less room than HDPE, causing less disruption to the campus and buildings. May jacketed or cathodically protected steel pipe be substituted for HDPE for the chilled water mains?

Answer: No; provide HDPE piping as specified. Contractor shall make all necessary provisions in his bid to accommodate in-trench fusing equipment where he deems it is required. Often trench work (regardless of piping material) entails the temporary provision of sheet piling to perform piping installation work when close to existing building footings as well as to facilitate in-trench HDPE joint heat fusing apparatus. Contractor may require to permanently protect/encase transverse under-tunnel piping sections against potential tunnel settlement damage.

4. Spec section 1.11.2.1 states to fabricate new replacement piping of either hub-and-spigot DWV cast iron (service weight or heavier), or solvent-welded Schedule 80 PVC or ABS DWV piping. However Schedule 80 is not DWV as DWV is a weight class of its own. If Schedule 80 pipe is used with DWV fittings it will create a ¼” lip at every fitting. Please advise if schedule 40 DWV pipe is acceptable for replacement piping.

Answer: See Amendment 0006, Paragraph 1.11 Plumbing

5. The RFP states that stormwater management is to be designed for compliance with Energy Independence and Security Act of 2007 (EISA), Section 438 and State of Connecticut requirements. It further states to provide the treatment of the storm water discharge as required and to verify the need for U.S. Green Building Council LEED storm water quality and quantity points to secure a silver rating system for this project. The 2004 Connecticut Stormwater Quality Manual lists criteria sizing guidelines for stormwater management; however, they defer to local regulations which may be more stringent. Since the project is located on the Coast Guard Academy campus, will any local regulations be applicable to this project? Please confirm whether the guidelines provided in the 2004 Connecticut Manual will be

required, or whether the stormwater quantity and quality control required by LEED credits will be adequate.

Answer: At a minimum, adherence to the 2004 Connecticut Manual is required. Pursuit of any specific individual LEED credit and its associated requirements/costs that may be potentially more-stringent and/or costly than the RFP requirements (in this instance - the 2004 Connecticut Manual), will be as determined by the Contractor, and all associated costs shall accordingly be included in his bid.

6. At utility crossings such as those shown in detail 2 on C501, are low point drains required?

Answer: No.

7. Should isolation valves be provided at some frequency along the chilled water main runs to provide shut offs for maintenance or other unforeseen emergencies?

Answer: Supplemental section valves (intermittently placed in the underground CWS/R mains) are not required.

8. Per Q&A #21 from Amendment 1, will an amendment be issued to remove the requirement to discuss Commissioning Agent Qualifications in the presentation/written proposal?

Answer: See Amendment 0006, Paragraph 1.12.1.23

9. The RFP base bid requires elevator renovations and a new sump for the hydraulic oil. Does the elevator hydraulic oil in Chase Hall Annex B contain PCBs?

Answer: See Amendment 0006, Paragraph 1.7.2.1f

10. Is piping in Chase Hall Annex A filled currently filled with 30% glycol?

Answer: See Amendment 0006, Paragraph 1.12.1.8

11. Has the chilled water system in Chase Hall Annex A been commissioned and tested and Balanced? If not, is this required per this contract?

Answer: See Amendment 0006, Paragraph 1.12.1.19

12. What are the summer and winter design temperatures for the chiller plant space?

Answer: See Amendment 0006, Paragraph 1.12.1.3

13. Although we have contacted and spoken with the city in regard to utility connections within their easement they will not provide the cost to obtain the permit to perform the work. Instead, they have stated the cost of the permit will be dependent upon the final design. However, they would not provide rates or other information to allow us to determine the amount of the permit. In order to provide the best value to the Government please advise what rate the Contractors should include for the permit to work within the City's easement?

Answer: As of this moment in time, the City does not require a connection fee for water and sewer. The Government has no information available as to the costs for obtaining a construction permit to work within a utility easement.

14. Specification section 01158, 1.7.2.1 provides the scope of work for the renovations to the existing elevator. Item f.7 calls for a new complete hydraulic jack unit with PVC casing. Typically the casing would remain unless there is damage to it. Unfortunately there is no way to determine if the casing is damaged until after the cylinder is removed. Based on this, our interpretation of this portion of the scope of work is that the casing will stay and we will remove / replace the piston and the cylinder. If the cylinder is discovered to be damaged it will be addressed as an unforeseen condition. Please confirm this interpretation or provide other direction.

Answer: Bidders shall price this work as it is specified in the RFP documents and provide a new casing. If during the course of the actual work, it should be determined that a new PVC casing is not required, then the Government will seek a related credit from the Contractor.

15. Section 01110 of the RFP states that plastic fencing is not authorized for safety fence. What are the Coast Guard's safety fence requirements?

Answer: See Amendment 0006, Section 01110, Paragraph 1.5

16. Per code, operable windows suffice for make-up air requirements. Can the Fan Coil Unit brick vents be eliminated from the Annex B Berthing Room renovations?

Answer: No

17. Is outside air ventilation required in the Base Bid for corridors CO-2, CO-1A, and CO-1B in the Chase Hall Annex B Basement? The language of RFP Section 01158_1.12, paragraph 1.12.6 seems to imply that some ventilation may be required separately from Bid Option 2

Answer: No. Provision of outdoor ventilation air requirements for serving Basement Corridors (C01A, C01B, C01C, C01D and C02) is considered part of Bid Option 2.

18. During a site visit to the project on July 13, 2011 the Project COTR, Lou Vinciguerra, took us to the sub-basement of Hamilton Hall to show us the utility vault that crosses over to Mcallister Hall. It was observed that a steady flow of water was running from under the concrete into concrete swales leading to a drain. Part of our work scope requires us to excavate to go under the existing vault to approximately 13'6" below grade. Do you have information available on the amount of flow to be expected? We were told the vault was built over an existing stream. We need to estimate the cost of dewatering this area during the execution of the utility crossing which may also require us to process the diverted water.

Answer: See Amendment 0006; Specification Section 01158; 1.4.5