

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract Number DCFB-2008-B-0019	Page of Pages 1 of 6	
2. Amendment/Modification Number DCFB-2008-B-0019-005	3. Effective Date 5/28/2008	4. Requisition/Purchase Request No.		5. Solicitation Caption New Burn Simulator DCFEMSD Training Academy	
6. Issued By: Diane Wooden Office of Contracting and Procurement (CDBR Group) 441 4th St., N.W., Suite 700 South Washington, DC 20001		7. Administered By (If other than line 6)			
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)			(X)	9A. Amendment of Solicitation No. DCFB-2008-B-0019	
				9B. Dated (See Item 11) 4/14/2008	
				10A. Modification of Contract/Order No.	
				10B. Dated (See Item 13)	
Code	Facility				
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 <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> 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>3</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 fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT 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 letter or fax, provided each letter or telegram 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 27 DCMR, Chapter 36, Section 3601.2.					
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 checked="" type="checkbox"/> is required to sign this document and return <u>3</u> copies to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
The subject solicitation is hereby amended as follows:					
1. Attachment 1 to this amendment provides responses to questions posed after the Pre-Proposal conference held on April 28, 2008.					
Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect					
15A. Name and Title of Signer (Type or print)			16A. Name of Contracting Officer Diane Wooden		
15B. Name of Contractor		15C. Date Signed	16B. District of Columbia		16C. Date Signed
(Signature of person authorized to sign)			<i>Diane Wooden</i>		5/28/08
			(Signature of Contracting Officer)		

Attachment No. 1

New Burn Simulator for DCFEMSD Training Academy

Solicitation No.: DCFB-2008-B-0019

Question:

General Comment: This project is designed utilizing a structural concrete frame with non-load-bearing cmu infill partitions and exterior walls. The structural concrete frame adds about 25% to the cost of the building shell before linings are applied. This additional 25% is worth it because it renders all walls to be nonstructural and therefore not requiring expensive linings for protection. However, Owners will often choose to line selected walls where they anticipate that burns will be conducted most frequently. In the case of this project, the Owner was considering lining a lot of walls. So many, that it is questionable as to whether it is worth it to go with a structural concrete frame. Instead, money can be saved by going with load bearing walls carrying flat slabs. The burn rooms would then generally have all the walls protected. For this reason, DC decided that they would bid the project as follows:

Base bid does not include linings.

Alternate 1 would be for a certain amount of ceiling linings.

Alternate 2 would be for additional ceilings.

Alternate 3 would be for a quantity of wall linings.

A unit price would be quoted for additional wall linings.

We recommend that the bid form be revised to accommodate this type of information to be submitted on bid day to allow the Owner to determine the extent of the linings to be included in the structure in light of the bids received vs. the budget.

Answer:

A number of structural systems were analyzed early in the conceptual design phase. After much discussion by DCFEMS and the Design Team it was determined that the reinforced structural frame would provide the most optimum and long term solution for the project. The comment above recognizes that value. The structural frame will not be redesigned.

With regard to the extent of the special linings and in the interest of allowing the DCFEMS to evaluate the costs a number of ways, the direction in the documents was to provide a level of protection as follows:

Base Scheme Burn Rooms 001, 002, 101, 102, 200, 201 with protection on walls and ceilings as shown on Dwg A1.0 and A1.1.

Alternate 1: A reduction in wall and ceiling tile protection in Burn Rooms 102 and 201 as reflected on Dwg. A1.2.

Alternate 2: Additional ceiling protection in Burn Room 003 as shown on Dwg. A1.2.

Since the Bid Form did not allow for the breakdown of costs for the alternates and in response to a question at the pre-bid conference the direction was given to bid on Alternate #2. Alternate #2 represents the extent of the wall and ceiling linings shown in the base scheme plus the additional protection indicated above for Burn Room 003.

Question 1: A-7.4 Door Schedule and detail 1 There are no details for the "2x wood member doors". The wood slat doors should include details for a channel frame, reinforced with diagonal angles, to receive 2x6s stacked dropped into the channels. The door leaf should include a latching device as well. None of these details are addressed.

Answer: Please be advised that the information and detailing is provided on Dwg. A7.5 for all windows and doors including the latching devices.

Question 2: A-1.0 Note 5
Please indicate where thermocouples are to be located. Typically, larger burn rooms have more than one thermocouple location on the ceiling, and may have numerous wall thermocouples. Also, please note that a dedicated conduit for each set of thermocouples should run from the junction box to the panel in the storage room. This entails a significant amount of work that should be shown on an electrical drawing. The conduits should be embedded in the structural concrete. The conduit should be located above the bottom mat of steel in the suspended slabs.

Answer: Provide two ceiling thermocouples and one thermocouple at each lined wall in the burn rooms as per the details #1 and #2 on Dwg. A7.0 as per note 5. Direction has been given to run the rigid conduits from each location to a panel and monitoring device in the storage room. The details referenced above do indicate that the rigid conduit is embedded in the concrete. Conduits shall not be surface mounted. The final locations of thermocouples shall be approved by DCFEMS. A conduit plan will not be provided, however your suggestion relative to the placement of the conduit above the bottom mat will be accepted and coordinated with the concrete and reinforcement placement.

Question 3: A-1.0 Note 5
Please locate the electrical enclosure to receive the temperature monitoring recorder in the storage room.

Answer: **Provide waterproof electrical enclosure and panel at column line B.3**

Question 4: A-1.0 Note 5
Please provide a specification for the temperature monitoring system.

Answer: **Please refer to Division 7 Section 07230 High Temperature Protective Lining System. The system shall provide real time data of all temperature monitoring devices within each burn room . The system should be capable of interfacing with DCFEMS PC software. The system shall be capable of storing and transferring data. Features shall include a touch sensitive display and controls, advanced data logging capabilities and control for internal and external alarms.**

Question 5: A-1.0 Note 5
Please specify that two 20 amp circuits be provided in the electrical enclosure.

Answer: **Provide 2 - 20 amp circuits to energize the monitoring system to be located adjacent to the recorder referenced above.**

Question 6: A-1.0 Note 5
Please provide an electrical drawing showing the aforementioned conduit for the thermocouples, circuits for the temperature monitoring system, convenience outlets, lighting for storage room, electrical panel, panel schedule and the source for the secondary feed to a power panel in the burn building.

Answer: **Circuits for the monitoring system and and three exterior convenience outlets are to terminate at the ground floor level of the Dial House at existing panel E-1, adjacent to the Burn Building. Provide 2 two by four fluorescent light fixtures in the storage room.**

Question 6: A-7.4 Detail 2
Please indicate when refractory lintels are required. Openings in non-burn areas should not require refractory lintels. Also, lintels that are covered with linings in burn areas do not need to be refractory lintels.

Answer: Provide refractory lintels as detailed in the following locations:
Basement Burn Rm 003 – Windows 002 and 003 – Door 003, 004/005 and stairwell door 104. First Floor Burn Rms 101/102 – Doors 101, 102 and 103 Second Floor Burn Rms 200/201 – Doors 200, 201 and 202

Question 7: A-1.0 Note 2
The jambs of doors and windows that are in walls to be protected with System 203 should be constructed per 1/A-7.4. Therefore, the linings shall extend 12" to either side of the opening and shall extend a min of 36" above the opening. The concrete soffit that connects to this area, if any, should also be lined. If the soffit is lined, the face of the slab shall also be lined. See section 1/A-7.3 for example. Also, see exterior elevations which appear to correctly indicate the linings around the doors.

Answer: To clarify the details referenced and the extent of the protection shown on plan and elevation the linings shall be wrapped around the opening to the exterior 12" min beyond the jambs and 36" min above the openings. Soffit protection is shown on plan views.

Question 8: A-4.2 Plan 1
This partial floor plan shows exterior wall linings extending up the stairs. We do not feel those linings are necessary and suggest that they be eliminated.

Answer: At the specific request of the DCFEMS the stairwell including the walls as shown and ceiling from the basement level to the first floor (door 104) are to be lined.

Question 9: 4 / A-2.0 Detail 4
Note that wall expansion joints are not needed in walls that are protected. For instance, Burn Room 002, there are 6 expansion joints that can be deleted.

Wall expansion joints

We recommend that expansion joints be shown at all building corners, unless the walls are lined on the interior. Angles bracing the top of the walls, located on the exterior of the structure, should not cross those joints. We have attached a couple of typical details for your use.

Answer: Delete the expansion joints in the following burn rooms:
Burn Rooms 002, 101, 102, 200 and 201.

All others remain as documented. Refer to construction documents for typical expansion joint details.

Question 10:

1/ A-7.3 Joint

See the attached partial copy of this wall section, recommending that insulation be deleted between the exterior wall and the beam. Also recommending that the top course of the wall be 10" cmu to brace the wall tight against the beam for lateral bracing. We recommend that a 10" cmu be used at the top of all walls with similar conditions (see wall section 2/A7.3 for example).

Answer:

We will accept the recommendation and place a 10"CMU at the top course of the walls shown on the details referenced.

Question 11:

S-1.1 2nd floor

Framing plan The 9" suspended slab has a dead load of 55 psf (tile on soffit and firebrick on top) plus the load of the walls, plus the live load, spanning 26', with a big hole in it for the stairs right along the spandrel beam, with no beam to pick up that slab. The slab edge also picks up the load of a cmu wall on the roof and the roof slab has two more large penetrations in that bay. There is a beam in the roof slab that is scheduled to be 16 x 12, but it is in a slab scheduled to be 9" at its bearing. Please confirm.

Answer:

Provisions have been made in the construction documents for additional reinforcement to be placed at all openings and slab edges. Loading is not an issue. The roof slab tapers from a low point of 9" to a high point of 15". Reference details 10-13 on Dwg. S.3.1 for details and connections.