



Solicitation Solicitation Amendment

1. Amendment Number A03 to Solicitation Number 512582-07-A-0004		Date 06/29/2007		
2a. Facility NORTH READING, MA - P & DC		2b. Project Q65113 FSS Bldg Expansion Design Build Competitive GMP		
3a. Offeror Name and Address		3b. Issued By 4301 Wilson Blvd Arlington, VA 22203-1861		
		3c. Contact WILLARD B POWELL 703-526-2764		
4. The above numbered solicitation is amended as set forth in Block 5. Note: Offerors must acknowledge receipt of this amendment prior to the date and time specified in the solicitation by one of the following methods: a. By signing and returning one copy of the amendment; b. By acknowledging receipt of this amendment on each copy of the offer submitted; or c. By submitting a separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE SPECIFIED IN THE SOLICITATION PRIOR TO THE DATE AND TIME SPECIFIED FOR RECEIPT OF OFFERS 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 such telegram or letter makes reference to the solicitation and amendment numbers, and is received prior to the date and time specified. The date and time specified for receipt of offers is: 07/10/2007 03:00 PM EST				
5. Description of Amendment: insert deviation schedule - attachment 22 insert deviation 4 - denied - attachment 22 insert deviation deviation 5A - approved attachment 22 replace spec reference 01110 Attachment B - Page 2				
6. Contractor Signature		Date Signed	U. S. Postal Service Signature	Date Signed
Name of person authorized to sign		Contracting Officer Albert J Novack		

Middlesex Essex, MA - P & DC

APPENDIX A

DEVIATION ATTACHMENTS

DEVIATION #1: Delete Security Control & Fencing at Parking Lot Entrances - A

DEVIATION # 2: Parking Lot Lighting - A

DEVIATION #3: Truck Maneuvering Area Depth Modification - AN

DEVIATION #4: Outdoor Air Ventilation Rate - D

DEVIATION #5: Usage of Invensys Building Management System – D

DEVIATION #5A: Invensys compatible system - A

DEVIATION #6: Use of 150 psi Compressed Air System - NR

DEVIATION #7: Reduce Structural Clearance Ht to 18ft-6inc in Workroom - A

DEVIATION #8: Elimination of Security CCTV System - A

DEVIATION #9: Provide a ACS at Man Door within FSS Dock Area - A

DEVIATION #10: Pre-Engineer Building - A

DEVIATION #11: Electrical Room - A

DEVIATION #12: Water Closet, floor versus wall mounted - A

A = Approved

D = Denied

AN = Approved as Noted

NR = Not Required

April 4, 2007

Received 4-19-07 JLB

REQUEST FOR DESIGN DEVIATION #4

JENNIFER BEIRO-RÉVEILLÉ
TEAM LEADER, HQ DESIGN & CONSTRUCTION PROGRAMS

PROJECT NAME: Middlesex-Essex P & DC Expansion (FSS Deployment)
FMS PROJECT NUMBER: Q65113

PROJECT MANAGER: Matt Kalandranis

DEVIATION FROM:
(Check all that apply)

- Master Specification
- Medium Standard Building Designs
- Modular Building Program
- Major Facilities Prototypes
- Other: APPS Standard
- Module 4F Exterior Signage
- Small Standard Building Designs
- Standard Design Criteria
- Standard Detail Library

BACKGROUND:

The current APPS Standard require space ventilation requirements to adhere to ASHRAE Standard 62-2004. The ASHRAE 62 Standard calls for 0.06 cfm/sq. ft., with mention that certain facilities may require greater ventilation rates due to materials and functions. With the large space requirements and high volume package handling of the FSS equipment, we feel the ventilation rate set by ASHRAE Standard 62 is inadequate.

JUSTIFICATION:

To improve airborne particulate ratio caused by FSS equipment operation and the low occupancy in these areas, it is the professional judgment of URS that the capability of supporting a minimum outdoor air quantity of 10% shall be implemented. The yearly energy cost increase is negligible given that economizer operation will occur for a significant period of time.

SUMMARY:

It is URS's professional opinion that the minimum outdoor air ventilation rate set by ASHRAE Standard 62-2004 is inadequate for the FSS space usage. URS recommends that the outdoor air minimum should be set at 10% of the total design airflow or at 0.1 CFM/sq. ft.

Garry M Sparks
Manager, Design & Construction
Major Facilities

Insufficient justification. No cost impact.

Approval Signatures:

- Approved
- Approved as Noted
- Denied

Jennifer Beiro-Réveillé, Team Leader, HQ D&C Programs

Date

Comments:

There have been several FSS expansions submitted for design review including ones designed by URS.

Explain why this has not been requested on other URS expansions.

Include photocopies of the referenced ASHRAE Standard. James Burke, FAZA 4.26.07 P. Beiro

04/20/07

March 5, 2007

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REQUEST FOR DESIGN DEVIATION #4 (Revised)

JENNIFER BEIRO-RÉVEILLÉ
TEAM LEADER, HQ DESIGN & CONSTRUCTION PROGRAMS

PROJECT NAME: Middlesex-Essex P & DC Expansion (FSS Deployment)
FMS PROJECT NUMBER: Q65113

PROJECT MANAGER: Matt Kalandranis

DEVIATION FROM:
(Check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Master Specification | <input type="checkbox"/> Module 4F Exterior Signage |
| <input type="checkbox"/> Medium Standard Building Designs | <input type="checkbox"/> Small Standard Building Designs |
| <input type="checkbox"/> Modular Building Program | <input type="checkbox"/> Standard Design Criteria |
| <input type="checkbox"/> Major Facilities Prototypes | <input type="checkbox"/> Standard Detail Library |
| <input checked="" type="checkbox"/> Other: <u>MPFDC Standards, dated April 2, 2007</u> | |

BACKGROUND: The existing Energy Management Control System (EMCS) at the Middlesex Essex P&DC was recently upgraded to an Invensys based system. The current MPFDC standards call for BACnet controls at all levels without the use of communication gateways. The existing EMCS does not comply with the current MPFDC Standards.

JUSTIFICATION: Based on limitations set forth in the MPFDC Criteria the following control system options are available. An estimated cost associated with each option has also been listed for reference.

- 1 • Replace existing EMCS with full BACnet system serving the existing P&DC and the FSS expansion with BACnet compatible equipment (RTU's, etc.) in the FSS Expansion. Estimated cost of \$175,000
- 2 • Partial integration of BACnet compatible equipment for FSS expansion with existing Invensys based EMCS currently in use for the P&DC operations. Estimated cost of \$95,000. To integrate a partial BACnet based system with the existing Invensys (Lon based), additional costs would be incurred due to programming duplication and additional communication hardware between the two systems. The BACnet based system would be web accessible, thereby requiring two separate maintenance agreements (one for each system) in addition to the cost of the required web server.
- 3 * • Use of Invensys compatible equipment for FSS expansion with integration into existing Invensys based EMCS. Estimated cost of \$50,000

Based on the above listed costs, URS proposes the use of Invensys compatible equipment (RTU's, etc.) providing LonTalk communication with the existing EMCS. Given the EMCS serving the existing facility has been recently updated it is more cost effective to expand the current system than to replace the existing system.

SUMMARY:

The recommended solution to utilize the recently updated EMCS, provides an up-to-date single source responsibility in a cost effective manner. This would save an estimated \$45,000 attributed towards the HVAC Controls.

Garry M. Sparks

Garry M Sparks
Manager, Design & Construction
Major Facilities

Approval Signatures:



Approved

Approved as Noted

Denied

Jennifer Beiro-Réveillé
Jennifer Beiro-Réveillé, Team Leader, HQ D&C Programs

06-04-07
Date

Follow up with notes 1-3 below.

Comments:

Jim Brinkler and Garry Sparks met with S. Mohan & UPS on 5-24-07. The EMCS in this project was one of the items discussed. Please see item 4 of S. Mohan's 5-25-07 email. It is felt that this deviation is congruous to the discussion.

The April 4 deviation states that an existing Energy Management and Control System (EMCS) was upgraded this year to a non-BACnet system. This is non-compliant with UPS Standards.

Please see options in Deviation EA:

- (1) Replacing the existing building EMCS is not recommended. This would require gateways at small parts of the existing building HVAC system and lead to performance and maintenance problems. Also gateways are not allowed.*
- (2) Keeping the EMCS in the existing building and installing a BACnet compliant system in the expansion would require at least one gateway between the two. This would result in likely performance and maintenance problems. In addition, this would not meet Postal Standards.*

(3) Installing the same system in the expansion will result in a significantly simpler design and one with fewer operational and maintenance problems.

This option is recommended.

James L. Binkley, FAIA
6-7-07

J. Binkley
6-7-07

storage and installation of United States Postal Service Direct Vendor equipment or supplies. Ordering instructions are included in each specification section.

- B. The Contractor will off-load, inspect the delivered equipment or supplies to make sure they are in good condition, acknowledge receipt, and accept the delivered goods.
- C. Direct Vendor items in this contract are limited to specific items, as shown in the drawings and listed below:
 1. Section 08361 - Sectional Knockout Doors
 2. Section 10437 - Interior Signage
 3. Section 13705 - Security, Criminal Investigative, Burglary and Robbery Countermeasures CCTV System

1.5 Miscellaneous Equipment Cross-reference List

~~A. The following table is a cross-reference for equipment that may be shown in the drawings. The Contractor is solely responsible for ordering, payment, receiving, accepting, storage and installation of the equipment or supplies as specified in each specification section.~~

Equipment Number	Description	Specification Section
E406	Pedestrian Guidance Barrier	10450
E511	Fire Extinguisher	10520
E512	Office ladder	12412

B. The following table is a cross-reference of items that are USPS furnished and installed, but require contractor actions as listed.

Equipment Number	Description	Contractor Action
E131	Scale	Contractor to insure that there is access to the electrical receptacle below the counter.
E501	First Aid Kit	Contractor to coordinate location of required signage.

END OF SECTION