

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			OP-ES	1	11
2. AMENDMENT/MOD NO. 3	3. EFFECTIVE DATE 9/17/09	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO 98600	
NASA Procurement Office, OP-ES John F. Kennedy Space Center Kennedy Space Center, FL 32899		CODE OP-ES	7. ADMINISTERED BY Same as Block 6		CODE OP-ES
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code)			(9)	9A. AMENDMENT OF SOLICITATION NO NNK09289054R	
			<input checked="" type="checkbox"/>	9B. DATED (SEE ITEM 11) 7/20/09	
			(10)	10A. MOD. OF CONTRACT/ORDER No	
CODE		FACILITY CODE	<input type="checkbox"/>	10B. DATED (SEE ITEM 13)	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is 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:					
<p>(a) By completing Items 8 and 15, and returning one (1) copy of the amendment;</p> <p>(b) By acknowledging receipt of this amendment on each copy of the offer submitted; or</p> <p>(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.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (if required)					
<i>Financial Management</i>					
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 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).				
<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)				
IMPORTANT: Contractor (is or is not) 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.)					
Construction of Platforms in High Bay 3 of the Vehicle Assembly Building					
See page 2 for continuation of Block 14.					
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		
15B. CONTRACTOR/OFFEROR			16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature Of Contracting Officer)		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		30-105		STANDARD FORM 30 (REV. 10-83) ES Prescribed by GSA FPMR (48 CFR) 53.243	

SF 30 Continuation Page

The purpose of this amendment is to extend the date for receipt of proposals, update Davis-Bacon Wage Determination, amend solicitation Clause, answer Questions, amend specification 10C00005, and amends drawings 10C00007 and 10C00003.

Section 1 Extend Date for Receipt of Proposals

REFERENCE: Cover Letter and SF1442, Block 13.

Receipt of Proposals is hereby extended from 15 October, 2009 to 17 November, 2009 3:30 P.M. EST.

Section 2 Davis-Bacon Wage Determination

REFERENCE: RFP, SECTION J.1.H, DOL AREA WAGE DETERMINATION FL070017

General Decision Number: FL20080017 07/10/2009 has been superseded by General Decision Number: General Decision Number: FL080017 09/04/2009 FL17 and is hereby incorporated into this Solicitation.

Please use the following link to download and incorporate the most current DOL wage determination.

<http://www.wdol.gov/wdol/scafiles/davisbacon/FL17.dvb>

Section 3 Question and Answers

- I. REFERENCE: Attachment J.1.A – KSC Construction Deliverable Documentation Incidental to Contract Administration.

QUESTION: Part J.1.C.18.1.b of Attachment J.1.A requires Contractor personnel to qualify and obtain access to the VAB.

What is the length of time required, per person, to apply for and obtain access to the VAB?

ANSWER: *The time required to obtain approval for access to restricted access areas varies depending on many factors. RFP section H.7 containing KSC 52.204-96, provides a very detailed listing of the security process and document requirements, which must be successfully executed, prior to anyone gaining access*

to KSC. Full and accurate information provided on the appropriate forms is necessary to prevent rejection of requests. Approval of To Be Escorted access can be approved in 24 hours. Interim approval of Unescorted access will require two to three weeks after submittal of satisfactory paperwork.

2. REFERENCE: Attachment J.1.A – KSC Construction Deliverable Documentation Incidental to Contract Administration.

QUESTION: Part J.1.C.18.1.b of Attachment J.1.A requires Contractor personnel to qualify and obtain access to the VAB. Is there a limit on the number of personnel for whom a Contractor may request unescorted access to the VAB?

ANSWER: The number of personnel for whom a Contractor may request unescorted access is limited but undefined. The Government will attempt to provide unescorted access to as many of the Contractor's personnel as necessary to effectively perform the work. Those personnel for whom unescorted access will be provided must have duties requiring regular, daily access to the controlled area. However the Government's resources for the administration and investigation required are not unlimited and the requests of this contract must be balanced with other needs at Kennedy Space Center. The designated number of employees for whom interim unescorted access investigations will be performed at no cost to the contractor is six (6).

3. REFERENCE: Attachment J.1.A – KSC Construction Deliverable Documentation Incidental to Contract Administration.

QUESTION: Part J.1.C.18.2.a of Attachment J.1.A states "the escort's only duty shall be to monitor and control the entry and exit activities of all the construction personnel they are assigned to escort." Per part J.1.C.18.1.b of Attachment J.1.A, all Contractor personnel planning to work in the VAB must qualify and obtain access. If all these personnel must obtain access, who will the escorts be escorting?

ANSWER: The escorts will be escorting the Contractor's personnel who do not obtain unescorted access. Only some of the Contractor's personnel may be eligible and only some will be approved for Unescorted access. The personnel with unescorted access will be responsible for escorting those individuals that do not obtain unescorted access and ensuring that the personnel they are escorting act in accordance with the safety and security requirements of the controlled area.

4. REFERENCE: Drawing No. M-101

QUESTION A: This drawing shows a breathing air line and a gaseous oxygen line on it. There is no specification on either one of these. Please advise.

ANSWER: *The gaseous oxygen line shall meet requirements of high pressure gas specification Division 22 15 13.16 40. For Breathing Air system tubing refer to specification section 22 60 70. This specification section has been added to the Revision A of the specification.*

QUESTION B: **The two lines go to a point that connects to the mobile launcher with a flexible connector. Is there any detail of this or can you indicate what is required at the point that connects to the flex?**

ANSWER: *Terminate the Breathing air line with an isolation valve and cap. Terminate the gaseous oxygen line with an isolation valve and plug. See revision A of the drawing.*

5. REFERENCE: Drawing No. M-105 and various drawings

QUESTION: **Drawing No. M-105; there are two compressed air risers that are supported by the guardrail as shown on the detail "typical purge tent connection elevation". Can you indicate what components are at that point? Valve, quick disconnect, etc?**

ANSWER: *The compressed air lines terminate with a quick disconnect only. See Sheet M-002, Detail AA and Specific Note C. Also see M-302 and Specific Note H. See revision A of the drawing.*

6. REFERENCE: Drawing M-001, tubing note 1; Drawing M-501, detail of typical tube assembly, note 1; Drawing M-503, note G; M-505, parts list on regulation panel.

QUESTION: **On the first three drawings above, it states the stainless steel tubing and KC fittings are GFE. This conflicts with some of the exceptions on the parts list on drawing M-505. Please confirm all SS tubing and KC fittings for entire job is GFE.**

ANSWER: *Yes, all stainless steel tubing and KC fittings for job are GFE. See revision A of the drawing.*

7. REFERENCE: Division 23 Specifications, Drawing No. M-601

QUESTION: **In the above reference, in the specs there is no hydronic piping section indicating what material the chillwater pipe is to be made of. Is it carbon steel, schedule 40, welded, 2-1/2" and up and carbon steel, schedule 40, threaded on 2" and under?**

ANSWER: *Specification Section 23 05 00.00 40, parts 2.1.1 and 2.1.4.1 are applicable for chilled water piping. Chilled water piping 2-1/2" and over shall be black carbon steel. Chilled water piping 2" and under shall be copper. All black carbon steel piping shall be welded. See revision A of the specification and addenda in this amendment.*

8. REFERENCE: Drawing No. M-601

QUESTION: *In a couple of places, the new chillwater pipe is to tie into existing piping. Will wet taps be required for these tie-ins or will the tie-in be done under an outage? Or can tie-in points be valved off in such a way that neither would be necessary?*

ANSWER: *Yes, wet taps will be required where existing valve tie-ins are not present. Existing taps are to be utilized where possible. Wet taps are permissible as well as outages but must be coordinated with the Contracting Officer per specifications. Yes, isolation valves for systems are available such that neither may be necessary however the size of the system is large and may require extensive draining, disposal of the waste water and refill.*

9. REFERENCE: Division 41

QUESTION: *Does the A/E of Record have a recommended supplier/manufacture for the control systems and backup systems (Division 41) for the mechanisms for the sliding platforms and crossovers?*

ANSWER: *Basis of design is provided in the drawing 10C00003, see sheets S-510, and S-421. The sliding platform manual retraction concept shown on sheet S-441 is intended to provide the back-up if the basis of design manufacturer is used. The crossover platform backup is provided by the hand wheel on the actuator if the basis of design manufacturer is used. The contractor can provide "or equals" in compliance with the contract documents. Note that it is the Contractor's responsibility if he provides an "or equal" to provide and coordinate the necessary mechanical, electrical, structural, and system variations in accordance with specification section 01 33 00.*

10. REFERENCE: Drawing S-106 (10C00003), Specific Note K

QUESTION: *Please confirm that mobile launcher rigid stay connections are not part of this RFP?*

ANSWER: *Confirmed; the mobile launcher rigid stay connections are not part of this RFP. This note is removed from revision A of the drawings.*

11. REFERENCE: Drawing S-209 (10C00003)

QUESTION: Please confirm that work located inside the various space claims is not part of the RFP?

ANSWER: *Confirmed; the space claims shown on Sheet S-209 are for reference only.*

12. REFERENCE: Section H.8 – KSC On-Site Facilities and Services

QUESTION: There is no reference to telecommunications (voice and data) utility services. Please provide further information as to how the Contractor will connect to and use telecommunications for their construction trailers. Can the Contractor choose any local telecom provider or does NASA have a designated telecom utility provider? If Contractor must go through NASA for these telecom services, what are the charges?

ANSWER: *Data network services are not provided and the Contractor will not be permitted to use KSC data networks. Other contractors have set up satellite services as a means to access data network services.*

The phone services are available with ATT by contacting:

***Steve Quigg
AT&T Southeast
Manager Network Services-(Special Services)
321-636-0292 office
321-480-5435 cell
sq5775@att.com***

All installation and billing must be coordinated through ATT.

13. REFERENCE: Specification 26.08.00 – Apparatus Electromagnetic Radiation Testing

QUESTION: Does the A/E of Record or NASA have a recommended testing organization that can perform the electromagnetic radiation testing required by the referenced specification?

ANSWER: *No, the Government does not have a recommended testing organization. Reference website: <http://www.globalspec.com/local/4213/FL> for potential testing firms.*

14. REFERENCE: Specification 41.22.20 – Mechanisms for the Sliding Platforms

QUESTION: The referenced specification (part 2.3) requires a manual back-up system for operating the sliding platforms. However, the referenced specification does not appear to require a 100% redundant automated control system for operating the sliding platforms. Please confirm that a 100% redundancy is or is not required for these control systems.

ANSWER: *Redundancy of control systems is not required. Manual means of extending and retracting the platforms as indicated in section 41 22 20 part 2.3 and on Sheet S-441 is required.*

15. REFERENCE: Specification 41.22.25 – Mechanisms for Crossovers

QUESTION: The referenced specification (part 2.3) requires a manual back-up system for operating the crossovers. However, the referenced specification does not appear to require a 100% redundant automated control system for operating the crossovers. Please confirm that a 100% redundancy is or is not required for these control systems.

ANSWER: *Redundancy of control systems is not required. A manual means of operating (raising and lowering) the crossovers as indicated on Sheet S-421, Actuator Design Criteria, note 9, is required.*

16. REFERENCE: Drawing E-217 (10C00003) and drawing S-112 (10C00003)

QUESTION: The referenced drawings require lightning protection work. However, there is no specification for lightning protection provided as part of the RFP. Please confirm that lightning protection work is a part of this RFP. If lightning protection work is required, please provide a specification.

ANSWER: *Lightning protection work is required as part of this project as shown on the referenced sheets. Work shall conform to NFPA Standard 780 and UL. Specification section 26 41 00.00 40 is added in revision A of the specification.*

17. REFERENCE: Specification 26.27.26.00.40, part 3.1 (10C00005 and 10C00008)

QUESTION: The referenced specification requires expansion fittings with flexible ground strap be provided in conduit runs crossing building expansion joints. Please indicate if there are any building expansion joints in the area of work and if so, the locations.

ANSWER: *The only building expansion joint is between columns 17 and 18 which provides separation between the high bays and low bays. See Drawing 10C00003 Sheet E-217 for area of work. Since there are only sleeves being added through the high bay wall, no expansion fittings are required.*

18. **REFERENCE:** Specification 26.27.26.00.40, part 2.2.4; Drawing E-601, Note A

QUESTION: Please confirm if the “Type G” cable referenced on drawing E-601, Note A is to meet the Standard Flexible Cable requirements of the referenced specification, part 2.2.4. If not, please indicate the cable requirements.

ANSWER: *Confirmed; Type G cable meets the flexibility requirements referenced in the specifications. The cable is not listed as meeting the flame test requirements of UL 1581 but does meet similar tests by CSA. Use Type G where indicated on drawings.*

19. **REFERENCE:** Drawings E-603 and E-605

QUESTION: Please indicate the location by column line of the KITS Enclosures on the Platform levels.

ANSWER: *The referenced drawings are schematic riser diagrams and are not used to provide detailed locations. See Power and System Plans for specific location of KITS Enclosures.*

20. **REFERENCE:** Drawing E-502

QUESTION: Are all panelboards and transformers to be grounded per the detail shown on drawing E-502? Please confirm that the intent is to use rigid steel conduit bonded on each end for the ground system raceway.

ANSWER: *Yes, all panelboards and transformers are to be grounded per the detail shown on drawing E-502. Yes, use rigid steel conduit bonded on each end for the ground system raceway.*

21. **REFERENCE:** Drawing E-200 Note D; Drawing E-602

QUESTION: The disconnect switch and receptacle referenced in note D on drawing E-200 show being fed from 1FPB-CB. The E-602 One-Line for panel 1FPB does not show this disconnect switch/receptacle. Please indicate where it is to be fed from and the feeder size.

ANSWER: *On drawing E-602, the 125A circuit breaker being fed from 1FPB is shown feeding GCS REC. That is the same receptacle indicated in note D on*

drawing E-200 and the circuit feeds through the disconnect indicated on E-200. Feeder size is indicated on E-602 at this same location.

22. **REFERENCE:** Drwg. S-505 Egress 10C00007

QUESTION: Detail DB on Drawing S-505 is showing bracing gusset plates on the top and bottom flanges of the beam. The gusset on the top flange is shown as being shop welded and the gusset on the bottom flange is shown as bolted. All other details on this drawing are showing the gussets as being bolted. Is the gusset on the top flange of the beam to be shop welded or bolted?

ANSWER: *No. The top gusset is not connected to the beam. The top gusset plate in detail DB connects the bracing to the column only.*

23. **REFERENCE:** Drawings S-401 and S-503 Platforms 10C00003

QUESTION: Based on the sliding platform typical moment connection details on Drwg. S-503 and general notes on Drwgs S-401 & S-402, all wide flange to wide flange connections are to be a web bolted w/ flanges full-pen welded. Some of these connections will be done in the shop and in these instances, can the bolts and shear tabs/stiffeners be eliminated and the webs welded directly together OR the web portion welded to a stiffener plate and just omit the bolts? (The field connections would remain as shown in the details).

ANSWER: *No, bolt the webs as indicated on the details.*

24. **REFERENCE:** Specification 01.33.00 - Submittal Procedures (10C00005 and 10C00008)

QUESTION: Part 1.4.3 of referenced specification states the Contracting Officer has 20 working days (30 working days for fire protection submittals) to review submittals. If submittals are not returned to the Contractor within the 20 or 30 working day period, can the Contractor assume the submittal is Approved as Submitted and proceed with the work?

ANSWER: *No, submittals cannot be assumed to be approved. Any related work performed in advance of submittal approval is done at the risk of the Contractor.*

25. **REFERENCE:** Specification 01.33.00 - Submittal Procedures (10C00005 and 10C00008)

QUESTION: Part 1.8.1 of referenced specification states the Designer of Record (BRPH) is required to approve submittals for extensions of design. As this is a Design-Bid-Build project and the design has been provided as part of the RFP, please confirm that the Designer of Record (BRPH) is not required to approve

any submittals from the Contractor prior to these submittals being sent to the Contracting Officer for review and approval.

ANSWER: The Designer of Record (BRPH) is not required to approve any of the Contractor's submittals prior to them being sent to the Contracting Officer for review and approval. Where the Contractor is required to provide a Delegated Engineer (who is required to provide signed and sealed drawings/plans, such as is the case of the fire suppression systems design) the Contractor shall obtain approval of the Delegated Engineer before providing the submittals, or any changes or extensions of the submittals, to the Contracting Officer.

26. **REFERENCE:** Environmental drawings (10C00003 and 10C00007)

QUESTION: The referenced drawings indicate that significant areas require abatement (asbestos, PCB's, etc.) is required. As the RFP documents do not appear to indicate who will be performing abatement (i.e., abatement by others or by the Contractor), who is responsible for performing any and all abatement, to include large area abatement, spot abatement, electrical abatement and mechanical abatement.

ANSWER: The Contractor is responsible for performing any and all abatement required in the performance of this work. It is anticipated that localized abatement techniques will be used in most, if not all, areas of construction. See Division 2 specifications for requirements.

Section 4 Amend RFP, Specification 10C00005, and Drawings 10C00003 and 10C00007

1. **REFERENCE:** RFP, Page 7, Section C.2, CONTRACT DRAWINGS, MAPS AND SPECIFICATIONS, Paragraph (b), Addenda to Specifications and Drawings

Drawings 10C00003 and 10C00007 are revised. The revisions primarily relate to the adjustment of the elevations of several of the platforms and a significant change to the configuration of Platform E. Various other changes and corrections are also made. See the revised drawings for details.

Specification 10C00005:

Revised sections: 01 33 00, 01 78 23, 08 70 00.00 98, 14 21 13, 22 15 13.16 40, 23 05 00.00 40, 26 00 00.00 20, 26 08 00, 26 27 26.00 40

Added sections: 22 60 70, 26 41 00.00 40

Drawing 10C000003:

Revised Sheets: 1-3, 8, 10-15, 16-19, 21-22, 24-31, 32-37, 40-42, 43, 46, 49-52, 56-58, 65-71, 72-75, 78, 79-80, 82-90, 110-124, 125, 127-132, 136-145, 148, 150-153, 156-160, 162-168, 169-170, 173, 178-179, 183, 187-189, 192-197, 204-205, 208, 210-212, 214-215, 217-224, 232-238, 239-242, 245-255, 256-259, 261-262, 266-267, 270, 272, 276, 281, 286, 288, 290, 295, 297-299, 301, 303-308, 310-311, 313

Sheets added: 15A, 31A, 42A, 71A, 78A, 124A-124H, 124J-124N, 124P, 124R, 124S, 126A-126F, 168A-168H, 168J-168N, 168P, 168R-168U, 173A-173D, 177A, 189A, 216A, 238A, 255A

Drawing 10C00007:

Revised sheets: V-001 through V-003, ENV-103, A-001, AD-101 through AD-103, AD-105, A-100 through A-111, A-201, A-202, A-301, A-401, A-402, A501 through A-503, S-101 through S-105, S-107 through S-111, S-302 through S-304, S-502, E-001, E-101 through E-111, E-401, FA-101, FA-103, FA-104, FA-401

Added sheets: S-502A

Removed sheets: none

Specification Section 23 05 00.00 40, part 2.1.1; at the beginning of the first paragraph add the following: "Chilled water piping of sizes 2-1/2" and greater shall be black carbon steel piping."

Specification Section 23 05 00.00 40, part 2.1.4.1; at the beginning of the first paragraph add the following: "Chilled water piping of sizes 2" and smaller shall be copper tubing."