

2. AMENDMENT/MODIFICATION NO. 02  
 3. EFFECTIVE DATE  
 4. REQUISITION/PURCHASE REQ. NO.  
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE JSC NASA/Johnson Space Center  
 Attn: BJ3/ Jon Prihoda  
 2101 NASA Parkway  
 Houston TX 77058-3696  
 7. ADMINISTERED BY (If other than Item 6) CODE JSC  
 NASA/Johnson Space Center  
 Attn: BJ3/Jon Prihoda  
 2101 NASA Parkway  
 Houston TX 77058-3696

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
 (x) 9A. AMENDMENT OF SOLICITATION NO. NNJ10312823E  
 9B. DATED (SEE ITEM 11) 03/10/2010  
 10A. MODIFICATION OF CONTRACT/ORDER NO.  
 10B. DATED (SEE ITEM 13)  
 CODE FACILITY CODE

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,  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 1 copies 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 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 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE  
 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 FAR 43.103(b).  
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  
 D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is 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.)

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 (Type or print) Mike Lonchambon  
 15B. CONTRACTOR/OFFEROR  
 15C. DATE SIGNED  
 16B. UNITED STATES OF AMERICA  
 16C. DATE SIGNED 4/26/10  
 (Signature of person authorized to sign) (Signature of Contracting Officer)

The purpose of Amendment 02 is to:

1. Revise Section I.14 Allowance for Delays.
2. Provide answers to the questions submitted by prospective contractors.
3. The date for the bid opening is changed from April 30<sup>th</sup>, 2010 at 2 pm to May 3rd, 2010 at 2 pm in Block 10 of SF 1449 of the Invitation for bid.
4. Incorporate the following specifications into the bid package (Specifications are part of the Tunnels Amendment #2 Specs/Drawings Package. See Section L.18 Availability of Specs and Drawings of the solicitation for purchase and planning room locations):

09 30 00	Ceramic Tile, Quarry Tile, and Paver Tile
04 20 00	Masonry
02 84 33	Removal and Disposal of Polychlorinated Biphenyls

I. **I.14 ALLOWANCE FOR DELAYS**

(a) Work at the Johnson Space Center is subject to frequent and extended delays due to shuttle launches, mission simulations, and security requirements. In addition to more typical delays, certain construction activities such as excavation, transporting heavy equipment, and utility outages, may be prohibited during shuttle launches and mission simulations. Furthermore, security delays are likely for as long as JSC is operating under heightened security conditions. The Contractor may experience delays caused by the Government and other factors beyond the Contractor's control. Additional time is included in the project performance period to allow for a specified number of days of delay due to these causes. Normally, contract extensions will not be granted unless the contractor has:

- (1) promptly notified the Contracting Officer of each delay as experienced with supporting evidence as necessary,
- (2) demonstrated actual delay to its effort and not merely a restriction of work,
- (3) demonstrated that the contractor was not experiencing other delays within its control, and was able and willing to perform the scheduled work which could not be performed solely due to the government delay,
- (4) shown that the delay days allotted in the performance period have been exceeded, and
- (5) met the conditions specified in the applicable contract terms and conditions relating to extensions of the contract performance period.

(b) A current Mission Schedule (subject to change) is included in as Attachment J.3 as identified in Section J-Attachments. The number of days allowed for Government delays is **45 days**. No extension of time will be given until these days have been exceeded. Contractor should expect security delays of up to 45 minutes when entering the site and allow for those delays, as no contract extension will be granted for these delays.

(End of clause)

II. Answers to prospective contractor's questions for the Utility Flood Tunnel Mitigation project

Question 1: Specification sections 08 39 00 and 08 39 19 both indicate a specific manufacturer for the products and states that prior approval is necessary for substitution. Please provide the procedure and contacts for this process.

Answer 1: *Follow clause 52.236-21 Specifications and Drawings for Construction which is incorporated by reference in Section I.1 of the solicitation when proposing a variation to specs/drawings*

Question 2: Can you tell me where I might find the environmental surveys relating to this project (asbestos or lead survey)?

Answer 2: *Environmental surveys are currently unavailable. Prospective contractors can expect asbestos to be present in floor tile, and can expect lead to be present in metal painted surfaces. Sealants will be sampled during construction prior to work schedule in a particular area. If PCB's are determined to be present, Contractor will deal with it appropriately as outlined in the new specification section 02 84 33, Removal and Disposal of Polychlorinated Biphenyls (PCB's). Disposal is handled by NASA.*

Question 3: A-M -02 Keynote #9 and general notes #4 speak of repainting entire walls from corner to corner but the plans do not specify any of these dimensions or keynotes or general notes. Please clarify whether every single penetration constitutes painting of entire walls.

Answer 3: *If any face of the wall is a part of a public space (corridor, office, restrooms, etc) the wall shall be refinished corner to corner to match existing finish on the wall. Minor penetrations / patches in mechanical room wall will not require repainting the entire interior face of the wall (that is in the mechanical room).*

Question 4: There are no specifications on pavers/tiles for around the air intakes. Can you please provide information and/or specifications for this item?

Answer 4: *See Section 09 30 00 Ceramic Tile, Quarry Tile and Paver Tile in the Tunnels Amendment 2 Specs/Drawings Package.*

Question 5: There are no masonry specifications. Can you provide a specification section for Masonry requirements (Division 04)?

Answer 5: *See Section 04 20 00 Masonry in the Tunnels Amendment 2 Specs/Drawings Package.*

Question 6: During the site walk, there was mention of replacing five (5) generators. The drawings do not provide any information needed for pricing and there are no references in the specifications for generators in electrical (Division 26). Can you provide ratings & specifications for the new generators?

Answer 6: *No generators are being replaced as a part of this project.*

Question 7: The specifications for Division 01 General Requirements are missing sections:

01 01 90.00 80 Project Description  
01 21 00.00 80 Definitions and Explanations  
01 22 00.00 80 Special Requirements.

Answer 7: *All of the above specs are available in the original specs/drawings package available at the A&E Complex and the planning rooms.*

Question 8: Are there any special requirements that need to be addressed in this project as far as as-built drawings, utility outages & procedures, availability of utility services, sanitation, project construction management offices, sedimentation and erosion control practices, or working hours.

Answer 8: *See Specification section 01 22 00.00 80 Special Requirements.*

Question 9: Is there a high voltage (12KV) one line drawing available to show feeders in the tunnel?

Answer 9: *Bid penetrations are sized on the drawings, and high voltage cables are present throughout the tunnel system. If needed, as-built drawings will be made available during construction.*

Question 10: Is there a high voltage drawing for the tunnels showing conduit sizes?

Answer 10: *Bid penetrations are sized on the drawings, and high voltage feeders are not in conduit in the tunnel except at the penetrations. If needed, as-built drawings will be made available during construction*

Question 11: Is there an emergency generator at every building, if we have to shut down a HV cable feeding the building?

Answer 11: *An emergency generator is not available at each building. Outages will be required to be scheduled and coordinated for all high voltage shutdowns.*

Question 12: Is there an approved General Contractor list that is bidding this project to NASA as the Contractor? If so, can that list be posted so that Subcontractors can see the General Contractors that are bidding this project as a Prime Contractor.

Answer 12: *There is not a General Contractor list. There is only a list of the attendees of the pre-proposal site visit that is available on the websites.*

Question 13: Please provide additional information regarding the type and quantity of plants to be provided in the conservation landscaping at Building 30.

Answer 13: *Provide the following plants in the two planters on the south side of Building 30:*

- |   |                  |
|---|------------------|
| <i>a. Wood Fern - 1 gallon</i>            | <i>Total: 14</i> |
| <i>b. Barbados Cherry - 3 gallon</i>      | <i>Total: 8</i>  |
| <i>c. Agapanthus White - 1 gallon</i>     | <i>Total: 14</i> |
| <i>d. Coral Fountain plant - 1 gallon</i> | <i>Total: 14</i> |

*Refer to detail 07 on drawing G-M-05.*

Question 14: Are we required to provide any protection at work areas within occupied buildings?

Answer 14: *The General Contractor shall provide temporary barriers / barricades as required during construction to protect building staff, and must cover the work area in thick plastic while doing work that will create dust.*

Question 15: What is design load for new window wall at Building 30.

Answer 15: *Per specification section 08 11 16, 1.2.1 the new Storefront at B-30 shall be fabricated for a design wind load of 130 M.P.H., sustained.*

Question 16: Do we have to protect plants that are too close to air intakes?

Answer 16: *Existing plant material at Air Intakes – H10, 11, 12, 23, H25, H26, shall be removed as required to facilitate installation of new flood protection devices.*

Question 17: Clarify the length of contract. It says 40 days in one location.

Answer 17: *Please see section I.3 Commencement, Prosecution, and Completion of Work (ALT 1) of the solicitation.*

Question 18: At buildings that are to be completely flood-proofed, are there any check valves needed?

Answer 18: *Install check valves at all floor / hub drains in B-48.*  
*4" floor drains: 10                      4" hub drains: 23                      Total @ B-48:*  
*33*

*Refer to detail 09 on sheet G-M-01.*

*Install check valves at all floor-drains in B-30 including B-30MOW, 30South and 30 Visitors Lobby:*  
*3" floor drains: 18                      4" floor drains: 1*  
*Emergency drain wall scuppers: 3                      Total @ B-30: 22*

*Refer to detail 09 on sheet G-M-01.*

III. PROJECT TITLE: UTILITY TUNNEL FLOODWATER MITIGATION

PROJECT DESCRIPTION: DESCRIPTION OF WORK;

The project shall provide all labor, material and equipment necessary to perform major refurbishment on the Utility Tunnel System at the NASA Johnson Space Center.

BID OPENING WILL BE HELD IN THE CONFERENCE ROOM OF  
BUILDING 111

NASA – LYNDON B. JOHNSON SPACE CENTER, ON MAY 3<sup>rd</sup>, 2010,  
2:00 pm LOCAL TIME  
2101 NASA PARKWAY, HOUSTON, TX 77058

DRIVING DIRECTIONS AND INTERNET LINK TO DETAILED MAP OF  
THE AREA WILL BE POSTED ON THE PROCUREMENT SPECIFIC  
WEBSITE AT <http://procurement.jsc.nasa.gov/utfm/>

BIDS WILL ONLY BE ACCEPTED AT THE ABOVE LOCATION

IV. The following specifications from the Tunnels Amendment #2 Specs/Drawings Package are hereby attached to the bid package:

09 30 00	Ceramic Tile, Quarry Tile, and Paver Tile
04 20 00	Masonry
02 84 33	Removal and Disposal of Polychlorinated Biphenyls

V. All other terms and conditions of the IFB remain unchanged.