

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 0005	3. EFFECTIVE DATE 22-Aug-2003	4. REQUISITION/PURCHASE REQ. NO. W33SJG-2200-8593	5. PROJECT NO.(If applicable)	
6. ISSUED BY US ARMY ENGINEER DISTRICT SAVANNAH ATTN: SHARON GODBEE (CT-P) 100 W OGLETHORPE AVENUE SAVANNAH GA 31401	CODE CT-P	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. DACW21-03-B-0002	
		X	9B. DATED (SEE ITEM 11) 29-May-2003	
			10A. MOD. OF CONTRACT/ORDER NO.	
			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 Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer 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 _____ 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 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.				
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 <input type="checkbox"/> is not, <input type="checkbox"/> 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.) CONTINUED ON PAGE 2				
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)		
		TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 22-Aug-2003	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUBJECT: Solicitation No. DACW21-03-B-0002, Seismic Remediation – Clemson Diversion Dams, Hartwell Lake is amended as follows:

- a. The date and time for receipt of bids is hereby changed from 26 August 2003 at 2:00 p.m. to 29 August 2003 at 2:00 p.m.
- b. Section 00700, Contract Clauses, is amended to add 52.236-4009 “PARTNERING – FEB 2000”.
- c. Additional questions submitted and answered for this solicitation are provided at Enclosure 1 of this amendment.
- d. TECHNICAL SPECIFICATION CHANGES: The revised and added sections listed below (Revised and Added by Amendment No. 0005) are hereby added to and made a part of the solicitation. Revised or added information is underlined and deleted information is struck out. Revisions can be located in the appropriate volume of specifications by searching for an asterisk and amendment number (i.e., *5).

Revised Sections

02240R

02241R

- e. The Government reserves the right to answer any questions received from bidders after 22 August 2003.
- f. CONTRACT DRAWINGS: There are no drawing revisions issued with this amendment.

ENCLOSURE 1

QUESTION AND ANSWERS FROM BIDDERS

1. **Question:** We hereby request clarification of the following issues for the above referenced Solicitation:

1. Section 02240R, 2.2.1 & 3.8.3.2 a. Wet Grab Soil-Cement Samples, There is a conflict between these two parts of the Specifications as included in Addendum 4. 2.2.1 asks for 5 sets of samples, 3.8.3.2 a asks for 3 sets of samples. Which is correct?

Answer: 3.8.3.2 asks for 2 sets of samples not 3. Section 02240R, paragraph 2.2.1 Strength Criterion has been changed to reflect 2 sets, see revised Section 02240R, paragraph 2.2.1.

2. **Question:**

Requests further clarification of the above subsection, which was recently revised by amendment No. 0004.

All multiple auger soil mix rigs have augers of varying lengths to stagger the adjacent bottom cutting heads. Section 3.3, Subsection f. clearly defines what the USACE considers a 4 foot embedment into the sand and gravel stratum. In particular, "The 4-foot embedment shall be based on the lowest full-diameter flight, or cutting blade on the shallowest, or shortest auger."

Section 3.3, subsection g. defines what is required "if rock is encountered prior to obtaining a 4-foot embedment of the soil-cement element..." This subsection defines one of three acceptable requirements, that is

1. "Drilling into the rock shall be continued until a total embedment of 4 feet below the top of the sand and gravel stratum is obtained". We clearly interpret this that the deepest, or longest auger may have to advance into bedrock until the shallowest, or shortest auger reaches the 4 foot embedment requirement.

or

2. "An embedment of 2 feet into rock is obtained". Although not clearly stated, we interpret this to mean that the shallowest or shortest auger needs to be 2 feet into bedrock, and therefore, depending on the contractor's equipment, the deepest or longest auger may be as much as 4 to 6 feet into bedrock. To avoid confusion, this could be better defined.

or

3. "Refusal of the augers, refusal being defined as a penetration rate of less than 1 foot per minute for 5 minutes". In our minds, this is not completely clear. Depending on the quality of the bedrock, the type of equipment/tooling used by the contractor, and the difference in lengths between the shortest and longest auger, the group of augers (2 to 4) may reach refusal (as defined in your specifications) prior to the shortest auger coming into contact with bedrock. Although not clearly defined, if "intimate contact" means that all augers, including the shallowest, or shortest auger needs to be in contact with bedrock, then the government may not be getting what they want. We feel this is a very important item which, in our opinion, should be clarified, so that all bidders clearly understand what the government is expecting.

Answer: The embedment lengths (= 4 feet below top of sand and gravel or = 2 feet into rock) required in Section 02240R, paragraph 3.3.g. and Section 02241R, paragraph 3.3.h. will be based on the penetration of the lowest full-diameter flight, or cutting blade on the shallowest, or shortest auger as described in Section 02240R, paragraph 3.3.f. and Section 02241R, paragraph 3.3.g.

We understand that the refusal criterion (less than 1 foot per minute for 5 minutes) will be dependent on the DSM equipment among other factors. However, DSM equipment must meet the minimum standards required in Section 02240R, paragraph 3.2. and Section 02241R, paragraph 3.2, including the requirement that, "Mixing equipment shall be capable of advancing through previously installed and hardened soil-cement, dense sand and gravel, and weathered rock." (paragraph 3.2.a. of each Section). DSM equipment that slows to refusal levels in either dense sand and gravel or weathered rock before achieving the embedment lengths of = 4 feet below top of sand and gravel or = 2 feet into rock will be considered to not be in conformance with the requirements of Section 02240R, paragraph 3.2.a. and Section 02241R, paragraph 3.2.a. Refusal at shallower embedments due to DSM equipment encountering unweathered bedrock or boulders will be considered to be consistent with the DSM equipment requirements of Section 02240R, paragraph 3.2.a. and Section 02241R, paragraph 3.2.a. and the embedment requirements of Section 02240R, paragraph 3.3.g. and Section 02241R, paragraph 3.3.h. See revised Section 02240R, paragraph 3.2.a and Section 02241R, paragraph 3.2 a.

3. **Question:** We hereby request clarification for the above referenced Solicitation:

Section 0200 – Site Work, Part 3.10.5 – Tests Required during Placement, 3.10.5.1 – Field Density Tests of the Specifications states that the minimum test frequency for embankment fill compacted by means "other than hand compaction" is one test per lift per each 400 sf. Section 02300 – Earthwork, Part 3.4 – Backfill, 3.4.2 – Placing Common Fill paragraph d. states that common fill is to be placed in 12" layers. Paragraph g. states that common fill shall be "traffic compacted". We interpret this level of compaction to meet the requirement of one compaction test for each 400 sf of each lift.

If our interpretation is correct this computes to a frequency of testing of one test for per 14.8 cy of embankment fill. The approximate quantity of embankment fill for the procedure included on the contract drawings is 130,000 cy. At one test for each 14.8 cy the Specifications require 8,784 compaction tests for the replacement of the embankment installation only. Is this the frequency that you are contemplating?

Answer: No. Specified frequency of density tests in Section 02000, paragraph 3.10.5.1 is for earthwork performed under Section 02000. See paragraph 3.7.2 Density Testing of Section 02300 for frequency of testing for earthwork performed under Section 02300.

52.236-4009 PARTNERING – FEB 2000

In order to most effectively accomplish this contract, the Government proposes to form a partnership with the Contractor to develop a cohesive building team. It is anticipated that this partnership would involve the Contractor, primary subcontractors and designers and the Corps of Engineers. This partnership would strive to develop a cooperative management team drawing on the strengths of each team member in an effort to achieve quality project within budget and on schedule. This partnership would be bilateral in membership and participation will be totally voluntary. Any cost associated with effectuating this partnership, excluding travel and lodging cost of Government personnel, will be borne by each party. A partnering session will be included in the Preconstruction Conference.

End of Clause)