# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

| 1. CONTRACT ID CODE | PAGE OF PAGES |
|---|---|
| | 1 \| 7 |

| 2. AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO.(If applicable) |
|---|---|---|---|
| 0005 | 08-Dec-2003 | | POC: S. Enclade |

| 6. ISSUED BY | CODE | 7. ADMINISTERED BY (If other than item 6) | CODE |
|---|---|---|---|
| USACE, CONTRACTING DIVISION<br>ATTN: CEMVN-CT, ROOM 172<br>7400 LEAKE AVE.<br>NEW ORLEANS LA 70118-3651 | W912P8 | **See Item 6** | |

| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) | | |
|---|---|---|
| | X | 9A. AMENDMENT OF SOLICITATION NO.<br>DACW29-03-B-0072 |
| | X | 9B. DATED (SEE ITEM 11)<br>30-Sep-2003 |
| | | 10A. MOD. OF CONTRACT/ORDER NO. |
| | | 10B. DATED (SEE ITEM 13) |
| CODE / FACILITY CODE | | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [X] is extended, [ ] 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 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 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 [ ] 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.)

The above numbered solicitation for GIWW, Plaquemine Lock, LA, Bayou Plaquemine Water Quality Improvements & Fisheries Restoration, Iberville Parish, LA, is hereby amended as follows:

BID OPENING DATE

BID OPENING DATE & TIME OF 8 JANUARY 2004, 2:00 P.M., LOCAL TIME AT PLACE OF BID OPENING, IS HEREBY ESTABLISHED.

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)<br>TEL: EMAIL: | |
|---|---|---|---|
| 15B. CONTRACTOR/OFFEROR<br>_____<br>(Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA<br>BY _____<br>(Signature of Contracting Officer) | 16C. DATE SIGNED<br>08-Dec-2003 |

SECTION 02226

Page 4, subparagraph 3.1.1. Line 5, change “12.0 feet NGVD at the site” to “11.0 feet NGVD on the Carrollton gage”.

SECTION 02380

Pages 9-12. Delete in their entirety and insert the attached revised pages 9-12, therefore.

SECTION 15061

1. Page 2, paragraph 1.2. Second reference, delete “AWWA C203 (1997) Coal-Tar Protective Coatings and Linings for Steel Water Pipelines - Enamel and Tape - Hot Applied”

2. Page 4, subparagraph 2.1.1. Delete the third sentence in its entirety and insert “The pump tube diameter and wall thickness shall be determined by the pump manufacturer.”

SECTION 15132

1. Page 3, paragraph 1.2. Second reference under American Water Works Association, delete “AWWA C203 (1997) Coal-Tar Protective Coatings and Linings for Steel Water Pipelines - Enamel and Tape - Hot Applied”

2. Page 4, subparagraph 1.3.2. Last line, after “unit” insert “and the pump tube”.

3. Page 5, subparagraph 1.3.6.a. Line 2, change “pumping unit” to “pump”.

4. Page 10, subparagraph 2.1.1. Under Materials, line 4, delete “Coal Tar Protective Coatings AWWA C203”.

5. Page 15, subparagraph 2.2.5. After the last sentence insert, “The cable in the pump tube shall be protected from flow damage.”

6. Page 15, subparagraph 2.2.5.1. After the last sentence insert, “The cable protection tube shall be provided with a water resistant seal at the pump to prevent flow in the cable protection tube.”

7. Page 16, subparagraph 2.3.1. Line 7, before “metallized” insert hot dipped galvanized”. After the 4$^{th}$ sentence insert, “Any damage or welding done after the zinc coating has been applied shall be cleaned and metallized in accordance with Section 09971.”

8. Page 18, subparagraph 2.10.1. Delete the 6th and 7th sentences in their entirety.

9. Page 20, subparagraph 2.10.3.5. Line 1, delete “inside the test pump tube.”

## DRAWINGS

Delete drawings C-2 and C-6 of 9, S-5 and S-6 of 9, M-1 of 3, E-1, E-3, E-4, E-5, and E-6 of 6 in their entirety and insert the following drawings C-2 and C-6 of 9, S-5 and S-6 of 9, M-1 of 3, E-1, E-3, E-4, E-5, and E-6 of 6.

in Section 00700, entitled "Inspection of Construction (FAR 52.246-12)". The Contractor shall provide all necessary screens, scales and other equipment, the operating personnel, and shall grade the sample. Certification and test results shall represent stone shipped from the quarry. Certification and tests results must be received by the Contracting Officer at the jobsite before the stone is used in the work.

2.2.4 Worksite Stockpile

Temporary storage of stone on the site will not be permitted.

PART 3 EXECUTION

3.1 BASE PREPARATION

Areas on which Graded Stone "C" and crushed stone bedding are to be placed shall be graded and/or dressed to conform to cross sections shown on the contract drawings within an allowable tolerance of plus 2 inches and minus 4 inches from the theoretical slope lines and grades. The prepared base shall be approved by the Contracting Officer. Where such areas are below the allowable minus tolerance limit they shall be brought to grade by fill with earth similar to the adjacent material and then compacted to a density equal to the adjacent in place material. Subaqueous areas, on which crushed stone bedding and Graded Stone "C" are to be placed, shall be graded and/or dressed to conform to cross sections shown on the contract drawings within an allowable tolerance of plus zero feet and minus one foot from the specified lines and grades. Where such areas are below the allowable minus tolerance limit they shall be filled with crushed stone bedding. No additional payment will be made for any material thus required. Immediately prior to placing the crushed stone bedding and Graded Stone "C", the prepared base will be inspected by the Contracting Officer and no material shall be placed thereon until that area has been approved.

3.2 PLACEMENT OF GRADED STONE "C" AND CRUSHED STONE BEDDING

3.2.1 General

Graded Stone "C" and the crushed stone bedding shall be placed on the prepared base within the limits shown on the drawings. Stone on the riverside of the levee shall not be placed unless the river stage is at or below elevation 12.0 feet NGVD at the site. Side slopes shall be determined by the angle of repose of the stone, approximately 1V on 1.5H. Stone shall be placed in a manner as to produce a reasonable well-graded mass of stone with the minimum practicable percentage of voids, and within the specified tolerances. The stone may be placed by either backhoe or dragline equipped with rock bucket; by front-end

loader, except when placing subaqueously; and by trucks and other methods, if approved (in writing) by the Contracting Officer. Additional stone shall be added if either soundings or sections indicate such to be necessary. The large stones shall be well distributed throughout the mass and shall conform to the gradations specified. The finished stone shall be free from objectionable pockets of small stones and clusters of larger stones. Placing stone by dumping it into chutes, or by similar methods likely to cause segregation of the various sizes, will not be permitted, except for subaqueous placement of the crushed stone bedding. Placing stone by dumping it at the top of the slope and pushing it down the slope will not be permitted. No equipment shall be operated directly on the completed stone protection system. The desired distribution of the various sizes of stones throughout the mass shall be obtained by selective loading of the material at the quarry or other source by controlled dumping of successive loads during final placing or by other methods of placement which will produce the specified results. Each truckload shall be representative of the gradation requirements. All dump trucks used in placing the stone shall be equipped with bottom hinged tailgates. The gate releasing mechanism shall be arranged so that it may be operated only from, at, or near the front of the truck. Rearranging of individual stones will be required to the extent necessary to obtain a reasonably well-graded distribution of stone sizes as specified above. Unless otherwise authorized by the Contracting Officer, stone shall be placed in conjunction with the construction of the embankment and with only sufficient lag in construction of the stone protection as may be necessary to prevent mixing of embankment and stone protection materials. The Contractor shall maintain the stone protection until accepted by the Contracting Officer and any material displaced prior to acceptance and due to the Contractor's negligence shall be replaced at his expense and to the lines and grades shown on the contract drawings.

3.2.2 Placement

3.2.2.1 Above Water

Graded Stone “C” and crushed stone bedding shall be placed within a tolerance of plus 4 inches and minus 2 inches from the slope lines and grades shown on the contract drawings in the finished surface of the stone, except that the extreme of this tolerance shall not be continuous over an area greater than 200 square feet. The average tolerance of the entire job shall have no more than 50 percent of the tolerances specified above.

3.2.2.2 Under Water

When Graded Stone “C” is placed under water, it may be dropped from the water surface. When crushed stone bedding is placed under water, a tremie pipe or similar method shall be used for subaqueous placement. Subaqueous placement of the crushed stone bedding shall begin once the tremie pipe reaches an elevation of 1 foot above the finished grade of the stone. The stone

shall be placed to the lines and grades shown on the drawings and within a tolerance of 6 inches above or below the specified elevation, and 1 foot under and 1 foot over in the specified crown width provided these variations are gradual over a minimum distance of 100 feet measured along the centerline. Prior to starting work, the Contractor shall submit his proposed method of placing stone under water. Stone to be placed in the wet shall be done during periods of low water levels during the months of June through November.

## 3.3 TESTS

### 3.3.1 General

The Contractor shall perform gradation tests to assure compliance with contract requirements and shall maintain detailed records.

### 3.3.2 Reporting

Reporting shall be in accordance with paragraph GRADATION TEST.

### 3.3.3 Standard Test Method for Gradation of Riprap and Graded Stone

a. Select a representative sample (Note No. 1), weigh and dump on hard stand.

b. Select specific sizes (see example) on which to run "individual weight larger than" test. (See Note No. 2). Procedure is similar to the standard aggregate gradation test for "individual weight retained".

c. Determine the largest size stone in the sample. (100 percent size)

d. Separate by "size larger than" the selected weights, starting with the larger sizes. Use reference stones, with identified weights, for visual comparison in separating the obviously "larger than" stones. Stones that appear close to the specific weight must be individually weighed to determine size grouping. Weight each size group, either individually or cumulatively.

e. Paragraph d above will result in "individual weight retained" figures. Calculate individual percent retained (heavier than) cumulative percent retained and cumulative percent passing (lighter than). Plot percent passing, along with the specification limits. The gradation limits are plotted on ENG Form 4794-R.

NOTE NO. 1: Sample Selection: The most important part of the test and the least precise is the selection of a representative sample. No "standard" can be devised; larger quarry run stone is best sampled at

the shot or stockpile by given direction to the loader; small graded stone is best sampled by random selection from the transporting vehicles. If possible, all parties should take part in the sample selection, and agree before the sample is run, that the sample is representative.

NOTE NO. 2: Selection of Size for Separation: It is quite possible and accurate to run a gradation using any convenient sizes for the separation, without reference to the specifications. After the test is plotted on a curve, then the gradation limits may be plotted. Overlapping gradations with this method are no problem. It is usually more convenient, however, to select points from the gradation limits, such as the minimum 50 percent size, the minimum 15 percent size, and one or two others, as separation points.