

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 000002	3. EFFECTIVE DATE 04/23/2010	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY USDA-NRCS-LOUISIANA STATE OFFICE 3737 GOVERNMENT ST. ALEXANDRIA LA 71302	CODE NRCS-LA-127217	7. ADMINISTERED BY (If other than Item 6) USDA-NRCS-LOUISIANA STATE OFFICE 3737 GOVERNMENT ST. ALEXANDRIA LA 71302	CODE NRCS-LA-127217
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. AG-7217-S-10-0007	
CODE		x 9B. DATED (SEE ITEM 11) 03/30/2010	
FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO.	
		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, 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.)

Purpose: The purpose of this amendment is to provide the site showing attendee list, answer questions brought up at the site showing, and amend the plans and specs as follow.

Changes:

- A) Remove Solicitation page 29 of 39 and replace with attached Solicitation page 29b of 39.
- B) Davis Bacon Wage Rates, Decision No. LA20070051, for dredging are removed.
- C) Remove Construction Specification 61 - Rock Riprap and replace with attached Construction Specification 61 - Rock Riprap.
- D) Amended the bid due date to May 4, 2010 at 2:00pm Central.
- E) No other changes necessary.

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) RALPH BROOME
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	16B. UNITED STATES OF AMERICA <i>(Signature of Contracting Officer)</i>
15C. DATE SIGNED	16C. DATE SIGNED

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

J.1 LIST OF ATTACHMENTS

ATTACHMENT	TITLE	NO. PAGES
1	Wage Rates, Gen. Decision No. LA20070004	4
2	Construction Drawings	20
3	Construction Specifications	78

Construction Specification 61—Rock Riprap

1. Scope

The work shall consist of the construction of rock riprap revetments and blankets, including filter or bedding where specified.

2. Material

Rock riprap shall conform to the requirements of Material Specification 523, Rock for Riprap, or if so specified, shall be obtained from designated sources. It shall be free from dirt, clay, sand, rock fines, and other material not meeting the required gradation limits.

At least 30 days before rock is delivered from other than designated sources, the contractor shall designate in writing the source from which rock material will be obtained and provide information satisfactory to the contracting officer that the material meets contract requirements. The contractor shall provide the contracting officer's technical representative (COTR) free access to the source for the purpose of obtaining samples for testing. The size and grading of the rock shall be as specified in section 8.

Rock from approved sources shall be excavated, selected, and processed to meet the specified quality and grading requirements at the time the rock is installed.

Based on a specific gravity of 2.65 (typical of limestone and dolomite) and assuming the individual rock is shaped midway between a sphere and a cube, typical size/weight relationships are:

Sieve size of rock	Approx. weight of rock	Weight of test pile
16 inches	300 pounds	6,000 pounds
11 inches	100 pounds	2,000 pounds
6 inches	15 pounds	300 pounds

The results of the test shall be compared to the gradation required for the project. Test pile results that do not meet the construction specifications shall be cause for the rock to be rejected. The test pile that meets contract requirements shall be left on the job site as a sample for visual comparison. The test pile shall be used as part of the last rock riprap to be placed.

Filter or bedding aggregates when required shall conform to Material Specification 521, Aggregates for Drainfill and Filters, unless otherwise specified. Geotextiles shall conform to Material Specification 592, Geotextile.

3. Subgrade preparation

The subgrade surface on which the rock riprap, filter, bedding, or geotextile is to be placed shall be cut or filled and graded to the lines and grades shown on the drawings. When fill to subgrade lines is required, it shall consist of approved material and shall conform to the requirements of the specified class of earthfill.

Rock riprap, filter, bedding, or geotextile shall not be placed until the foundation preparation is completed and the subgrade surface has been inspected and approved.

4. Equipment-placed rock riprap

The rock riprap shall be placed by equipment on the surface and to the depth specified. It shall be installed to the full course thickness in one operation and in such a manner as to avoid serious displacement of the underlying

material. The rock for riprap shall be delivered and placed in a manner that ensures the riprap in place is reasonably homogeneous with the larger rocks uniformly distributed and firmly in contact one to another with the smaller rocks and spalls filling the voids between the larger rocks. Some hand placing may be required to provide a neat and uniform surface.

Rock riprap shall be placed in a manner to prevent damage to structures. Hand placing is required as necessary to prevent damage to any new and existing structures.

5. Hand placed rock riprap

The rock riprap shall be placed by hand on the surface and to the depth specified. It shall be securely bedded with the larger rocks firmly in contact one to another without bridging. Spaces between the larger rocks shall be filled with smaller rocks and spalls. Smaller rocks shall not be grouped as a substitute for larger rock. Flat slab rock shall be laid on its vertical edge except where it is laid like paving stone and the thickness of the rock equals the specified depth of the riprap course.

6. Filter or bedding

When the contract specifies filter, bedding, or geotextile beneath the rock riprap, the designated material shall be placed on the prepared subgrade surface as specified. Compaction of filter or bedding aggregate is not required, but the surface of such material shall be finished reasonably smooth and free of mounds, dips, or windrows.

7. Measurement and payment

Method 1—For items of work for which specific unit prices are established in the contract, the quantity of each type of rock riprap placed within the specified limits is computed to the nearest ton by actual weight. The volume of each type of filter or bedding aggregate is measured within the specified limits and computed to the nearest cubic yard by the method of average cross-sectional end areas. For each load of rock riprap placed as specified, the contractor shall furnish to the COTR a statement-of-delivery ticket showing the weight to the nearest 0.1 ton.

Payment is made at the contract unit price for each type of rock riprap, filter, or bedding. Such payment is considered full compensation for completion of the work.

Method 2—For items of work for which specific unit prices are established in the contract, the quantity of each type of rock riprap placed within the specified limits is computed to the nearest 0.1 ton by actual weight. The quantity of each type of filter or bedding aggregate delivered and placed within the specified limits is computed to the nearest 0.1 ton. For each load of rock riprap placed as specified, the contractor shall furnish to the engineer a statement-of-delivery ticket showing the weight to the nearest 0.1 ton. For each load of filter or bedding aggregate, the contractor shall furnish to the COTR a statement-of-delivery ticket showing the weight to the nearest 0.1 ton.

Payment is made at the contract unit price for each type of rock riprap, filter, or bedding. Such payment is considered full compensation for completion of the work.

Method 3—For items of work for which specific unit prices are established by the contract, the volume of each type of rock riprap and filter or bedding aggregate is measured within the specified limits and computed to the nearest cubic yard by the method of average cross-sectional end areas.

Payment is made at the contract unit price for each type of rock riprap, filter, or bedding. Such payment is considered full compensation for completion of the work.

Method 4—For items of work for which specific unit prices are established by the contract, the volume of each type of rock riprap, including filter and bedding aggregate, is measured within the specified limits and computed

to the nearest cubic yard by the method of average cross-sectional end areas.

Payment is made at the contract unit price for each type of rock riprap, including filter and bedding. Such payment is considered full compensation for completion of the work.

Method 5—For items of work for which specific unit prices are established by the contract, the quantity of each type of rock riprap placed within the specified limits is computed to the nearest ton by actual weight. For each load of rock for riprap placed as specified, the contractor shall furnish to the COTR a statement-of-delivery ticket showing the weight to the nearest 0.1 ton.

Payment is made at the contract unit price for each type of rock riprap, including geotextile used for filter or bedding. Such payment is considered full compensation for completion of the work.

Method 6—For items of work for which specific unit prices are established by the contract, the volume of each type of rock riprap is measured within the specified limits and computed to the nearest cubic yard by the method of average cross-sectional end areas.

Payment is made at the contract unit price for each type of rock riprap, including geotextile used for filter or bedding. Such payment is considered full compensation for completion of the work.

All methods—The following provision applies to all methods of measurement and payment. Compensation for any item of work described in the contract, but not listed in the bid schedule, is included in the payment for the item of work to which it is made subsidiary. Such items and the items to which they are made subsidiary are identified in section 8.

No separate payment is made for testing the gradation of the test pile. Compensation for testing is included in the appropriate bid item for riprap.

8. Items of work and construction details

a. Bid Item 4, Rock Riprap

- (1) This item shall consist of furnishing all rock riprap and all work necessary to transport and place the rock riprap needed to construct the rock riprap shoreline revetment. Rock riprap shall be placed to the lines and grades shown on the drawings and as staked in the field. Orange peel or clamshell buckets shall not be used to place rock riprap. The alignment as shown on the construction drawing is representative of the design surveys at the time of plan development. Due to the erosive nature of the shoreline the alignment of the rock dike may be changed before or during construction as concurred in by the COTR. Final location will be determined in the field by the COTR.
- (2) At the time of final inspection, the rock riprap shall be to the planned elevation and lines and grades as shown on the drawings with a vertical tolerance of plus 1.0 foot. The vertical tolerance applies only to the top crown of the rock structure which shall be the design width at the planned elevation, and the base width shall not be widened from that which would result in constructing the structure to the planned grade.
- (3) Rock riprap shall be reasonably well graded from the minimum size stone to the maximum size stone permitted. Rock riprap shall be Rock Type 1 and conform to Material Specification 523, Rock for Riprap.

Rock riprap gradation will conform to ASTM D 6092-97 Riprap R-300. Minimum rock riprap thickness will be 24" as shown on the drawings:

Percent Lighter by Weight	ASTM D6092-97 R-300 Rock Riprap Rock Size By Weight
100	700 lbs.
50-100	300 lbs.
15-50	150 lbs.
0-15	45 lbs.

- (4) Rock riprap shall be placed by equipment on the surface and to the depth specified. No rock is to be dropped from a height greater than one (1) foot. The rock for riprap shall be delivered and placed in a manner that ensures the riprap in place is reasonable homogeneous with the larger rocks uniformly distributed and firmly in contact one to another with the smaller rocks and spalls filling the voids between the larger rocks. Some hand placing may be required to provide a neat and uniform surface.
- (5) Care shall be taken when placing rock to minimize spillage. In the event rock is spilled in areas where boat traffic may impact the spilled rocks, the contractor shall remove said rocks from the entire area in question. Upon completion of the work the contractor shall investigate (by appropriate means) the entire work area to include the staging area to assure no spilled rock is present.
- (6) The contractor shall not operate any equipment on the berm between the rock revetment and the flotation channel for rock placement or any other construction operation.
- (7) Section 7, Measurement and payment is deleted in its entirety and replaced as follows:

The COTR will measure the quantity of rock riprap for payment, by weight determined by barge displacement. Not less than 10 days prior to unloading the stone from any barge, the Contractor shall furnish the COTR a barge displacement table for that barge. The COTR shall be notified at least 24 hours in advance before any full rock barges are to be measured for payment, and subsequently each time a full barge of rock riprap is being transferred to smaller barges for placement on the project sites. The Contractor shall measure the full barge each time that there is a complete loading onto a light loaded barge and these records of measurement shall be provided to the COTR

Each such table shall have its accuracy certified by a person or firm, other than the Contractor, customarily performing this service and who has been approved by the COTR. Each table submitted shall show the name and/or number of the barge, the barge dimensions, the barge owner, the name of the fabricator, and the certification and date of certification of the person or firm preparing the table. All new or modified barges may be field checked for current dimensions by the COTR. Each table submitted shall contain, in parallel columns, the freeboard of the barge in feet and tenths from zero to the full depth of the barge, and the corresponding gross displacement to the nearest ton. Each barge shall be suitably marked with two displacement gauging locations along each side of the barge. A line shall mark each gauging location perpendicular to the edge of the barge, four inches wide and one foot long, on both the deck and side of the barge. Barges with rakes shall have the displacement gaging lines placed at each corner of the box section between the rakes. If a barge has a box end or ends, the gauging locations shall be placed approximately four feet from the box end(s). The freeboard will be measured at the four gauging locations and the displacement determined by the use of "CELMV Standard Barge Tables" from the average of these measurements. The displacement shall be determined before and after being unloaded and the difference between these values shall be the quantity delivered.

Pumping water from within the barge will not be permitted during unloading of the riprap or until all displacement measurements have been taken. If barge tables are furnished for fresh water and if the Contractor believes that barge displacement measurements made within the contract limits of work are being taken in water that has salinity, they will have the option of obtaining water samples and determining densities or unit weights of these samples. These water samples shall be taken in

accordance with ASTM D 3370 (practice A - Grab Sample) at depths of 4 and 8 feet in the area where measurements are made. Water sampling shall be performed when the barges are measured for quantities, both when fully loaded and when empty. Water samples shall be taken by the Contractor and witnessed by the COTR with the use of "Polypro" 2000 ml. water sampler, or equal. Densities shall be determined as specified in ASTM D 1429 (Method D - Hydrometer Method). Testing shall be done for the Contractor by a Certified testing laboratory, and test results certified by this laboratory. After review and approval of the test results by the Government, the average of the densities obtained at 4 feet and 8 feet will be used as the suitable salt water conversion factor. In all calculations, the unit weight of 62.45 pounds/cubic foot will be used for fresh water. If the Contractor does not obtain water samples and densities, then no adjustment or conversion factor will be applied to stone quantities determined by displacement tables.

- | (8) Payment for Bid Item 4, Rock Riprap will be made at the contract unit price. Such payment will
| constitute full compensation for all labor, equipment, and material for related Subsidiary Item
| Pollution Control.