

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	2
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 11-Apr-2003	4. REQUISITION/PURCHASE REQ. NO. W32CS5-2350-6013		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE DACW17 USA ENGINEER DISTRICT, JACKSONVILLE PRUDENTIAL OFFICE BLDG 701 SAN MARCO BLVD CESAJ-CT JACKSONVILLE FL 32207-8175		7. ADMINISTERED BY (If other than item 6) CODE DACW17 CO-W SO FL AREA OFFICE 4400 PGA BLVD, SUITE 203 CESAJ-CO-W PALM BEACH FL 33410			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. DACW17-03-B-0006	
			X	9B. DATED (SEE ITEM 11) 14-Mar-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.					
<p>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:</p> <p>(a) By completing Items 8 and 15, and returning <u>1</u> 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.</p>					
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.) SOUTH JETTY SAND TIGHTENING, SOUTH JETTY REHABILITATION, NORTH JETTY REHABILITATION, AND NORTH REVETMENT REHABILITATION, PLAM BEACH HARBOR, FLORIDA Any enclosures accompanying this amendment should be inserted in the plans and specifications as applicable. All superseded materials should be removed or adequately marked to indicate they have been superseded. THE DATE FOR RECEIPT OF BIDS IS CHANGED FROM APRIL 15, 2003 AT 2:00 PM, TO APRIL 22, 2003 AT 3:00 PM.					
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		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		11-Apr-2003

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

14.A. DESCRIPTIVE CHANGES TO SPECIFICATIONS: The following are descriptive changes to the specifications. Specifications should be adequately marked to indicate that they have been changed.

14.A.(1) Asterisks appear before and after the line or lines where revisions have been made to the text on the enclosed revised pages and pertain only to the changes made by this amendment except where the reverse side of a page has been previously amended; however, these can be identified by the amendment number opposite the page number at the bottom of each page.

14.A.(2) Some specification revisions include additions with underlined text or deletions with line/cross-outs.

14.A.(3) The text changes may have necessitated reformatting of subsequent text or pages. If this is the case, those pages have also been issued as amended pages but are not marked with asterisks, underlining or line/cross-outs.

14.B. SECTION 00010A: Delete the old Section 00010A and insert the new Section 00010A.

14.C. SECTION 01270: Delete the old Section 01270 and insert the new Section 01270.

14.D. SECTION 01355: Page 18, paragraph 3.1.5.3a, line 1, delete all of the text beginning with "If" and ending with "earlier." Replace the deleted text with, "If construction activities on the project beach have commenced on or before March 1st, turtle monitoring and nest location shall commence on March 1st and continue concurrently with the performance of work. If construction activities have not commenced prior to March 1st, turtle monitoring and nest location activities shall be performed for a period of 65 days prior to performing any work (including movement of equipment) in the construction area or commence turtle monitoring March 1 which ever date is later. (Arrangements have been made by the Corps of Engineers to monitor the project area between March 1 and commencement of work. It will be the responsibility of the Contractor to continue to monitor the project area during construction activities.) In such case, after turtle monitoring and nest location activities have been performed for a period of 65 days, the Contractor shall commence work in the construction area and continue the monitoring activities concurrently with performance of the work. In any case turtle monitoring and nest location/relocation activities are required through November 30th or until completion of the work on the project beach, whichever is earlier."

14.E. DESCRIPTIVE CHANGES TO THE DRAWINGS: The following are descriptive changes to the drawings. Drawings should be adequately marked to indicate that they have been changed.

DRAWING 5/5: Delete the old Drawing 5/5 and insert the new Drawing 5/5.

-End of Changes-

SECTION 00010A

LINE ITEMS AND PRICING SCHEDULE

SOUTH JETTY SAND TIGHTENING, SOUTH JETTY REHABILITATION, NORTH JETTY REHABILITATION
AND NORTH REVETMENT REHABILITATION, PALM BEACH HARBOR, FLORIDA

LINE ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
0001	BASE (SOUTH JETTY SAND TIGHTENING)				
0001AA	EXCAVATION & BACKFILL (UNCLASSIFIED)		LUMP SUM		\$ _____
0001AB	ARMOR STONE, 6,000-LB MEDIAN (ESTIMATED QUANTITY.)	4,700	TON	\$ _____	\$ _____
0001AC	ARMOR STONE, 2,000-LB MEDIAN (ESTIMATED QUANTITY.)	1,600	TON	\$ _____	\$ _____
0001AD	BEDDING / CHINKING STONE (ESTIMATED QTY.)	2,600	TON	\$ _____	\$ _____
0001AE	COMPOSITE GEOGRID/GEOTEXTILE FABRIC (ESTIMATED QUANTITY)	3,000	SQ. YARD	\$ _____	\$ _____
	TOTAL BASE				\$ _____
0002	OPTION A (SOUTH JETTY AND NORTH JETTY STONE RESTORATION)				
0002AA	ARMOR STONE, 22,000-LB MEDIAN (ESTIMATED QUANTITY.)	3,000	TON	\$ _____	\$ _____
0002AB	ARMOR STONE, 14,000-LB MEDIAN (ESTIMATED QUANTITY.)	2,900	TON	\$ _____	\$ _____
	TOTAL OPTION A				\$ _____
	TOTAL BASE AND OPTION A				\$ _____
0003	OPTION B (NORTH REVETMENT RESTORATION)				
0003AA	RIP-RAP, 600-LB MEDIAN (ESTIMATED QUANTITY)	250	TON	\$ _____	\$ _____
0003AB	CHINKING STONE (ESTIMATED QUANTITY)	300	TON	\$ _____	\$ _____
0003AC	GRAVEL (ESTIMATED QUANTITY)	4	TON	\$ _____	\$ _____
	TOTAL OPTION B				\$ _____
	TOTAL BASE AND OPTION A AND B				\$ _____
0004	OPTION C (CONCRETE CAP RESTORATION) CONCRETE CAP AND FILL (ESTIMATED QUANTITY)	330	CUBIC YARD	\$ _____	\$ _____
	TOTAL OPTION C				\$ _____

SECTION 00010A

LINE ITEMS AND PRICING SCHEDULE

SOUTH JETTY SAND TIGHTENING, SOUTH JETTY REHABILITATION, NORTH JETTY REHABILITATION
AND NORTH REVETMENT REHABILITATION, PALM BEACH HARBOR, FLORIDA

LINE ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
	TOTAL (LINE ITEMS 0001 THRU 0004)				\$ _____

NOTES:

- (1) BIDDERS MUST BID ON ALL LINE ITEMS. SEE PROVISION AT 52.214-18 (SECTION 00100).
- (2) SEE SECTION 00100, "INSTRUCTIONS TO OFFERORS".
- (3) FAILURE TO COMPLETE AND RETURN ALL REQUIRED SUBMISSIONS (SF 1442, SECTION 00010A, AND SECTION 00600) COULD RENDER YOUR BID NONRESPONSIVE.
- (4) THE GOVERNMENT RESERVES THE RIGHT TO EXERCISE OPTIONAL ITEM(S) ANYTIME PRIOR TO DEMOBILIZATION OF EQUIPMENT. SEE CLAUSE 52.217-7 (SECTION 00700).

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SECTION 01270

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 LUMP SUM PAYMENT ITEMS

Payment items for the work of this contract for which contract lump sum payments will be made are listed in the LINE ITEMS AND PRICING SCHEDULE and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed lump sum item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

1.1.1 Excavation and Backfill (Unclassified)(Line Item 0001AA)

a. Payment will be made for costs associated with or incidental to excavation and backfill and establishment of initial project management and coordination.

* ~~1.1.4 Debris Removal and Disposal (Optional Line Item 0005AA)~~

~~Payment will be made for costs associated with or incidental to debris removal and disposal.~~

*

1.2 UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in the LINE ITEMS AND PRICING SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items. Preparation of the base will not be paid for separately and all costs incidental thereto shall be included in contract prices for other items for which payment will be made. No payment will be made for excess thickness of bedding and/or chinking stone, nor for material required to replace subgrade material lost by rainwash, wave action, wind erosion, overexcavation or otherwise.

1.2.1 Measurement

Armor stone, rip-rap, bedding stone, gravel, and chinking stone will be measured for payment by the ton. Quantities will be computed to the nearest whole ton. Armor stone, rip-rap, bedding stone, gravel, and chinking stone will be measured for payment, in the presence of the Contracting Officer, by weighing on approved, accurately calibrated scales furnished by and at the expense of the Contractor. The scales shall be capable of printing a weight ticket including time, date, truck number, and weight. Weight certificates furnished by a public weighmaster will be acceptable.

All stone required will be measured as determined by barge displacement, certified railroad weights, or by weighing by the truckload on approved scales meeting the requirements of paragraph TRUCKLOAD.

a. Truckload. Each truck load will be weighed to the nearest 0.1 ton and the final quantity rounded to the nearest whole ton. Armor stone and underlayer stone will be measured for payment by weighing on approved scales before being placed in the work. Scales shall be of sufficient length to permit simultaneous weighing of all axle loads and shall have an accuracy within 0.2 percent throughout the range of the scales. The scale's accuracy shall conform to the applicable requirements of NIST HB 44 and shall be certified by an acceptable scales company representative or by an inspector of the State Inspection Bureau charged with scales inspection within the state in which the project is located prior to weighing any stone. The scales shall be located at the site of work. The scales shall be capable of printing a weight ticket including time, date, truck number, and weight. If commercial scales are readily available in close proximity (within 10 miles) of site of work, documentation shall be submitted certifying that the scales meet the requirements of the specification. The Contractor shall furnish the scales and shall weigh the stone in the presence of the Contracting Officer, who will certify the correctness thereof. The Contracting Officer may elect to accept certified railroad weights or weight certificates furnished by a public weighmaster in lieu of scale weights at the jobsite. Quarry weights will not be accepted. Scales will be checked and certified before hauling stone and after each 10,000 tons increment of stone weighed under this contract.

b. Barge Load

(1) If delivered by barge, stone will be measured for payment by the Contracting Officer by weight determined by barge displacement. The Contractor shall furnish the Contracting Officer a barge displacement table not less than 10 work days prior to unloading the stone from any barge. Each table submitted shall show the name and/or number of the barge owner, the name of the fabricator, and the certification and date of certification of the person or firm preparing the table. The Contractor shall furnish with the barge displacement tables a drawing or sketch of each barge, dimensioned in sufficient detail to permit checking of the tables. The drawings shall show, as a minimum, the length, width, depth of the barge, and dimensions of the rake or rakes. Each such table shall have its accuracy certified by a person or

firm, other than the Contractor, customarily performing this service. 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 three displacement gaging locations on each side near each end of the barge and two amidships on opposite sides. Each gaging location shall be marked by a line perpendicular to the edge of the barge, 4 inches wide and 1 foot long, on both the deck and side of the barge and two amid ship on opposite sides. 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 gaging locations shall be placed approximately 4 feet from the box end(s). The freeboard will be measured at the six gaging locations and the displacement determined by the use of "STANDARD BARGE TABLES" from the average of these measurements. The displacement will be determined before and after being unloaded and the difference between these values shall be the quantity delivered. Barges shall be loaded so that the readings taken at the gaging locations do not vary more than 1.5 feet port to starboard fore and aft and do not vary more than 0.5 feet port to starboard. If such is not the case, the Contractor shall trim the carrier by shifting the stone until this limit is reached, before the measurement will be accepted. The draft shall be determined from the average of all six readings weighting the readings of the middle gage at double those of the end gages. $(G_1 + G_2 + 2xG_3 + 2xG_4 + G_5 + G_6)$ divided by 8 = average draft. All carriers used in transporting stone shall be free of leaks such as would render accurate gauging difficult. Facilities for inspecting the hold of each carrier to determine whether leakage is occurring shall be provided. Each carrier shall also be provided with adequate pumping facilities, and if water is found to be accumulating in the hold, the carrier shall be pumped dry before each gaging, both before and after unloading. Lightening by pumping or by transfer of crew or supplies will not be permitted while stone is being transferred. Rejected stone and unacceptable material shall be left aboard the barge until after the final readings have been taken.

(2) If barge tables are furnished for fresh water and if it is believed that barge displacement measurements made within the contract limits of the work are being taken in water that has salinity, the Contractor 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 Samples) at depths of 4 feet 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 Contracting Officer 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 the

laboratory. After review and approval of the test results by the Contracting Officer, 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 62.4 pounds per cubic foot will be used for fresh water.

c. Stockpiled armor, bedding, riprap and chinking stone. If the Contractor elects to stockpile stone on the worksite or offsite, the stone shall be weighed immediately before placement by either method described above. Stone placed in temporary storage on the worksite as specified in paragraph WORKSITE STOCKPILE will not be required to be re-weighed prior to placement.

(1) Determination of Excess Stone. All stone outside the limits and tolerances of the cross sections of the structure, except variations so minor as not to be measurable, will be deducted from the quantity of new stone for which payment is to be made. Weight of excess stone will be determined from the cross sections obtained by the method provided for in paragraph FINAL SURVEYS, on the basis that the cubic feet of volume (including voids) for each type of stone, as listed in the Table in paragraph FACTORS USED FOR CONVERTING IN PLACE VOLUME TO WEIGHT, is equal to one ton or 2,000 pounds for the bulk specific gravity and percentage of voids shown. If the bulk specific gravity of the stone furnished or the percentage of voids is other than as listed below, the cubic feet of volume equaling 2,000 pounds shall be recomputed as described in paragraph REVISIONS OF BIDDING SCHEDULE QUANTITIES. Should any excess stone be disclosed above the tolerance line as defined in paragraph TOLERANCES, its volume will be computed by the average end area method, based upon the cross section in the following manner. The average end area of excess stone above the tolerance line for two (2) successive cross sections, multiplied by the distance between the cross sections will be accepted as the volume. The Contractor will not be required to remove such excess stone and deductions for the weights thereof will be made from contract payments for new stone. In addition to the above, stone, which has been delivered to the site and has been lost or wasted or otherwise not properly incorporated into the final required work, shall be deducted from the quantity for which payment is to be made.

(2) Final Surveys. Survey work and measurements required for determination of excess volume computations for stone materials shall be performed by the Contractor in the presence of the Contracting Officer. The Contractor shall notify the Contracting Officer not less than 3 days in advance of each survey. In the event of unavailability of the Contracting Officer, the Contractor shall perform the survey and certify to the Contracting Officer that it complies with the specifications. Cross section surveys shall be taken perpendicular to the axis of the structures. Elevations and soundings shall be taken on lines 25 feet apart measuring along the structure reference line, with the readings at 5-foot intervals and at breaks in the grade along the line. Other survey intervals and readings may be used if deemed appropriate or

advisable by the Government's on-site representative. Additional cross sections, elevations, and soundings may be taken if determined necessary by the Government's on-site representative. Determination of quantities will be made by the Government's on-site representative and having once been made, will not reopen, except on evidence of collusion, fraud or obvious error. Prior to performing any work under this Section, the Contractor shall coordinate all operations with the Government's on-site representative so that excess volume surveys will be made at the appropriate time. The surveys made under paragraph CHECK SURVERYs may be used when deemed appropriate by the Government's on-site representative, as part of the surveys required herein. Stone quantity computations shall be based entirely upon weights of new stone as determined from carrier displacement or certified scale weight tickets. Existing stone placed in lieu of new stone from off-site sources is excluded from measurement and payment.

1.2.2 Armor Stone, 6,000-LB Median (Bid Item 0001AB)

1.2.2.1 Payment

The quantities of armor stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the armor stone and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a SHORELINE/COASTAL PROTECTION. No payment will be made for defective areas until corrected.

1.2.2.2 Measurement

The amount paid for will be the number of tons of armor stone used in the accepted work. Armor stone shall be weighed after mixing, and deductions will be made for the weight of armor stone material not incorporated in the jetty.

1.2.2.3 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Armor Stone, 2,000-LB Median (Bid Item 0001AC)

1.2.3 Payment

The quantities of armor stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the armor stone and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a STONE, CHANNEL, SHORELINE/COASTAL PROTECTION FOR STRUCTURES. No payment will be made for defective areas until corrected.

1.2.4 Measurement

The amount paid for will be the number of tons of armor stone used in the accepted work. Armor stone shall be weighed after mixing, and deductions will be made for the weight of armor stone material not incorporated in the jetty.

1.2.5 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Bedding/Chinking Stone (Bid Item 0001AD)

1.2.6 Payment

The quantities of bedding stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the bedding stone and chinking stone, for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a SHORELINE/COASTAL PROTECTION. No payment will be made for defective areas until corrected.

1.2.7 Measurement

The amount paid for will be the number of tons of bedding stone and chinking stone used in the accepted work. Bedding stone and chinking stone shall be weighed after mixing, and deductions will be made for the weight of bedding stone and chinking stone material not incorporated in the jetty.

1.2.8 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.2 Composite Geogrid/Geotextile Fabric (Bid Item 0001AE)

1.2.9 Payment

a. Payment will be made for costs associated with or incidental to furnishing, installing and maintaining the composite geogrid/geotextile fabric.

1.2.10 Measurement

a. The maps and/or drawings already prepared (paragraph CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS of Section 00700 SPECIAL CONTRACT REQUIREMENTS) are believed to represent accurately the existing conditions at the time the surveys were performed, but the depths and elevations shown thereon may be verified and corrected by elevations and soundings taken before commencing the work. Determination of quantities placed and the deductions made therefrom to determine quantities by place measurement to be paid for within a specified reach or section, after having once been made, will not be reopened, except on evidence of collusion, fraud, or obvious error.

b. Composite geogrid/geotextile satisfactorily placed will be measured

for payment by use of Contractor performed/Government observed measurement taken in the field. The quantities shall be computed by the Government. Measurement of quantity placed for pay purposes will be based on in-place measurements of composite geogrid/geotextile. The Contractor shall give 3 calendar days advance notice, in writing, to the Contracting Officer's Representative of his intent to perform the original and final surveys. Quality Control Surveys shall be the responsibility of the Contractor. Monthly partial payments will be based on quantities determined by measurement of the in-place composite geogrid/geotextile and in accordance with paragraph QUANTITY SURVEYS of Section 00700 SPECIAL CONTRACT REQUIREMENTS.

1.2.11 Unit of Measure

Square yard.

1.2.4 Armor Stone, 22,000-LB Median (Optional Bid Item 0002AA)

1.2.12 Payment

The quantities of armor stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the armor stone and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a SHORELINE/COASTAL PROTECTION. No payment will be made for defective areas until corrected.

1.2.13 Measurement

The amount paid for will be the number of tons of armor stone used in the accepted work. Armor stone shall be weighed after mixing, and deductions will be made for the weight of armor stone material not incorporated in the jetty.

1.2.14 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Armor Stone, 14,000-LB Median (Optional Bid Item 0002AB)

1.2.15 Payment

The quantities of armor stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the armor stone and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a STONE, CHANNEL, SHORELINE/COASTAL PROTECTION FOR STRUCTURES. No payment will be made for defective areas until corrected.

1.2.16 Measurement

The amount paid for will be the number of tons of armor stone used in the

accepted work. Armor stone shall be weighed after mixing, and deductions will be made for the weight of armor stone material not incorporated in the jetty.

1.2.17 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Rip-Rap, 600-LB Median (Optional Bid Item 0003AA)

1.2.18 Payment

The quantities of rip-rap shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the rip-rap and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a STONE, CHANNEL, SHORELINE/COASTAL PROTECTION FOR STRUCTURES. No payment will be made for defective areas until corrected.

1.2.19 Measurement

The amount paid for will be the number of tons of rip-rap used in the accepted work. Rip-rap shall be weighed after mixing, and deductions will be made for the weight of rip-rap material not incorporated in the revetment.

1.2.20 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Chinking Stone (Optional Bid Item 0003AB)

1.2.21 Payment

The quantities of chinking stone shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the chinking stone and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a SHORELINE/COASTAL PROTECTION. No payment will be made for defective areas until corrected.

1.2.22 Measurement

The amount paid for will be the number of tons of chinking stone used in the accepted work. Chinking stone shall be weighed after mixing, and deductions will be made for the weight of chinking stone material not incorporated in the revetment.

1.2.23 Unit of Measure

Unit of measure: 2,000-pound ton.

1.2.4 Gravel (Optional Bid Item 0003AC)

1.2.24 Payment

The quantities of gravel shall be paid for at the respective contract unit price in the BIDDING SCHEDULE. Payment shall constitute full compensation for furnishing, handling, stockpiling and placing the gravel and for furnishing all material, equipment, plant, and tools; and other incidentals necessary to complete the work required by Section 02380a STONE, CHANNEL, SHORELINE/COASTAL PROTECTION FOR STRUCTURES.

1.2.25 Measurement

The amount paid for will be the number of tons of gravel used in the accepted work. Gravel shall be weighed after mixing, and deductions will be made for the weight of gravel material not incorporated in the jetty.

1.2.26 Unit of Measure

Unit of measure: 2,000-pound ton.

* 1.2.27 Concrete ~~with Reinforcement~~ Cap and Fill (Optional Line Item 0004AA)

1.2.27.1 Payment

All costs associated with manufacturing, furnishing, delivering, placing, finishing, formwork, ~~and curing of concrete for the various items of the schedule, which price shall include the cost of all formwork. Payment for concrete for which payment is made as a lump sum is not to be included in this unit price payment item. Payment for grout, preformed expansion joints, field-molded sealants, waterstops, reinforcing steel bars or wire reinforcement and curing of concrete is not to~~ shall be included in this unit price payment item. *

1.2.27.2 Measurement

Concrete will be measured for payment on the basis of the actual volume of concrete within the pay lines of the structures as indicated. Measurement of concrete placed against the sides of any excavation without the use of intervening forms will be made only within the pay lines of the structure. No deductions will be made for rounded or beveled edge, for space occupied by ~~metal~~ metal work, for electrical conduits or timber, or for voids or embedded items that are either less than 5 cubic feet in volume or 1 square foot in cross section. *

1.2.27.3 Unit of Measure

Unit of measure: cubic yards.

1.2.28 UNIT PRICES

1.2.28.1 Reworking and Utilizing Existing Stone Materials

Payment for reworking existing stone materials and utilizing existing stone

will not be paid for separately.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --

