

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			I. CONTRACT ID CODE J	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 0005	3. EFFECTIVE DATE 14-Sep-2004	4. REQUISITION/PURCHASE REQ. NO. W32C55-3329-7998	5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, JACKSONVILLE PRUDENTIAL OFFICE BLDG 701 SAN MARCO BLVD ATTN: CESAJ-CT JACKSONVILLE FL 32207-8175	CODE W912EP	7. ADMINISTERED BY (If other than item 6) ANTILLES OFFICE U.S. ARMY CORPS OF ENGINEERS (CESAJ-DS) 400 FERNANDEZ JUNCOS AVENUE SAN JUAN PR 00901-3299		CODE ANTILLES
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. W912EP-04-B-0010	
			<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 06-Aug-2004	
			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.) RIO GRANDE DE ARECIBO, ARECIBO, PUERTO RICO, FLOOD CONTROL PROJECT, RIO GRANDE DE ARECIBO CONTRACT 1  SEE ATTACHED SF 30 CONTINUATION PAGE FOR CHANGE TO THIS SOLICITATION.  THE DATE FOR BID OPENING IS EXTENDED TO SEPTEMBER 21, 2004, 11:00AM, SAN JUAN, PUERTO RICO, ANTILLES AREA OFFICE.				
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)		14-Sep-2004

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

1. SPECIFICATIONS:

A. Either asterisks appear before and after the line or lines where revisions have been made to the text on the enclosed revised or added pages or the text changes have been updated with additions noted with underlined text and deletions noted with line/cross-outs, and pertain only to changes made by this amendment.

B. 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 or underlined text and line/cross-outs.

DELETE SECTION 00010A LINE ITEMS & PRICING SCHEDULE and replace with the attached revised SECTION 00010A LINE ITEMS & PRICING SCHEDULE.

DELETE SECTION 01270 MEASUREMENT AND PAYMENT and replace with the attached revised SECTION 01270 MEASUREMENT AND PAYMENT.

2. DRAWINGS: There are no changes to the drawings.

## SECTION 00010A

## LINE ITEMS AND PRICING SCHEDULE

FLOOD CONTROL, RIO GRANDE DE ARECIBO, CONTRACT NO. 1  
ARECIBO, PUERTO RICO

LINE ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
0001	CLEARING AND GRUBBING		LUMP SUM		\$ _____
0002	DEMOLITION		LUMP SUM		\$ _____
0003	CHANNEL EXCAVATION (ESTIMATED QTY.)	242,500	CUBIC METER	\$ _____	\$ _____
0004	REGRADE AND FILL RIO SANTIAGO (ESTIMATED QTY.)	3,000	CUBIC METER	\$ _____	\$ _____
0005	ARECIBO LEVEE FILL (ESTIMATED QTY.)	140,000	CUBIC METER	\$ _____	\$ _____
0006	TANAMA LEVEE FILL (ESTIMATED QTY.)	510,000	CUBIC METER	\$ _____	\$ _____
0007	ROADWAY FILL (ESTIMATED QTY.)	6,100	CUBIC METER	\$ _____	\$ _____
0008	GEOTEXTILE FILTER FABRIC (ESTIMATED QTY.)	20,900	SQ. METER	\$ _____	\$ _____
0009	GABION MATTRESS REVETMENT (ESTIMATED QTY.)	4,900	CUBIC METER	\$ _____	\$ _____
0010	CULVERT STRUCTURE NO. 1		LUMP SUM		\$ _____
0011	PR-10 CULVERT STRUCTURE		LUMP SUM		\$ _____
0012	SANTIAGO ROADWAY CULVERTS		LUMP SUM		\$ _____
*0013	DEEP SOIL MIXING BY JET GROUTING		LUMP SUM		\$ _____*
0014	HOT PLANT MIX, BITUMINOUS SURFACE (ESTIMATED QTY.)	9,200	SQ. METER	\$ _____	\$ _____
0015	HOT PLANT MIX, BITUMINOUS BASE (ESTIMATED QTY.)	5,600	SQ. METER	\$ _____	\$ _____
0016	CRUSHED STONE SUB BASE (ESTIMATED QTY.)	920	CUBIC METER	\$ _____	\$ _____
0017	CATTLE CROSSING CONCRETE SURFACE		LUMP SUM		\$ _____
0018	WATER AND SEWER LINE RELOCATION		LUMP SUM		\$ _____
0019	TELEPHONE LINE RELOCATION (SEE NOTE 4)		LUMP SUM		\$90,000.00
0020	CABLE TELEVISION LINE RELOCATION (SEE NOTE 5)		LUMP SUM		\$25,738.00
0021	POWER LINE RELOCATION (SEE NOTE 6)		LUMP SUM		\$110,105.00
	TOTAL (LINE ITEMS 0001 THRU 0021)				\$ _____

## SECTION 00010A

## LINE ITEMS AND PRICING SCHEDULE

FLOOD CONTROL, RIO GRANDE DE ARECIBO, CONTRACT NO. 1  
ARECIBO, PUERTO RICO

LINE ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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**NOTES:****FUNDING AVAILABILITY:**

(1) THE CORPS BELIEVES THIS PROJECT CAN BE EFFICIENTLY CONSTRUCTED WITHIN 18 MONTHS; HOWEVER, OUR CURRENT FUNDING OUTLOOK INDICATES THE FUNDING STREAM WILL BE SPREAD OVER 3 FISCAL YEARS (36 MONTHS) WITH THE PROBABILITY THAT WE WILL RECEIVE NO MORE THAN \$1.2M IN FY-05, \$3.7M IN FY-06 AND THE BALANCE IN FY-07. BIDDERS SHOULD TAKE THIS INFORMATION AND THE TERMS OF THE CONTINUING CONTRACTS CLAUSE (52.232-5001) INTO CONSIDERATION WHEN PREPARING THEIR BIDS.

(2) BIDDERS MUST BID ON ALL LINE ITEMS. SEE PROVISION AT 52.214-18 (SECTION 00100).

(3) SEE SECTION 00100, "INSTRUCTIONS TO OFFERORS".

(4) PRICE SHOWN IS AN ESTIMATE FURNISHED TO THE GOVERNMENT BY PUERTO RICO TELEPHONE COMPANY (PRTC). CONTRACTOR WILL BE REIMBURSED AT ACTUAL COST. BID ITEM IS REFERENCED IN SECTION 16000 OF THE CONTRACT SPECIFICATIONS AND SHOWN IN DRAWINGS 85/1, 85/3, 85/4 & 85/6.

(5) PRICE SHOWN IS AN ESTIMATE FURNISHED TO THE GOVERNMENT BY LIBERTY CABLEVISION OF PUERTO RICO. CONTRACTOR WILL BE REIMBURSED AT ACTUAL COST. BID ITEM IS REFERENCED IN SECTION 16000 OF THE CONTRACT SPECIFICATIONS AND SHOWN IN DRAWINGS 85/1, 85/3, 85/4 & 85/6.

(6) PRICE SHOWN IS AN ESTIMATE FURNISHED TO THE GOVERNMENT BY PUERTO RICO ELECTRIC POWER AUTHORITY. CONTRACTOR WILL BE REIMBURSED AT ACTUAL COST. BID ITEM IS REFERENCED IN SECTION 16000 OF THE CONTRACT SPECIFICATIONS AND SHOWN IN DRAWINGS 85/1, 85/3, 85/4, 85/5 & 85/6.

(7) FAILURE TO COMPLETE AND RETURN ALL REQUIRED SUBMISSIONS (SF-1442, SECTION 00010, AND SECTION 00101) COULD RENDER YOUR BID NONRESPONSIVE. SEE SECTION 00100, INSTRUCTION TO OFFERORS.

SECTION 01270

MEASUREMENT AND PAYMENT

07/04

PART 1 GENERAL

1.1 SUMMARY

This section describes how Line Items will be measured and paid for progress payments. Work to be measured is described in specification sections listed for each Line Item. Measurement procedures for payment, required quantity survey or procurement documentation and payment restrictions are described in applicable specification sections. Allocate costs for work not specifically mentioned to the Line Item most closely associated with work involved. Unless there is a specific Line Item for administrative costs, such as Quality Control and Safety, allocate such costs proportionally across all Line Items.

1.2 DEFINITIONS

The terms "Contract Line Item Number (CLIN)" and "Line Item" are interchangeable herein (e.g.: CLIN 0001 is Line Item 0001). The term "CLIN" is a contracting term used in the Quality Control System (QCS) payment data base. See Section 01312 QUALITY CONTROL SYSTEM (QCS).

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Transmit submittal items in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Schedule of Values; G|COR

Provide a breakdown of lump sum items into proposed pay activities. Schedule of Values will become basis for CLIN and Pay Activity data in the QCS payment data base.

1.4 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.

Progress payments for lump sum CLINs will be made in accordance with the Payments Under Fixed-Price Construction Contracts clause of Section 00700 CONTRACT CLAUSES. Provide a list of pay activities, (Schedule of Values) to breakdown bid for each lump sum CLIN. Within 20 calendar days after receiving Notice to Proceed, submit Schedule of Values for Government approval. An unbalanced Schedule of Values and Pay Activity Schedule will be returned for revision. Linking a CLIN to a schedule of values of pay activities and construction schedule are described in Section 01312 QUALITY CONTROL SYSTEM (QCS). If this contract contains either the Continuing Contracts clause or the Continuing Contracts (Alternate) clause, the Contractor should take into account the amount reserved for contract payments when preparing the construction schedule.

1.4.1 Clearing and Grubbing (Line Item 0001)

Payment will be made for costs associated with or incidental to clearing and grubbing.

1.4.2 Demolition (Line Item 0002)

Payment will be made for costs associated with or incidental to demolition. See Section 02220 DEMOLITION.

1.4.3 Arecibo Culvert Structure (Line Item 0010)

Payment will be made for costs associated with or incidental to installation of culverts and Tide Flex Valves.

1.4.4 PR-10 Culvert Structure (Line Item 0011)

Payment will be made for costs associated with or incidental to installation of culverts and Tide Flex Valves.

1.4.5 Santiago Roadway Culverts (Line Item 0012)

Payment will be made for costs associated with or incidental to installation of culverts.\*

1.4.6 Deep Soil Mixing by Jet Grouting (Line Item 0013)

Payment will be made for costs associated with or incidental to jet grouting.\*

1.4.7 Cattle Crossing Concrete Surface (Line Item 0017)

Payment will be made for costs associated with or incidental to the construction of the cattle crossing.

1.4.8 Water and Sewer Line Relocation (Line Item 0018)

Payment will be made for costs associated with or incidental to the relocation of water and sewer lines.

1.4.9 Telephone Line Relocation (Line Item 0019)

Payment will be made for costs associated with or incidental to the relocation of telephone lines.

1.4.10 Cable Television Line Relocation (Line Item 0020)

Payment will be made for costs associated with or incidental to the relocation of cable television lines.

1.4.11 Power Line Relocation (Line Item 0021)

Payment will be made for costs associated with or incidental to the relocation of power lines.

1.5 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.

Each Unit Price CLIN may be a single pay activity item or may be broken down into pay activities with smaller quantities equal to CLIN total. Contract unit price multiplied by agreed quantity is full compensation.

1.5.1 Channel Excavation (Line Item 0003)

1.5.1.1 Payment

Payment for excavation of the flood control channel shall include all costs for excavating, hauling to disposal site, disposing of the excavated material, and/or hauling to the levee work site, as well as costs for all other incidental work required for the construction, protection, and maintenance of the flood control channel for which a separate payment is not provided.

1.5.1.2 Measurement

All excavation quantities shall be measured for payment by the cubic meter and will be computed by the average end area method. Area measurements shall be made on cross-sections taken at 25-meter stations along the channel alignment. The location of cross sections shall be consistent between the pre and post excavation surveys. The cross sections used for calculation of final quantities will be determined from the original survey performed by the Government after clearing and grubbing and prior to excavation, and from the finished grades shown on the drawings. Cross-sections used for calculation of quantities for progress payments will be determined from progress surveys performed by the Contractor in accordance with the clause QUANTITY SURVEYS of Section 00700 CONTRACT CLAUSES. The final survey performed by the Government will be used to verify that excavation is complete to the required finished grades, and that tolerances have not been exceeded. Material quantities resulting from over-excavation outside of given tolerances will not be included in the amount of channel excavation measured for payment. See Section 02331 LEVEE CONSTRUCTION AND CHANNEL EXCAVATION. The estimated quantity for this line item does not include tolerances. The Contractor is responsible for considering the cost of required tolerances, and including this cost in the unit price for this line item (See Section 00010A LINE ITEMS AND PRICING SCHEDULE).

1.5.1.3 Unit of Measure

Cubic meter.

1.5.2 Regrade and Fill Rio Santiago (Line Item 0004)

1.5.2.1 Payment

Payment will be made for material placed as required in embankments and backfills. Payment shall constitute full compensation for furnishing all plant, labor, equipment and material, and performing all operations necessary, including foundation preparation and placing and compacting the material, materials testing, and moisture control.

1.5.2.2 Measurement

Fill materials specified for embankment will be measured for payment by the cubic meter, and quantities will be determined by the average end area method. The basis for measurement will be cross sections of the areas to be filled taken after clearing and grubbing operations and the actual cross sections of the embankments constructed within the specified tolerance. Cross sections shall be performed at significant breaks in grade except that the maximum distance between cross sections shall not exceed 25 meters. Embankments not constructed to design grade and section including allowable tolerance as indicated on the Contractor's compliance survey will not be accepted. Volumes occupied by drainage structures will not be included in measurement of embankment for payment.

1.5.2.3 Unit of Measure

Cubic meter.

1.5.3 Arecibo Levee Fill (Line Item 0005)

1.5.3.1 Payment

Payment will be made for material placed as required in embankments, backfills and ramps, and including additional material placed by reason of foundation settlement and by reason of soft material in the foundation being forced outward from the section during construction. Payment shall constitute full compensation for furnishing all plant, labor, equipment and material, and performing all operations necessary, including core borings for settlement determination, for foundation preparation and placing and compacting the material, materials testing, and moisture control.

1.5.3.2 Measurement

a. Fill materials specified for embankment will be measured for payment by the cubic meter, and quantities will be determined by the average end area method. The basis for measurement will be cross sections of the areas to be filled taken after clearing and grubbing operations and the actual cross sections of the embankments constructed within the specified tolerance plus additional fill placed as the result of displacement or settlement of foundation material as calculated below. Cross sections shall be performed at significant breaks in grade except that the maximum distance between cross sections shall not exceed 25 meters. Embankments not constructed to design grade and section including allowable tolerance as indicated on the Contractor's compliance survey will not be accepted. Volumes occupied by

drainage structures will not be included in measurement of embankment for payment.

b. Levee Settlement. Measurement of additional fill material placed by reason of foundation settlement will be based on measurements obtained from core borings performed at the settlement measurement locations shown on the drawings and will be determined as follows:

(1) The settlement measured at each settlement measurement location will be considered to apply to the crest for that section. The quantity of settlement will be determined by the average end area method between core borings.

(2) The foundation settlement under the embankment at each cross section where a core boring is performed will be computed as follows:

$S = h * (sm/hm)$ , where

S = settlement to be computed at a break point;

h = specified gross fill height at S;

sm = measured or adjusted vertical change at settlement measurement location;

hm = specified gross fill height at settlement measurement location.

(3) Symbols used in the formula are shown on a typical settlement cross section included at the end of this section.

c. Forfeiture of Payment for Settlement of Foundation. Failure to utilize core borings in strict accordance with the specifications and drawings will result in total forfeiture of any payment which will otherwise be due the Contractor for settlement of the foundation.

d. See Section 02331 LEVEE CONSTRUCTION AND CHANNEL EXCAVATION.

#### 1.5.3.3 Unit of Measure

Cubic meter.

#### 1.5.4 Tanama Levee Fill (Line Item 0006)

##### 1.5.4.1 Payment

Payment will be made for material placed as required in embankments, backfills and ramps, and including additional material placed by reason of foundation settlement and by reason of soft material in the foundation being forced outward from the section during construction. Payment shall constitute full compensation for furnishing all plant, labor, equipment and material, and performing all operations necessary, including core borings for settlement determination, for foundation preparation and placing and compacting the material, materials testing, and moisture control.

##### 1.5.4.2 Measurement

a. Fill materials specified for embankment will be measured for payment by the cubic meter, and quantities will be determined by the average end area method. The basis for measurement will be cross sections of the areas to be filled taken after clearing and grubbing operations and the actual cross sections of the embankments constructed within the specified tolerance plus additional fill placed as the result of displacement or settlement of

foundation material as calculated below. Cross sections shall be performed at significant breaks in grade except that the maximum distance between cross sections shall not exceed 25 meters. Embankments not constructed to design grade and section including allowable tolerance as indicated on the Contractor's compliance survey will not be accepted. Volumes occupied by drainage structures will not be included in measurement of embankment for payment.

b. Levee Settlement. Measurement of additional fill material placed by reason of foundation settlement will be based on measurements obtained from core borings performed at the settlement measurement locations shown on the drawings and will be determined as follows:

(1) The settlement measured at each settlement measurement location will be considered to apply to the crest for that section. The quantity of settlement will be determined by the average end area method between core borings.

(2) The foundation settlement under the embankment at each cross section where a core boring is performed will be computed as follows:

$S = h * (sm/hm)$ , where

S = settlement to be computed at a break point;

h = specified gross fill height at S;

sm = measured or adjusted vertical change at settlement measurement location;

hm = specified gross fill height at settlement measurement location.

(3) Symbols used in the formula are shown on a typical settlement cross section included at the end of this section.

c. Forfeiture of Payment for Settlement of Foundation. Failure to utilize core borings in strict accordance with the specifications and drawings will result in total forfeiture of any payment which will otherwise be due the Contractor for settlement of the foundation.

d. See Section 02331 LEVEE CONSTRUCTION AND CHANNEL EXCAVATION.

#### 1.5.4.3 Unit of Measure

Cubic meter.

#### 1.5.5 Roadway Fill (Line Item 0007)

##### 1.5.5.1 Payment

Payment will be made for material placed as required in embankments, backfills and ramps, and including additional material placed by reason of foundation settlement and by reason of soft material in the foundation being forced outward from the section during construction. Payment shall constitute full compensation for furnishing all plant, labor, equipment and material, and performing all operations necessary, including foundation preparation and placing and compacting the material, materials testing, and moisture control.

##### 1.5.5.2 Measurement

Fill materials specified for embankment will be measured for payment by the

cubic meter, and quantities will be determined by the average end area method. The basis for measurement will be cross sections of the areas to be filled taken after clearing and grubbing operations and the actual cross sections of the embankments constructed within the specified tolerance. Cross sections shall be performed at significant breaks in grade except that the maximum distance between cross sections shall not exceed 25 meters. Embankments not constructed to design grade and section including allowable tolerance as indicated on the Contractor's compliance survey will not be accepted. Volumes occupied by drainage structures will not be included in measurement of embankment for payment.

1.5.5.3 Unit of Measure

Cubic meter.

1.5.6 Geotextile Filter Fabric (Line Item 0008)

1.5.6.1 Payment

Payment will be made at the contract unit price and will constitute full compensation to the contractor for providing all plant, labor, material, and equipment and performing all operations necessary for the complete and satisfactory installation of the geotextile. The following items are included in the contract unit price for Geotextiles and will not be counted a second time in the process of determining the extent of geotextile placed: Material and associated equipment and operation used in laps, seams, or extra length; securing pins and associated material, equipment, and operations; and material and associated equipment and operations used to provide cushioning layer of sand or gravel or both to permit increase in allowable drop height of stone. No payment will be made for geotextiles replaced because of waste, contamination, damage, repair, or due to contractor fault or negligence.

1.5.6.2 Measurement

Installed geotextiles will be measured for payment in place to the nearest square meter of protected area as delineated in the drawings.

1.5.6.3 Unit of Measure

Square meter.

1.5.7 Gabion Mattress Revetment (Line Item 0009)

1.5.7.1 Payment

Payment will be made for costs associated with or incidental to gabion baskets and mattresses, including the gabion baskets or mattresses, stone placed in the baskets or mattresses, construction, and placement.

1.5.7.2 Measurement

Gabion baskets and mattresses with rock fill will not be field measured for payment. Measurement for each thickness of gabion basket or mattress will be made by using the theoretical cross sections shown on the drawings multiplied by the length of the gabion baskets or mattresses (average end area). The measured length shall be made perpendicular to the theoretical cross section and follow the channel or levee alignment as applicable. See Section 02378 WIRE MESH GABIONS AND MATTRESSES

1.5.7.3 Unit of Measure

Cubic meter.

1.5.8 Hot Plant Mix, Bituminous Surface (Line Item 0014)

1.5.8.1 Payment

Payment will be made for costs associated with or incidental to preparation of the surface to be paved, furnishing and placing the required tack coat and prime coat, the furnishing, placing, compacting, and finishing of all required materials for the pavement, the cost for all testing. This price shall constitute full compensation for all labor, equipment, tools, and incidentals necessary to complete the work specified herein.

1.5.8.2 Measurement

Plant mix bituminous pavement will be measured by the square meter of compacted mixture placed in the accepted work, as called for in the contract documents. The measurement shall be calculated from the pavement width times the pavement length, as shown in the plan view of the contract plans.

1.5.8.3 Unit of Measure

Square meter.

1.5.9 Hot Plant Mix, Bituminous Base (Line Item 0015)

1.5.9.1 Payment

Payment will be made for costs associated with or incidental to preparation of the surface to be paved, furnishing and placing the required tack coat and prime coat, the furnishing, placing, compacting, and finishing of all required materials for the pavement, the cost for all testing. This price shall constitute full compensation for all labor, equipment, tools, and incidentals necessary to complete the work specified herein.

1.5.9.2 Measurement

Plant mix bituminous pavement will be measured by the square meter of compacted mixture placed in the accepted work, as called for in the contract documents. The measurement shall be calculated from the pavement width times the pavement length, as shown in the plan view of the contract plans.

1.5.9.3 Unit of Measure

Square meter.

1.5.10 Crushed Stone Sub Base (Line Item 0016)

1.5.10.1 Payment

Payment will be made for costs associated with or incidental to crushed stone base course, construction, and placement.

1.5.10.2 Measurement

Aggregate base course, including filler, will be measured by the cubic meter of material in place on the compacted course, computed on the basis of thickness shown on the plans. No additional thickness over that shown on the plans will be considered for measurement.

1.5.10.3 Unit of Measure

Cubic meter.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 PAYMENT PROCEDURES

See Section 01312 QUALITY CONTROL SYSTEM (QCS) for in-depth payment procedure instructions. Upon receiving initial Resident Management System import file, go to "Pay Activities" and establish a link between bid breakdown schedule of values of "Pay Activities" to contract CLINs using "Schedule Activities" data entry page.

3.1.1 Requesting Progress Payment

For progress payments, ensure "Activity Schedule", "Feature Schedule", submittal register, and punchlists are all up to date. Use "Progress Payments" to "request Activity Earnings" for both "Activity Earnings" data entry page and "Other Earning". Provide hard copies of supporting invoices and quantity measurements to support all requested earnings. Ensure that sum of payment activities do not exceed contract award CLIN funding amounts, or "unbalanced" CLINs error will prevent processing the payment.

3.1.2 Options and Modification CLINs

When additional work is added by modification, existing CLINs funding amounts must be updated, or new CLINs for modification will be created. If contract has option CLINs not yet awarded, option CLINs will appear as zero dollar CLINs until option is awarded by modification. No payment may be requested for Options or Modification CLINs until contract modification has been funded and signed.

-- End of Section --