

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 29-Aug-2002	4. REQUISITION/PURCHASE REQ. NO. W807PM-2170-2854	
6. ISSUED BY CONSTRUCTION & A/E 4155 CLAY VICKSBURG MS 39183- ----		CODE DACW38	7. ADMINISTERED BY (If other than item 6) See Item 6	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. DACW38-02-B-0038	
			<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 19-Jul-2002	
			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 type="checkbox"/> is extended, <input checked="" 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 <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.				
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.) Reference Invitation for Bids (IFB) No. DACW38-02-B-0038, Red River Below Denison Dam, Aloha-Rigolette Project, LA., Sam's Bayou Bayou Darrow, Sam's Bayou Realignment, scheduled to open at 1430, 17 Sep 02. Subject IFB is amended as follows: See Continuation.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL: _____ EMAIL: _____	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	
			16C. DATE SIGNED 29-Aug-2002	

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

BIDDING SCHEDULE

The Bidding Schedule, page 3 of 139, has been revised and replaced. Item 0006 CLOSURE EMBANKMENT has been added.

TECHNICAL SPECIFICATIONS

Section 02210 CLEARING, page 3 is revised and replaced.

Section 02230 CLOSURE EMBANKMENT is added.

Section 02935 FERTILIZING AND SEEDING, page2 is revised and replaced.

DRAWINGS

Dwg No. 1, make "pen & ink" change to add Dwg No. 8A CLOSURE to the index.

Dwg. No. 8 is reissued by this amendment.

Dwg. No. 8A CLOSURE is added by this amendment.

The Bidding Schedule has the notation "Revised by Amendment 0002" at the bottom of the page and asterisks in the margins before and after changes to previous issue.

Pages of the Technical Specifications revised by this amendment have the notation "Revised by Amendment 0002" at the bottom of the page. Text that has been added on pages revised by this amendment is shown underlined.

Pages of the Technical Specifications added by this amendment have the notation "Added by Amendment 0002" at the bottom of the page.

Encls: Bidding Schedule, page 3 of 139
Section 02210, page 3
Section 02230, pages 1 thru 6
Section 02935, page 2

RED RIVER BELOW DENISON DAM
ALOHA - RIGOLETTE PROJECT, LA
SAM'S BAYOU AND BAYOU DARROW
SAM'S BAYOU REALIGNMENT

BIDDING SCHEDULE

ITEM NO.	DESCRIPTION	EST QTY	U/M	UNIT PRICE	AMOUNT
0001	MOBILIZATION AND DEMOBILIZATION	1	LS	FOR	\$ _____
0002	CLEARING	30	AC	\$ _____	\$ _____
0003	CLEARING AND SNAGGING	8.2	MI	\$ _____	\$ _____
0004	CHANNEL EXCAVATION	55,000	CY	\$ _____	\$ _____
0005	FERTILIZING AND SEEDING	1	LS	FOR	\$ _____
*0006	CLOSURE EMBANKMENT	7,500	CY	\$ _____	\$ _____ *

Lack of registration in the CCR database will make an offeror ineligible for award. SEE CONTRACT CLAUSE 252.204-7004 ENTITLED "REQUIRED CENTRAL CONTRACTOR REGISTRATION.

THE SF 1442, BIDDING SCHEDULE, AND SECTION 00600 (REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF BIDDERS) MUST BE ACCURATELY COMPLETED AND RETURNED WITH YOUR BID OR IT MAY BE REJECTED AS NONRESPONSIVE.

The Contractor shall clear the baseline traverse, and ranges at all P.C.'s, P.I.'s, P.T.'s, 100-foot centerline stations and tie-in stations to facilitate the taking of original cross-sections. This clearing shall consist of the removal to within 6-inches of the ground surface of all trees (except cypress trees), brush and vegetation as necessary to facilitate the required surveys. This clearing shall be completed in advance of the required work.

3.3 TREES

Trees shall be felled in such a manner as to avoid damage to trees to be left standing and to existing structures, and with due regard for the safety of employees and others.

3.4 MERCHANTABLE TIMBER

Merchantable timber remaining within the areas to be cleared on or after the date of award of this contract may be disposed of by the Contractor, as long as such merchantable timber is either removed from the rights-of-way indicated on the drawings or is satisfactorily disposed of in accordance with paragraph DISPOSAL OF DEBRIS. The Contractor is precluded from making any claim for time extensions, costs, or damage to his operations by reason of the existence or nonexistence of merchantable timber, crops, debris, or stumps within the area to be cleared.

3.5 AREAS TO BE CLEARED

3.5.1 General

The entire area to be occupied by the new channel, together with areas contiguous thereto as indicated on the drawings, the baseline traverse areas described in paragraph SURVEYS, closure embankment area, and contract access roads, if required, shall be cleared.

3.5.2 Access and Disposal Areas

Only those portions of the access and disposal areas associated with the channel realignment for which access is necessary and disposal material will actually be placed under this contract, shall be cleared. Clearing along Bayou Darrow and Sam's Bayou for clearing and snagging operations as specified in Section 02211 CLEARING AND SNAGGING, shall be limited to the minimum required for access along the channel (berms), disposal/burning/burying sites, and access from the channel to the adjacent disposal/burning/burying sites. No mature trees are to be removed for access except as approved by the Contracting Officer.

3.6 DISPOSAL OF DEBRIS

3.6.1 General

All vegetative debris resulting from clearing operations, to the extent practicable, shall be chipped. Materials which cannot be chipped or materials not suitable for chipping shall be defined for the purpose of this specification as excess debris. Any excess debris resulting from clearing operations may be disposed of by burying, burning or removal from the site in accordance with requirements herein. The Contractor shall make a reasonable effort to make beneficial use of materials resulting from clearing. After dressing and seeding of the excavated material disposal areas, trapped material from runoff shall be evenly spread over the area.

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DIVISION 02 - SITE WORK

SECTION 02230

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SECTION 02230

CLOSURE EMBANKMENT

PART 1 GENERAL

1.1 MEASUREMENT AND PAYMENT

Measurement and payment for all required semicompacted closure embankment will be made at the contract unit price per cubic yard for "CLOSURE EMBANKMENT". Price and payment shall constitute full compensation for furnishing all plant, labor, material and equipment and performing all operations necessary for constructing the closure embankment, including foundation preparation; hauling, placing, compacting, and dressing the material; performing moisture control and all required testing; and all work incidental thereto. Semicompacted closure embankment will be measured for payment by the cubic yard. The basis for measurement will be the original surveys of the areas to be filled taken by the Government prior to clearing, grubbing, and vegetation removal operations, and the theoretical cross section of the completed closure embankment, constructed within the specified tolerance.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 698	(2000a) Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lb/cu. ft. (600 kN-m/cu. m.))
ASTM D 2922	(1996e1) Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 General

The semicompacted closure embankment shall be constructed of earth obtained from excavating the borrow area shown on the drawings. The semicompacted closure embankment shall be constructed of earth that is free from unsuitable and frozen materials as defined in paragraphs UNSUITABLE MATERIALS and FROZEN MATERIALS. Unless otherwise specified, material classified by the Unified Soil Classification System (as shown on the Soil Boring Legend) as gravels (GW, GP, GM) and sands (SW, SP, SM) shall not be used for semicompacted embankment unless suitably blended with less pervious material to the extent that it no longer classifies as these materials.

2.1.2 Unsuitable Materials

Materials which are classified as unsuitable for semicompacted embankment material are defined as masses of organic matter, sticks, branches, roots, and other debris.

2.1.3 Frozen Materials

Under no circumstances shall frozen earth, snow, or ice be placed in semicompacted embankment.

PART 3 EXECUTION

3.1 FOUNDATION PREPARATION

3.1.1 General

After clearing and grubbing and any required excavation of the embankment foundation, the entire earth surface on or against which semicompacted closure embankment is to be placed, except areas under water, shall be thoroughly broken to a depth of 6 inches. If for any cause, this broken surface becomes compacted in such a manner that, in the opinion of the Contracting Officer, a plane of seepage or weakness might be induced, it shall again be adequately scarified before depositing material thereon. All scarifying and breaking of ground surface shall be done along the centerline of the embankment.

3.1.2 Frozen Ground

No embankment required fill shall be placed upon frozen ground.

3.2 EMBANKMENT CONSTRUCTION

3.2.1 Semicompacted Embankment

3.2.1.1 General

The location and extent of the semicompacted closure embankment shall be as shown on the drawings. Except as specified in paragraph CLOSURE, semicompacted embankment shall not be placed in water and shall be kept thoroughly drained. The materials for semicompacted embankment shall be placed or spread in layers, the first layer not more than 6 inches in thickness and the succeeding layers not more than 12 inches in thickness prior to compaction. Layers shall be started full out to the slope stakes and shall be carried substantially horizontal and parallel to the closure centerline with sufficient crown or slope to provide satisfactory drainage during construction. Benching into the slope of the existing embankment or ground surface is required in order to place and compact the material in horizontal layers. The vertical face of the existing embankment resulting from the benching operation shall be a minimum of 1 foot in height but shall not exceed 2 feet in height. When the surface of any compacted layer is too smooth to bond properly with the succeeding layer, it shall be adequately scarified before the next layer is placed thereon.

3.2.1.2 Moisture Control for Semicompacted Embankment

The Contractor shall control the moisture content of all semicompacted closure embankment material. The optimum moisture content shall be determined by the Contractor from representative samples of each type of

material in accordance with ASTM D 698, with at least one test performed for each type of material placed. Optimum moisture test results shall be furnished to the Contracting Officer prior to placing material. Material placed in semicompacted closure embankment shall have a moisture content ranging between the following limits above and below the optimum moisture content:

TYPE OF MATERIAL	MOISTURE CONTENT (IN PERCENT DRY DENSITY)	
	MAXIMUM	MINIMUM
CLAY (CH, CL)	+6%	-6%
SILT (ML)	+3%	-3%

NOTE: See Unified Soil Classification Chart for explanation of symbols and Plasticity Chart for classification determination, both shown on the contract drawings.

The Contractor shall perform the necessary work in moisture control to bring the material to a moisture content within the range specified above in order that compaction requirements can be met. If the material is too wet, it shall either be stockpiled and allowed to drain before it is placed in the embankment cross sections and/or the wet material shall be processed by discing and harrowing, if necessary, until the moisture content is reduced sufficiently. If the material is too dry, sufficient moisture shall be uniformly distributed in each layer before compacting.

3.2.1.3 Compaction for Semicompacted Embankment

When the moisture content and conditions of the spread layers are satisfactory, each layer of semicompacted closure embankment shall be compacted to a minimum of 90 percent of maximum dry density. The maximum dry density shall be determined by the Contractor from representative samples of each type of material in accordance with ASTM D 698, with at least one test performed for each type of material placed. Maximum density test results shall be furnished to the Contracting Officer prior to placing material.

3.2.1.4 Closure

Where semicompacted closure embankment material must be placed in water, it shall be dumped therein until it reaches an elevation not less than 1.0 foot above the water surface, or until it reaches an elevation at which a stable fill surface is obtained, before layer construction will be required. The first stage of closure embankment shall be construction of a fill beginning on one side of the waterway and progressing continuously across to the opposite side. Placement of fill in the water will not be permitted when the water elevation exceeds 73.0 ft. National Geodetic Vertical Datum (NGVD). The side slopes of the first stage embankment shall be the natural angle of repose of the material. Fill material shall be deposited uniformly over the end of the embankment in such a manner as to ensure that any soft material in the foundation will be forced progressively outward from the section and not trapped within the base of the embankment. Operation of equipment on the first stage embankment area shall be controlled so as to avoid formation of ruts and to obtain the maximum degree of compaction of the embankment. If the stability of the embankment is threatened by excessive settlement or other causes, the Contracting Officer will designate such changes in the cross section, sequence of operation, or rate and areas of placement as in his opinion may be necessary to attain a stable embankment of adequate grade and cross

section. The first stage embankment shall be constructed as rapidly as practicable with the amount of plant that can be utilized efficiently. Upon completion of the first stage embankment across the waterway, the embankment shall be progressively widened to the full width using the construction methods specified for the first stage embankment. During the widening operations, additional material shall be placed as necessary to maintain drainage of the surface of the fill. Stockpiling of fill material on the embankment will not be permitted. After completion of the two stages described above, the remainder of the embankment shall be constructed in layers as specified for semicompacted embankment. Each layer shall be started from the same bank of the waterway and shall be placed progressively across the waterway over the entire area of the fill within the limits of the cross sections shown before commencing a succeeding layer.

3.2.2 Dressing

The embankment shall be brought to not less than the prescribed cross section, within allowable tolerance, at all points. Unreasonable roughness of surface shall be dressed out to permit turving operations.

3.3 CROSS SECTIONS AND ZONING OF MATERIALS

3.3.1 Closure Embankment Sections

Unless otherwise specified, the dimensions and slopes shall conform to the applicable grade and cross sections shown on the drawings, within allowable tolerance.

3.3.2 Zoning of Materials for Construction

In general, the embankment section shall be homogeneous; however, where materials of varying permeabilities are encountered, the more impervious material shall be placed toward the east slope, and the more pervious material toward the west slope.

3.4 GRADE TOLERANCES

All closure embankment shall be constructed to the grade, cross section and elevations shown on the drawings. For semicompacted embankment, at all points, a tolerance of 3/10 of 1 foot above and below the prescribed grade and cross section shown will be permitted in the final dressing provided that the crown of the embankment drains, there are no abrupt humps or depressions in surfaces or bulges in the width of the crown, and the side slopes are uniform. Any partial embankment or temporarily stockpiled material placed within the section shall not exceed the grade or slopes of the embankment by more than 2 feet, and shall have side slopes not steeper than 1V on 4H.

3.5 SETTLEMENT OF FOUNDATION

3.5.1 Sudden Failure

In clearly established cases of sudden failure of the closure embankment foundation, the method of correction will be determined by the Contracting Officer. In case the sudden settlement is caused through the fault or negligence of the Contractor, the prescribed corrective operations shall be performed at no additional cost to the Government. In case the sudden settlement is not caused through the fault or negligence of the Contractor

the corrective operations will be paid for in accordance with the Contract Clause CHANGES.

3.5.2 Omitting Work

Where settlement of the foundation develops to such an extent as to make it inadvisable, in the opinion of the Contracting Officer, to continue to add material, and advisable in his opinion, to postpone until a considerably later date all attempts to bring that portion of the embankment to full grade and cross section, the Contracting Officer shall have the right to omit further work on that portion of the embankment and to accept it as completed.

3.6 SLIDES

Should sliding occur in any part of the closure embankment during its construction, or after its completion, but prior to its acceptance, the Contractor shall upon written order of the Contracting Officer, either cut out and remove the slide from the embankment and then rebuild that portion of the embankment. In case the slide is caused through the fault or negligence of the Contractor, the foregoing operations shall be performed at no additional cost to the Government. In case the slide is not caused through the fault or negligence of the Contractor, the material ordered removed will be paid for in accordance with Contract Clause CHANGES. The method of slide correction will be determined by the Contracting Officer.

3.7 FIELD TESTING CONTROL

Testing shall be the responsibility of the Contractor and shall be performed by an approved commercial testing laboratory or by the Contractor subject to approval. Field density and moisture content tests shall be performed on at least every 500 cubic yards of semicompacted embankment material placed. Field in-place density shall be determined in accordance with ASTM D 2922. The calibration checks of both the density and moisture gages shall be made at the beginning of a job on each different type of material encountered and at intervals as directed. The Contractor shall submit three copies daily of control tests and reports as well as records of corrective action taken in accordance with Section 01451 CONTRACTOR QUALITY CONTROL.

-- End of Section --

SECTION 02935

FERTILIZING AND SEEDING

PART 1 GENERAL

1.1 MEASUREMENT AND PAYMENT

1.1.1 Measurement

No measurement will be made for fertilizing and seeding operations.

1.1.2 PAYMENT

Payment for fertilizing and seeding, and all other incidental work, except disposal of debris, will be made at the contract lump sum price for "FERTILIZING AND SEEDING". Price and payment shall constitute full compensation for furnishing all plant, labor, materials and equipment and performing the work, including any necessary repairs, in accordance with these specifications.

1.2 SCOPE

The work provided for herein consists of furnishing all plant, labor, equipment, and materials, and performing all operations necessary for finished dressing, fertilizing and seeding areas as specified herein and as indicated on the drawings. Fertilizing and seeding of the crown and side slopes of the excavated material disposal areas shall be performed upon completion. The period of the year in which fertilizing and seeding operations are performed in a particular area will determine the seeding specification in Table I which shall be followed for that area. Only one of the seeding specifications listed in Table I will be required for each particular area.

1.3 AREAS TO BE TREATED

Fertilizing and seeding shall be performed on completed closure embankment and all newly deposited excavated materials placed in the disposal areas associated with the Sam's Bayou channel realignment phase of this contract.

1.4 SUBMITTALS

Government approval is required for all submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-08 Statements

Fertilizer; FIO. Seed; FIO.

Duplicate signed copies of invoices from suppliers shall be furnished which show the percentage of nitrogen in the fertilizer. If commercial fertilizer is furnished in bulk, the Contractor shall furnish certified weight tickets and a certified quantitative analysis report, in triplicate, from a recognized testing laboratory certifying the nutrient ratio of the