

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 30-Aug-2002	4. REQUISITION/PURCHASE REQ. NO. W807PM-2198-4777		5. PROJECT NO.(If applicable)	
6. ISSUED BY CONSTRUCTION & A/E BRANCH 4155 CLAY STREET VICKSBURG MS 39183-3435		CODE DACW38	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. DACW38-02-B-0042	
				X	9B. DATED (SEE ITEM 11) 16-Aug-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 Solicitation No. DACW38-02-B-0042, FC/MR&T, West Bank Mississippi River Levees, Willow Point -Youngs Point, LA, Levee Enlargement, Item 457-R scheduled for bids to open on 17 September 2002 at 1400 hours, is hereby amended as follows:						
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	

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

TECHNICAL SPECIFICATIONS

Section 01025 MEASUREMENT AND PAYMENT, page 4 is revised and replaced.

Section 02610 WATER CONTROL GATES is reissued in its entirety.

Section 02719 CORRUGATED METAL PIPE, pages 3 and 4 are revised and replaced.

DRAWINGS

Dwg. No. 13 is reissued.

Pages revised by this amendment have the notation "Revised by Amendment 0002 at the bottom of the page. Text added by this amendment is shown as underlined. Text deleted by this amendment is shown as overstruck.

Encls: Section 01025, page 4  
Section 02610, pages 1 thru 3  
Section 02719, pages 3 and 4

**NOTE: The CD-ROM on which this amendment is contained replaces the original issue CD-ROM. THIS CD-ROM INCLUDES BOTH THE DACW38-02-B-0042 SOLICITATION AMENDMENT 0001 and 0002.**

**For Information Only: The Estimated Quantities shown on the VCCO Web Page at [www.mvk.usace.army.mil/contract](http://www.mvk.usace.army.mil/contract) have been revised with this amendment.**

(1) Payment will be made for all costs associated with constructing all required ditches, drainage ditches and ditch cleanouts at the locations and as shown on the drawings, including excavating ditches, resetting the grades and backfilling for two existing corrugated metal pipes at approximate stations 2394+44 and 2395+79; disposal of materials from ditch excavation and cleanout; and all work incidental thereto.

(2) Unit of measure: lump sum.

j. "Borrow Area Dike Construction and Road Rehabilitation"

(1) Payment will be made for all costs associated with constructing the borrow area dike embankment and field road rehabilitation at Borrow Area No. 2 as shown on the drawings, including constructing the dike embankment, raising the existing field roads, rehabilitating slopes and ditches of the existing field roads, and all work incidental thereto.

(2) Unit of measure: lump sum.

k. "Erosion Control"

(1) Payment will be made for all costs associated with performing erosion control treatment of the areas as specified in Section 02960 EROSION CONTROL, including dressing, fertilizing, seeding, mulching, and all work incidental thereto.

(2) Unit of measure: lump sum.

l. "Water Control Gates and Risers"

(1) Payment will be made for all costs associated with furnishing and installing the complete and fully operational water control gates and risers on the corrugated metal pipe culverts as shown on the drawings, including one flap gate on 24-inch pipe, two combination flap and slide gates on 36-inch pipes, one slide gate on 24-inch pipe, and all appurtenances; furnishing and constructing the ~~60~~72-inch corrugated metal riser pipes as shown, including corrugated metal stubs, concrete riser foundation and appurtenances; and all work incidental thereto. All costs associated with the corrugated metal pipe culverts shall be included in the applicable contract unit price per linear foot for the corrugated metal pipes as listed in the Bidding Schedule.

(2) Unit of measure: lump sum.

1.2 UNIT PRICE PAYMENT ITEMS

1.2.1 General

Payment items for the work of this contract for which contract unit price payments will be based are listed in the BIDDING 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, submittal procedures, storm water pollution prevention, environmental protection, meeting safety requirements, tests and reports, providing as-built drawings (both blue-line and electronic), and for performing all

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DIVISION 02 - SITE WORK

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SECTION 02610

WATER CONTROL GATES

PART 1 GENERAL

1.1 SUBMITTALS

Government approval is required for 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-04 Drawings

Water Control Gates and Appurtenances; GA.

The Contractor shall submit shop drawings and all applicable manufacturer's data showing the details of the design and construction of all water control gates and appurtenances to be furnished.

PART 2 PRODUCTS

2.1 COMBINATION FLAP AND SLIDE GATES AND APPURTENANCES

The combination flap and slide gates for the 36-inch diameter corrugated metal pipe culverts at the locations shown on the drawings shall be designed to allow free flow and prevent back flow. The gates shall be round with a spigot back and shall be able to withstand a seating head of 10 feet. The gates and appurtenances shall be manufactured as a self-contained unit. The gate shall have bronze or stainless steel bolts, studs, pins and links, and bronze bushings. Gates shall be furnished complete with all appurtenances necessary for installation. The gate, except bronze or stainless steel, shall be painted in accordance with the manufacturer's standard practice or recommendation.

2.2 SLIDE GATE AND APPURTENANCES

The slide gate for the 24-inch corrugated metal pipe culvert shall be similar and equal to Model C20s Waterman canal gate as manufactured by the Waterman Industries Inc. or Model 20-10C Hydro Gate medium duty sluice gates as manufactured by the Hydro Gate Corporation. Any other manufactured gate that is similar and equal to the above gates and meets the following criteria may be submitted for approval. Approval of all gates shall be obtained before delivery to the work site. The gate and appurtenances for the 24-inch diameter culvert at the locations shown on the drawings shall be designed to prevent back flow. The gate shall be cast iron and round with a spigot back and shall be able to withstand a seating head of 20 feet and a unseating head of 10 feet. The gate and appurtenances shall be manufactured as a self-contained unit. The gate shall have bronze or stainless steel bolts, studs, pins and links, and bronze bushings. The gate shall be furnished complete with all appurtenances necessary for installation. The gate, except bronze or stainless steel, shall be painted in accordance with the manufacturer's standard practice or recommendation. The hand wheel shall be located at the top of the riser.

### 2.3 FLAP GATE AND APPURTENANCES

The flap gate and appurtenances for the 24-inch corrugated metal pipe culvert at the locations shown on the drawings shall be designed to allow free flow and prevent back flow through the structure. The gate shall be round with a spigot back and shall be able to withstand a seating head of 10 feet. The gate shall have bronze or stainless steel bolts, studs, pins and links, and bronze bushings. The gate shall be furnished complete with all appurtenances necessary for installation. The gate, except bronze or stainless steel, shall be painted in accordance with the manufacturer's standard practice or recommendation.

## PART 3 EXECUTION

### 3.1 INSTALLATION

The water control gates shall be installed on the culverts at the locations shown on the drawings and in strict accordance with the manufacturer's instructions and drawings. Riser pipe shall be constructed in accordance with the applicable provisions of Section 02719 CORRUGATED METAL PIPES, paragraph RISER.

### 3.2 CONCRETE WORK

Concrete riser foundation shall be constructed in accordance with the details shown on the drawings. Concrete work for the concrete riser foundation shall be in accordance with all requirements for concrete specified in Section 05560 CATTLE GUARDS, paragraph SUBMITTALS and paragraph CONCRETE WORK.

-- End of Section --

SD-13 Certificates

Corrugated Metal Pipe; FIO.

Certificates of compliance shall be submitted attesting that the materials meet the specified requirements.

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 Corrugated Metal Pipe

The two 36-inch culvert pipes with risers, and one 24-inch culvert pipe with riser, shall be corrugated steel pipe in accordance with ASTM A 762/A 762M, polymer pre-coated, Grade 10/3 (Type B) coating, Type I, full circular cross section, with helical corrugations and folded lock seams. All other culvert pipes shall be corrugated steel pipe in accordance with ASTM A 760/A 760M, zinc-coated, fully bituminous coated, with paved invert, Type I, full circular cross section, with helical corrugations and folded lock seams. The lock seams shall be welded at each end of the pipe section. Corrugations for 42-inch diameter pipe and smaller shall be 2 2/3 by 1/2 inch (nominal size). Corrugations for 48-inch diameter pipe and larger shall be 3 by 1 inch (nominal size).

2.1.1.1 Pipe Ends

Pipe shall have the ends equipped with a minimum of four (4) rerolled annular corrugations.

2.1.1.2 Lifting Lugs

All pipe 36 inches in diameter or larger shall be equipped with two (2) lifting lugs. These lugs shall be attached to the pipe by welding. All welding shall be done by qualified welders. All welds and exposed metal shall be prepared in accordance with ASTM A 780 and repaired in accordance with the applicable provisions of paragraph TOUCH-UP.

2.1.1.3 Pipe Gage

The gage of the pipe shall be as specified below:

	PIPE GAGE	
Pipe Diameter (Inches)	2 2/3 by 1/2 Corrugations	3 by 1 Corrugations
24	14	--
30	14	--
36	12	--
<del>42</del> 42 7/2	<del>12</del> --	<del>10</del>
<del>60</del> 96	--	<del>12</del> 8

2.1.1.4 Pipe Lengths

The Contractor may elect to furnish pipe section lengths in combinations that will reduce the number of connecting bands. Pipe section lengths shall be approved.

### 2.1.2 Connecting Bands

Connecting bands shall have a minimum of nine (9) corrugations (2 2/3 by 1/2 inch corrugations) or seven (7) corrugations (3 by 1 inch corrugations) and a minimum circumferential lap of 6 inches. The band shall be rolled so that when it is placed on the pipe sections, the ends of the pipe will fit flush. The binders for the connecting band shall consist of a minimum of six (6) rods and tank lugs. A closed cell expanded rubber gasket shall be used with this type connecting band. The closed cell gasket shall be 12 inches wide, 3/8 inch thick, unstretched diameter 10 percent less than the normal pipe size and shall comply with ASTM D 1056, Grade SCE-43. The gasket shall be centered over the pipe joint under the connecting band.

#### 2.1.2.1 Tank Rods

The tank rods shall be 7/16 inch in diameter and shall be equipped with 1/2 inch diameter rolled threads. The nuts used on the rods shall be 1/2 inch x 1 3/4 inch steel hexagon head coupling nuts galvanized and retapped 0.020-inch (1/32 inch maximum) oversized to remove excess galvanizing from threads. Tank rods, nuts and washers shall be galvanized in accordance with ASTM A 123/A 123M.

#### 2.1.2.2 Bands

The bands shall have the same coating, depth of corrugation and gage as specified for the pipe.

### 2.1.3 Test Reports and Bills of Lading

A metallurgical test report and bill of lading showing respective heat numbers shall be furnished for all pipe delivered to the job.

### 2.1.2 Riser

#### 2.2 Pipe

Pipe shall be as specified for polymer coated pipe in paragraph CORRUGATED METAL PIPE.

### 2.3 Pipe Gage

The gage of the pipe shall be as specified below:

	PIPE GAGE	
Pipe Diameter (Inches)	2 2/3 by 1/2 Corrugations	3 by 1 Corrugations
<u>6072</u>	--	<u>1210</u>

### 2.4 Accessories

Bolts, nuts, washers, structural steel shapes and accessories shall be galvanized in accordance with ASTM A 123/A 123M.

### 2.5 Pipe Stub

The corrugated metal pipe stub shall be attached to the pipe riser by continuously welding around the periphery of the pipe.