

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	3
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 11-Mar-2005	4. REQUISITION/PURCHASE REQ. NO. W38XGR-5019-1188		5. PROJECT NO.(If applicable) W912EQ-05-B-0007	
6. ISSUED BY US ARMY ENGINEER DISTRICT, MEMPHIS 167 N MAIN STREET B202 MEMPHIS TN 38103-1894	CODE W912EQ	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. W912EQ-05-B-0007	
			X	9B. DATED (SEE ITEM 11) 18-Feb-2005	
				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.)  This solicitation for Francis Bland Floodway Ditch, Item 2 Phase 2 Channel Enlargement scheduled to open on 22 March 2005 at 2:30 p.m. is 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  10-Mar-2005	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SPECIFICATIONS

## SECTION 00700 - CONTRACT CLAUSES

**52.211-10** COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) – Delete 250 calendar days, insert 280 calendar days.

The following clause has been added by full text:

**52.211-18** VARIATION IN ESTIMATED QUANTITY (APR 1984)

If the quantity of a unit-priced item in this contract is an estimated quantity and the actual quantity of the unit-priced item varies more than 15 percent above or below the estimated quantity, an equitable adjustment in the contract price shall be made upon demand of either party. The equitable adjustment shall be based upon any increase or decrease in costs due solely to the variation above 115 percent or below 85 percent of the estimated quantity. If the quantity variation is such as to cause an increase in the time necessary for completion, the Contractor may request, in writing, an extension of time, to be received by the Contracting Officer within 10 days from the beginning of the delay, or within such further period as may be granted by the Contracting Officer before the date of final settlement of the contract. Upon the receipt of a written request for an extension, the Contracting Officer shall ascertain the facts and make an adjustment for extending the completion date as, in the judgement of the Contracting Officer, is justified.

The following clauses have been deleted:

<b>52.244-6</b>	Subcontracts for Commercial Items	DEC 2004
<b>252.244-7000</b>	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	MAR 2000

## TECHNICAL SPECIFICATIONS

**SECTION 01357**, STORM WATER POLLUTION PREVENTION PLAN is deleted in its entirety and the attached SECTION 01357 is substituted therefor.

**SECTION 02111**, CLEARING AND EXCAVATION, Paragraph 1.1. Delete “All trees and brush that would interfere with surveying operations shall be removed prior to all clearing.”

## DRAWINGS

- 1. NO NEW DRAWINGS SHALL BE ISSUED. CORRECT PLANS WITH PEN AND INK CHANGES.**
- 2. Drawing 010a0688, Highway 49 Business Plan View.** Move 36” CMP located on Southeast side to Southwest side approximately 60’ upstream of the upstream face. There is a fire hydrant 25’ downstream of the downstream face and 20’ south of right top bank.

3. **Drawing 011a0688, Highway 49 Plan View.** There is a water line that is attached under the bridge on the upstream side. The line comes from the south, turns and goes underground approximately 20' south of the northwest bridge abutment. Add the following note "Do not disturb Ark La gas line located at the Northwest corner of the bridge abutment."
4. **Drawing 011a0688, Highway 412 Plan View.** Delete 24" CMP on the northwest side. Add a 36" RCP on the northwest side flowing into the channel. The RCP is 15' upstream of the upstream face.
5. **Drawing 014a0688, Culvert Details.** Delete 24" CMP on C16 row. Add 36" RCP on C16 row.

(End of Summary of Changes)

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01357

STORM WATER POLLUTION PREVENTION PLAN

PART 1 LOCATION AND NATURE OF ACTIVITY

PART 2 AREA AFFECTED

PART 3 CONTROL OF POLLUTANTS DURING CONSTRUCTION

- 3.1 NON-STRUCTURAL MEASURES
  - 3.1.1 General
  - 3.1.2 Protection of Landscape
  - 3.1.3 Reduction of Exposure of Unprotected Erodible Soils
- 3.2 STRUCTURAL MEASURES
  - 3.2.1 General
  - 3.2.2 Silt Fences
  - 3.2.3 Check Dams
  - 3.2.4 Sediment Basins
  - 3.2.5 Other Measures
  - 3.2.6 Velocity Dissipation Devices

PART 4 CONTROL OF POLLUTANTS AFTER CONSTRUCTION

- 4.1 ESTABLISHMENT OF TURF
  - 4.1.1 General
  - 4.1.2 Fertilizer
  - 4.1.3 Seeding
  - 4.1.4 Mulching
- 4.2 STATE AND LOCAL CONTROLS

PART 5 RUNOFF COEFFICIENT, IMPERVIOUS AREAS, SOILS

PART 6 RECEIVING WATER

PART 7 INSPECTIONS

- 7.1 GENERAL
- 7.2 DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE
- 7.3 MODIFICATION OF POLLUTION PLAN
- 7.4 REPORTS

PART 8 OTHER CONSIDERATIONS

- 8.1 LOCATION OF CONSTRUCTION IN REGARD TO WATERS CLASSIFIED IN 10 CSR 20-7.013
- 8.2 PROXIMITY OF SITE TO MAJOR RESERVOIRS

PART 9 DEFINITIONS

- 9.1 BEST MANAGEMENT PRACTICES (BMPs)
- 9.2 COMMENCEMENT OF CONSTRUCTION
- 9.3 DRAINAGE SWALE
- 9.4 CHECK DAM
- 9.5 FINAL STABILIZATION

PART 10 CERTIFICATION

-- End of Section Table of Contents --

SECTION 01357

STORM WATER POLLUTION PREVENTION PLAN

FRANCIS BLAND FLOODWAY DITCH  
STORM WATER POLLUTION PREVENTION PLAN  
FOR STORM WATER GENERAL PERMIT  
U.S. ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT

PART 1 LOCATION AND NATURE OF ACTIVITY

This project consists of channel enlargement and riprap paving, between STA 480+75 and STA 668+00 in Greene County, Arkansas. The project site is west of Paragould, AR. A set of construction drawings showing the project location and the details of the channel enlargement will be located on the construction site at all times.

PART 2 AREA AFFECTED

The total area of the site, within the right-of-way limits, which will be impacted by construction, is approximately 125 acres.

PART 3 CONTROL OF POLLUTANTS DURING CONSTRUCTION

Non-Structural and/or Structural measures shall be identified and/or constructed in a timely manner as to minimize the introduction of sediment into the Francis Bland Floodway Ditch as a result of storm water runoff.

3.1 NON-STRUCTURAL MEASURES

3.1.1 General

Prior to the beginning of any construction, the Contracting Officer will identify all land resources to be preserved within the Contractor's work area. The Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms outside the construction limits without special permission. The Contractor shall provide effective protection for land, water and vegetation resources at all times. The Contractor shall construct or install temporary and/or permanent erosion and sedimentation control features as indicated herein to minimize pollutants entering Francis Bland Floodway Ditch, other water bodies, or wetlands.

3.1.2 Protection of Landscape

Trees, shrubs, vines, grasses, landforms and other landscape features indicated and defined on the contract drawings or as directed by the Contracting Officer to be preserved shall be clearly identified by marking, fencing, wrapping with boards, or other approved techniques.

3.1.3 Reduction of Exposure of Unprotected Erodible Soils

All earthwork shall be planned and conducted to minimize the duration of exposure of unprotected soils. Vegetative ground cover shall not be destroyed, removed or disturbed more than 20 calendar days prior to grading

or earth moving. Clearing shall progress in reasonably sized increments as needed to use the areas developed. To the extent feasible, material embankments, side slopes, back slopes, berms and any other exposed surfaces shall be stabilized by temporary seeding, mulching, fabric mats or other approved stabilization methods, as soon as possible after material placement, or within 14 days on areas that will remain unfinished more than 21 calendar days. Should construction be halted, for any reason, temporarily or permanently, for more than 21 days, in any portion of the site, temporary or permanent turfing measures, or other approved temporary stabilization of exposed areas, such as mulching, shall be accomplished within 14 days after construction is halted.

### 3.2 STRUCTURAL MEASURES

#### 3.2.1 General

Temporary erosion and sediment control measures such as silt fences, check dams, and sedimentation basins shall be constructed and maintained until permanent drainage and erosion control facilities are complete and operative. Placement of perimeter controls shall commence with initiation of construction and shall remain in effect during the remainder of construction until final stabilization of those portions of the site upward of the perimeter control. Temporary erosion controls shall be maintained until final stabilization of exposed areas, after which they shall be removed. All structural devices shall be constructed in accordance with the standard drawing, TEMPORARY EROSION CONTROL DEVICES.

#### 3.2.2 Silt Fences

Silt fences shall be constructed in those locations where storm water may flow from the construction site; all necessary efforts shall be employed to minimize the entry of excavated material into Francis Bland Floodway Ditch, other water bodies, or wetlands.

#### 3.2.3 Check Dams

Check dams shall be constructed across inlet ditches, drains and swales using baled straw or equivalent devices to minimize sediment entry into Francis Bland Floodway Ditch, other water bodies, or wetlands. Check dams shall be inspected for sediment accumulation after each significant rainfall and sediment removed when it reaches one-half the height of the barrier. Sediment removal shall include removal and disposition in a location where it will not erode into construction areas, watercourses or wetlands.

#### 3.2.4 Sediment Basins

Sediment from construction areas with 10 or more disturbed acres at one time shall be trapped in temporary or permanent sediment basins. After each storm, the basins shall be allowed to settle for 24 to 48-hours after which the basins shall be pumped dry. In order to maintain basin effectiveness, accumulated sediment shall be removed when the depth of sediment reaches one-third of the depth of structure in any part of the pool. Overflow shall be controlled by paved weir, by vertical overflow pipe draining from the surface, or by a spillway protected by baled straw filter barriers in the spillway and at the outlet toe of the spillway. The collected topsoil sediment shall be reused for fill on the construction site, and/or conserved for use at another site(s). If used, the basins shall provide at least 3,600 cubic feet of storage for each acre drained.

Where such basins are not used, other equivalent sediment control measures are required.

### 3.2.5 Other Measures

Other temporary erosion and sediment control measures such as berms, dikes, swales, and drains may be used with, or in lieu of, the above-mentioned measures provided they are consistent with Best Management Practices (BMPs). They shall be maintained until permanent drainage and erosion control facilities are complete and operative. Earthen erosion control features shall be compacted and stabilized immediately with vegetation as specified in the following paragraphs entitled "Seeding" and "Mulching."

### 3.2.6 Velocity Dissipation Devices

Should drains or swales be used, they shall be constructed with velocity dissipation devices (check dams) to reduce the need for more stringent erosion control practices in the swale or drain. These devices shall be removed after the erosive areas have been stabilized.

## PART 4 CONTROL OF POLLUTANTS AFTER CONSTRUCTION

### 4.1 ESTABLISHMENT OF TURF

#### 4.1.1 General

Turf shall be established as a permanent erosion control measure along any areas which are disturbed during construction. All material embankments, all berm areas, and any other disturbed areas shall be turfed. Turf shall be established in accordance with the Contract Specifications.

#### 4.1.2 Fertilizer

Fertilizer shall be distributed uniformly over the areas to be seeded at a rate which will supply not less than 40 pounds of available nitrogen, 40 pounds of available phosphorous, and 40 pounds of potash per acre.

#### 4.1.3 Seeding

Permanent turfing shall be as specified in SECTION 02935 - ESTABLISHMENT OF TURF. Temporary seeding shall consist of grasses appropriate for the season when they are sown. A satisfactory method of sowing shall be employed, using approved mechanical power-drawn seeders, mechanical hand-seeders, broadcast-seeders, or other approved methods. When conditions are such by reason of drought, high winds, excessive moisture, or other factors that satisfactory results are not likely to be obtained, work shall be halted as directed by the Contracting Officer. Such work may resume only when conditions are favorable or when approved alternative or corrective measures and procedures have been identified and approved by the Contracting Officer. If inspection either during seeding operations or after there is a show of green indicates that areas have been left unplanted, additional seed shall be sown.

#### 4.1.4 Mulching

If used, mulch shall be materials that do not contain noxious grass or weed seed that might be detrimental to the turf being established or to adjacent farmland. Mulch shall be spread uniformly in a continuous blanket, using two tons-per-acre of straw mulch or 1,200 pounds-per-acre of wood cellulose

fiber mulch.

#### 4.2 STATE AND LOCAL CONTROLS

There are no known State or local erosion and sediment control requirements applicable to this work other than those met by the requirements of this permit. In the event that there are State or local erosion and sediment control requirements, it shall be the responsibility of the Contractor to identify and comply with all applicable requirements.

#### PART 5 RUNOFF COEFFICIENT, IMPERVIOUS AREAS, SOILS

The runoff coefficient immediately after construction is estimated to range between 0.10 and 0.30. Once the material embankment and other disturbed areas have been revegetated, the runoff coefficient should return to preconstruction conditions with no increase in impervious areas. Soils in the area consist of fat and lean clays with some sand and silty sands. For further information regarding soil borings contact the Memphis District Office of the U.S. Army Corps of Engineers.

#### PART 6 RECEIVING WATER

The receiving water is the Francis Bland Floodway Ditch, a tributary of the St. Francis River, intersecting the St. Francis River in Greene County, AR. The existing surface waters within construction right-of-way limits are waters in agricultural and residential ditches. Locations of storm water discharges will be along the proposed collector and outlet ditches and will be more specifically identified by the Contractor in his Environmental Protection Plan submitted to the Government for approval 15 days after his receipt of Notice to Proceed. There are no TMDLs applicable for the immediate receiving waters and since control measures will be in place to minimize sediment discharge, the impact upon the ultimate receiving stream will be negligible. No non-storm water discharges are anticipated to be combined with storm water runoff.

#### PART 7 INSPECTIONS

##### 7.1 GENERAL

Quality Control representatives shall inspect disturbed areas of the construction site, and areas used for storage of materials that are exposed to precipitation that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site every seven calendar days and within 24-hours of the end of a storm that is 0.5-inches or greater. Where sites have been stabilized, inspections shall be conducted at least once every month.

##### 7.2 DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE

Disturbed areas and areas used for material storage that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure correct operation. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impact to receiving waters. Off-site sediment tracking will be minimized, since most of the equipment used will be delivered to and removed from the site by trailer. Locations where

vehicles enter or exit the site shall be inspected such that off-site sediment tracking will be minimized.

### 7.3 MODIFICATION OF POLLUTION PLAN

Based on the results of the inspection referenced in the paragraph entitled "Disturbed Areas and Areas Used for Material Storage," the site description identified in Part 1 and Part 2 of this plan shall be revised as appropriate, but in no case more than seven calendar days following the inspection. Such modification shall provide for timely implementation of any changes to the plan within seven calendar days following the inspection.

### 7.4 REPORTS

A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Storm Water Pollution Prevention Plan (SWPPP), and actions taken shall be recorded and retained by the Contracting Officer as part of the SWPPP for at least three years from the date the site is finally stabilized.

## PART 8 OTHER CONSIDERATIONS

### 8.1 LOCATION OF CONSTRUCTION IN REGARD TO WATERS CLASSIFIED IN 10 CSR 20-7.013

Construction is not within 1,000 feet of waters classified in 10 CSR 20-7.013, Water Quality Standards, as:

- a. Public drinking water supply lakes
- b. Outstanding National Resource Waters
- c. Outstanding State Resource Waters
- d. Streams designated for cold water sport fishery
- e. A lake in EPA's Clean Lakes Program

### 8.2 PROXIMITY OF SITE TO MAJOR RESERVOIRS

Construction is not within 100 feet of waters classified as major reservoirs.

## PART 9 DEFINITIONS

### 9.1 BEST MANAGEMENT PRACTICES (BMPs)

Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operation procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

### 9.2 COMMENCEMENT OF CONSTRUCTION

The initial disturbance of soils associated with mobilization, clearing, or other construction activities.

### 9.3 DRAINAGE SWALE

A drainage way with a lining of grass, riprap, asphalt, concrete, or other material installed to convey runoff without causing erosion.

9.4 CHECK DAM

Small temporary dams constructed across a swale or drainage ditch to reduce the velocity of runoff flows.

9.5 FINAL STABILIZATION

All soil-disturbing activities at the site have been completed, and a uniform perennial vegetative cover with a density of 95 percent of the cover for the area has been established or equivalent stabilization measures (such as the use of mulches or geo-textiles) have been employed.

PART 10 CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Dennis J. Kamper, P.E., Chief, Eng. Division, COE (901) 544-3227

\_\_\_\_\_  
Name & Official Title Phone No.

\_\_\_\_\_  
Signature Date Signed

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

\_\_\_\_\_  
Name & Official Title of Contractor Phone No.

\_\_\_\_\_  
Signature Date Signed

\_\_\_\_\_  
Name & Official Title of Subcontractor Phone No.

\_\_\_\_\_  
Signature Date Signed

-- End of Section --