

2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 28 APR 03	4. REQUISITION/PURCHASE REQ. NO. W38XGR-3073-1626	5. PROJECT NO. <i>(If applicable)</i>
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6. ISSUED BY DEPARTMENT OF THE ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT 167 N. MAIN ST., B202 MEMPHIS, TN 38103-1894	CODE B1P0100	7. ADMINISTERED BY <i>(If other than Item 6)</i> See Item 6
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8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(√)	9A. AMENDMENT OF SOLICITATION NO. DACW66-03-B-0007
	X	9B. DATED <i>(SEE ITEM 11)</i> 04/08/03
		10A. MODIFICATION OF CONTRACTS/ORDER NO.
		10B. DATED <i>(SEE ITEM 13)</i>
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers 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 1 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: <i>(Specify authority)</i> 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 <i>(such as changes in paying office, appropriation date, etc.)</i> 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 <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor is not, 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 County Bridge Replacements, Honey Cypress Creek, M-15 at Channel Station 160+60 and M-16 at Channel Station 208+25, Mississippi County, Arkansas, St. Francis Basin Project - Maintenance, scheduled to open at 2:30 p.m., 08 MAY 03, is amended as follows:

(CONTINUED ON NEXT PAGE)

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 <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ <i>(Signature of person authorized to sign)</i>		BY _____ <i>(Signature of Contracting Officer)</i>	

1. Section 00010, Page 00010-3, Supplies or Services and Prices/Costs for County Bridge (M-15) at Station 160+60. This page is deleted and the attached Page 00010-3 is substituted therefor.
2. Section 00800, Page 00800-TOC-1, Paragraph 1.24.: Delete “NOT USED” and add “NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). PLEASE NOTE: This addition may change the page numbers shown to the referenced Paragraph Titles.
3. Section 00800, Page 00800-2, Special Contract Requirements, Paragraph 1.5e, add: “TEMPORARY EROSION CONTROL DEVICES” to INDEX TO DRAWINGS under TITLE and add “STD” under Drawing Number.
4. Section 00800, Page 00800-9, Paragraph 1.24. Delete “NOT USED” and add the following:

1.24 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). In compliance with the General Permit of the NPDES, the Contracting Officer will file a Notice of Intent (NOI) with the State of Arkansas. In addition, the Storm Water Pollution Prevention Plan (SWPPP) required by the General Permit has been prepared and is included at the end of these Special Contract Requirements. The Contractor shall adhere strictly to the erosion control provisions of SWPPP and Section 01130 - ENVIRONMENTAL PROTECTION to minimize sediment discharge into nearby watercourses to the maximum extent practicable. Furthermore, the Contractor and all subcontractors shall sign the certification contained in the SWPPP. The Contractor shall maintain the SWPPP on the construction site at all times. The SWPPP shall take precedence over the technical specifications.

5. Insert the attached STORM WATER POLLUTION PREVENTION PLAN at the end of Section 00800.
6. DRAWING No. 1. INDEX TO DRAWINGS (continued) - Add “STD” under SHT. NO. and add “TEMPORARY EROSION CONTROL DEVICES” under TITLE.
7. DRAWING No. 2, for clarification:
 - a. Existing culvert labeled “15 CMP” located north of northwest corner of bridge down stream of replacement CULVERT No. 1 is to be removed.
 - b. Existing culvert labeled “24” STEEL PIPE” located east of northeast corner of bridge below replacement CULVERT No. 2 is to be removed.
 - c. Existing culvert labeled “24” STEEL PIPE” located south of southeast corner of bridge at CULVERT No. 3 is to be removed.
8. DRAWING No. 9, for clarification: All existing culverts are to be removed.
9. Add Drawing “STD”, “TEMPORARY EROSION CONTROL DEVICES”, to drawing set after Drawing No. 25.

COUNTY BRIDGE REPLACEMENTS
HONEY CYPRESS DITCH, STATIONS 160+60 & 208+25
MISSISSIPPI COUNTY, ARKANSAS
ST. FRANCIS BASIN PROJECT - CONSTRUCTION

SUPPLIES OR SERVICES AND PRICES/COSTS

County Bridge (M-15) at Station 160+60

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/M</u>	<u>U/P</u>	<u>AMOUNT</u>
0001	Clearing and Grubbing	1	LS	<u>XXX.XX</u>	\$ _____
0002	Excavation	1	LS	<u>XXX.XX</u>	\$ _____
0003	Roadway Embankments	1	LS	<u>XXX.XX</u>	\$ _____
0004	Aggregate Surfacing	1	LS	<u>XXX.XX</u>	\$ _____
0005	Finish Dressing, Fertilizing, Seeding, and Mulching	1	LS	<u>XXX.XX</u>	\$ _____
0006	Filter Material	883	TN	____.____	\$ _____
0007	Riprap	2775	TN	____.____	\$ _____
0008	Concrete, Piling, Precast, Prestressed, 14-inch Square	1356	LF	____.____	\$ _____
0009	Cast in Place Structural Concrete	1	LS	<u>XXX.XX</u>	\$ _____
0010	Corrugated Metal Pipe, 18-inch	37	LF	____.____	\$ _____
0011	Corrugated Metal Pipe, 24-inch	65	LF	____.____	\$ _____
0012	Corrugated Metal Pipe, 48-inch	10	LF	____.____	\$ _____
0013	Flared End Section, 18-inch	2	EA	____.____	\$ _____
0014	Flared End Section, 24-inch	1	EA	____.____	\$ _____
0015	Guardrail	1	LS	<u>XXX.XX</u>	\$ _____
0016	Environmental Protection	1	LS	<u>XXX.XX</u>	\$ _____
0017	Utility Relocation	1	LS	<u>XXX.XX</u>	\$ _____
0018	Bridge at Station 160+60	1	LS	<u>XXX.XX</u>	\$ _____
SUBTOTAL FOR ITEMS 0001 THROUGH 0018					\$ _____

AMENDMENT NO. 0001

**HONEY CYPRESS CREEK
COUNTY BRIDGE REPLACEMENTS
M-15 at CHANNEL STATION 160+60 & M-16 at CHANNEL STATION 208+25
MISSISSIPPI COUNTY, ARKANSAS
STORM WATER POLLUTION PREVENTION PLAN
FOR STORM WATER GENERAL PERMIT
U.S. ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT**

1.0 LOCATION AND NATURE OF ACTIVITY

This project consists of the Replacement of Two County Bridges, Honey Cypress Creek, M-15 at Channel Station 160+60 and M-16 at Channel Station 208+25, Mississippi County, Arkansas. A set of construction drawings showing the project location and the details of the replacement bridges will be located on the sites at all times.

2.0 AREA AFFECTED

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

3.0 CONTROL OF POLLUTANTS DURING CONSTRUCTION

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, top soil, 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 Honey Cypress Creek, other water bodies or wetlands.

3.1.2 Protection of Landscape

Trees, shrubs, vines, grasses, land forms 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 for Temporary Erosion Control Devices.

3.2.2 Silt Fences

If used, silt fences shall be constructed along the channel top bank in any location where stormwater may enter the stream or wetland, along inlet ditches, and any other areas necessary to minimize the entry of excavated material into Honey Cypress Creek.

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 the stream. 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, water courses 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 top soil 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 paragraphs 4.1.3 and 4.1.4.

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.

4.0 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 the clearing and excavation reaches and any other 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

Seed sown for permanent turfing shall be as specified in the technical specifications. 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 effected. 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 turfing being established or to adjacent farmland. Mulch shall be spread uniformly in a continuous blanket, using 2 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 and/or local erosion and sediment control requirements, it shall be the responsibility of the Contractor to identify and comply with all applicable requirements.

5.0 **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 re-vegetated, the runoff coefficient should return to pre-construction conditions with no increase in impervious areas.

Soils in the area consist of fat and lean clays with some sand and silty sands.

6.0 **RECEIVING WATER**

The receiving stream is Buffalo Creek Diversion Channel, located in Mississippi County, Arkansas.

7.0 INSPECTIONS

7.1 General

Quality assurance 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. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

7.3 Modification of Pollution Plan

Based on the results of the inspection in paragraph 7.2, the site description identified in paragraphs 1 and 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.

8.0 OTHER CONSIDERATIONS

8.1 Location of Construction in Regard to Waters Classified in 10CSR20-7.013

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; however, Honey Cypress Creek is a permanent flow stream.

9.0 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 clearing, grading, or excavating activities 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 85 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.

10.0 CERTIFICATION

"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."

Dennis J. Kamper, Chief, Engineering Division	901-544-3227
Name & Official Title	Phone No.

Signature	Date Signed

Name & Official Title of Contractor	Phone No.

Signature	Date Signed

Name & Official Title of Subcontractor	Phone No.

Signature	Date Signed