

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE _____ OF _____ PAGES

2. AMENDMENT/MODIFICATION NO. _____ 3. EFFECTIVE DATE _____ 4. REQUISITION/PURCHASE REQ. NO. _____ 5. PROJECT NO. *(If applicable)* _____

6. ISSUED BY _____ CODE _____ 7. ADMINISTERED BY *(If other than Item 6)* _____ CODE _____

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)* _____ (X) 9A. AMENDMENT OF SOLICIATION NO. _____
 9B. DATED *(SEE ITEM 11)* _____
 10A. MODIFICATION OF CONTRACT/ORDER NO. _____
 10B. DATED *(SEE ITEM 11)* _____
 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 _____ 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 your 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	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.)*

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>		<i>(Signature of Contracting Officer)</i>	

SECTION 02220

DEMOLITION

12/97

AMENDMENT 0001

PART 1 GENERAL

This section covers demolition of the required portion of the existing concrete toe ditch and removal from government property of all concrete rubble.

1.1 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.

ENGINEERING MANUALS (EM)

EM 385-1-1 (1996) U.S. Army Corps of Engineers Safety and Health Requirements Manual

1.2 MEASUREMENT AND PAYMENT

Demolition will not be measured for payment purposes. Payment for demolition will be subsidiary to the various contract lump sum prices for "Remove and Replace Concrete Ditch," as applicable. This will constitute full compensation for furnishing all plant, labor, equipment and materials, saw cutting concrete, jack hammering concrete as required, removing all existing porous concrete inserts, hauling and disposal of concrete rubble, and for performing all other operations in connection with the applicable contract drawings and these specifications.

1.3 GENERAL REQUIREMENTS

The work includes demolition, salvage of identified items and materials, and removal of resulting rubbish and debris. Rubbish and debris shall be removed from the construction site daily to avoid accumulation at the demolition site. The contractor shall stockpile the removed material on Government property within 2 miles of the construction site, as directed by the Contracting Officer's representative. (aml) Materials such as large concrete rubble that cannot be removed daily shall be stored in areas specified by the Contracting Officer. No debris or concrete rubble shall be stockpiled or stored on the slope of the embankment. In the interest of occupational safety and health, the work shall be performed in accordance with EM 385-1-1, Section 23, Demolition, and other applicable Sections. In the interest of conservation, salvage shall be pursued to the maximum extent possible; salvaged items and materials shall be disposed of as specified.

1.4 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. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-01 Data

Work Plan; G, RE

The procedures proposed for the accomplishment of the work. The procedures shall provide for safe conduct of the work, including procedures and methods to provide necessary supports, lateral bracing and shoring (especially of the road side of the existing concrete ditch slope after the lower portion is demolished) when required, careful removal and disposition of materials specified to be salvaged, protection of property which is to remain undisturbed, coordination with other work in progress, and timely disconnection of utility services. The procedures shall include a detailed description of the methods and equipment to be used for each operation, and the sequence of operations in accordance with EM 385-1-1.

1.5 DUST CONTROL

The amount of dust resulting from demolition shall be controlled to prevent the spread of dust to occupied portions of the construction site and to avoid creation of a nuisance in the surrounding area. Use of water will not be permitted when it will result in, or create, hazardous or objectionable conditions such as ice, flooding and pollution.

1.6 PROTECTION

1.6.1 Protection of Personnel

During the demolition work the Contractor shall continuously evaluate the condition of the slab being demolished and take immediate action to protect all personnel working in and around the demolition site. No area or section will be allowed to be left unsupported without sufficient bracing, shoring, or lateral support to prevent collapse or movement while workmen remove debris or perform other work in the immediate area.

1.6.2 Protection of Existing Property

Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing items to remain in place, to be reused, or to remain the property of the Government; any damaged items shall be repaired or replaced as approved by the Contracting Officer. The Contractor shall coordinate the work of this section with all other work and shall construct and maintain shoring, bracing, and supports as required. The Contractor shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports or adding new supports as may be required as a result of any cutting, removal, or demolition work performed under this contract. Special care should be taken to ensure that the roadside portion of ditch paving to remain does not slide down slope after the lower portion of concrete is demolished and the bottom portion of the reinforcing steel is cut. Any significant movement to or damage to the remaining portion of ditch paving will be repaired at the contractors expense.

1.6.3 Protection of Trees

Trees within the project site which might be damaged during demolition or other contractor operations, and which are indicated to be left in place, shall be protected by a 6 foot high fence. The fence shall be securely erected a minimum of 5 feet from the trunk of individual trees or follow the outer perimeter of branches or clumps of trees. Any tree designated to remain that is damaged during the work under this contract shall be replaced in kind or as approved by the Contracting Officer.

1.6.4 Environmental Protection

The work shall comply with the requirements of Section 01410 ENVIRONMENT PROTECTION.

1.7 BURNING

The use of burning at the project site for the disposal of refuse and debris will not be permitted.

1.8 USE OF EXPLOSIVES

Use of explosives will not be permitted.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.1 EXISTING STRUCTURES

Portions of the existing concrete ditch indicated shall be sawcut, or jackhammered, and removed to grade. Additionally, all porous concrete shall be removed from the 8-inch diameter circular holes spaced at 5-foot centers along the roadside slope of the existing ditch paving.

3.2 DISPOSITION OF MATERIAL

Title to material and equipment to be demolished, except Government salvage and historical items, is vested in the Contractor upon receipt of notice to proceed. The Government will not be responsible for the condition, loss or damage to such property after notice to proceed.

3.2.1 Salvageable Items and Material

Contractor shall salvage items and material to the maximum extent possible.

3.2.1.1 Material Salvaged for the Contractor

Material and concrete rubble salvaged for the Contractor shall be stored as approved by the Contracting Officer and shall be removed from Government property before completion of the contract. Material salvaged for the Contractor shall not be sold on the site.

3.3 CLEAN UP

Debris shall be removed and transported in a manner that prevents spillage on streets or adjacent areas. Local regulations regarding hauling and disposal shall apply.

3.4 EXISTING DITCH CONCRETE SLAB

Existing ditch concrete slab designated for removal shall be saw cut and removed in accordance with the details shown on the drawings and to the limits and depths indicated on the drawings.

-- End of Section --

SECTION 03303

CONCRETE
03/1994
AMENDMENT 0001

PART 1 GENERAL

1.1 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 CONCRETE INSTITUTE (ACI)

ACI 305R	(1991) Hot Weather Concreting
ACI 315	(1980; Rev 1986) ACI Detailing Manual: Section Details and Detailing of Concrete Reinforcement \avail only as part of SP-66
ACI 318	(1989; Rev 1992; Errata) Building Code Requirements for Reinforced Concrete
ACI C 1107	(1991a) Packaged Dry Hydraulic-Cement (Nonshrink)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A 615	(1990) Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
ASTM C 94	(1992) Ready-Mixed Concrete

1.2 MEASUREMENT

Concrete work will not be measured for payment purposes. Measurement of grout will be the cubic yard of grout placed on the job as measured by supplier trip/weigh tickets.

1.3 PAYMENT

1.3.1 Ditch Repair

No separate payment will be made for concrete. All costs associated with concrete within a bid item section will be subsidiary to the contract lump sum price for "Remove and Replace Concrete Ditch." Such payments shall constitute full compensation for furnishing all labor and materials for concrete work, re-establishing the grade of the underlying material, placing required filter material (not sand fill), placing reinforcing steel, all formwork, constructing underslab drain pipes, filling with concrete any portions of porous concrete holes on the road side of the existing ditch that are above the saw cut line, placing and finishing the concrete slope paving, and removing from government property all debris and concrete rubble.

1.3.2 Grouting

Payment for grouting will be made at the applicable unit price per cubic yard for "Grout." Such payments shall constitute full compensation for

furnishing all labor and materials for filling void cavities that exist along and under the upper portion of the road side of the existing concrete ditch.

PART 2 MATERIALS

2.1 CONCRETE

Concrete shall be composed of Portland cement, fine aggregate, coarse aggregate, and water so proportioned and mixed as to produce a plastic workable mixture. The concrete mix conforming to ASTM C 94, shall be designed to secure a minimum compressive strength of 3,000 psi in 28 days. The consistency of any mix shall be that required to produce a slump between 3 and 4 inches. Entrained air content of exterior concrete shall be between 5 and 7 percent by volume.

2.1.1 Reinforcement

Reinforcement shall conform to ASTM A 615, Grade 60. Reinforcement detailing and placement shall conform to ACI 315 and ACI 318.

2.1.2 Water

Water used in mixing and curing concrete shall be fresh, clean, and free from injurious amounts of sewage, oil, acid, alkali, salt, or organic matter.

2.2 GROUT

Grout shall be proportioned at a ratio by volume of 0.7 parts water: 1 part cement: and 2 parts sand. The grout shall be thoroughly mixed to achieve a uniform consistency prior to placement on the job. (aml)

2.3 FILTER MATERIAL

Filter material shall be composed of commercially provided material that meets the requirements of SECTION 02140 - EXCAVATION, TRENCHING, AND BACKFILLING.

2.4 NONSHRINK GROUT

Nonshrink Grout shall conform to ASTM C 1107 and shall be a commercial formulation suitable for the application proposed.

PART 3 EXECUTION

3.1 FORMWORK

Formwork shall be provided so that the concrete conforms accurately to the indicated shapes, lines, dimensions, and with surfaces free of offset, waviness, or bulges. Where surfaces are to be exposed or painted, panels shall be manufacturer's stock size material, using smaller panels cut to required dimensions only where required by openings. Exposed corners shall be 3/4" chamfered, beveled, or rounded by moldings placed in the forms. Surfaces shall be thoroughly cleaned and coated before each use. Forms shall be removed at a time and in a manner that will not injure the concrete.

3.2 CONCRETE PLACEMENT

Concrete work shall conform to ACI 318, the part entitled "Construction Requirements" and ACI 305. Concrete shall be placed on clean, damp surfaces free from water, ice, frost, mud, or debris. Unless otherwise

approved, concrete shall be mixed and placed only when the temperature is at least 35 degrees F and rising. The concrete shall be spread, tamped, and screeded to a true plane. Unless otherwise indicated, concrete slabs shall be reinforced with #5 bars at 12 inches on center each way located at the center of the slab.

3.3 FINISHING

Exposed concrete other than slabs shall have fins and rough edges removed. Exposed concrete slabs shall have a wood float finish.

3.4 CURING

Concrete surfaces not covered by forms shall be protected against moisture loss for not less than 7 days by covering with burlap, cotton, or other approved fabric mats or sand, all kept continually wet by covering surfaces with waterproof paper with edges and ends lapped and sealed or by membrane-forming curing compound. Where formed surfaces are cured in the forms, the forms shall be kept continually wet. If forms are removed before the end of the curing period, curing shall be continued as on unformed surfaces using suitable materials.

3.5 PROTECTION

There are relief wells along the roadside edge of the existing concrete ditch. The drain lines from these relief wells extend through sections of concrete ditch. Additionally, there are piezometers and surface drainage outlets located within the work area. The contractor shall protect all these items to ensure that they are not damaged. Refer to Section 02110 PREPARING CONSTRUCTION AREA for repair requirements to damaged relief wells and piezometers.

3.6 GROUTING

Grout shall be placed or flowed into each of the voids on the upper portion of the roadside of the concrete ditch. No grouting shall be accomplished until after all required "Ditch Repair" work is completed and at least seven (7) days of concrete curing has occurred. During the grouting operations, care shall be taken to ensure that the grout hydrostatic pressure does not displace any of the concrete ditch sections. This will require slow flow rates of grout and also allowing grout lifts of one to two feet to harden before placing additional grout in a cavity.

-- End of Section --