

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0004			3. EFFECTIVE DATE 17-Sep-2004	4. REQUISITION/PURCHASE REQ. NO. W81G66-4180-3069
6. ISSUED BY U. S. ARMY ENGINEER DISTRICT, CHICAGO 111 CANAL STREET CHICAGO IL 60606			7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>	5. PROJECT NO.(If applicable)
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X 9A. AMENDMENT OF SOLICITATION NO. W912P6-04-B-0004	X 9B. DATED (SEE ITEM 11) 09-Aug-2004
CODE			10A. MOD. OF CONTRACT/ORDER NO.	
FACILITY CODE			10B. DATED (SEE ITEM 13)	
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. W912P6-04-B-0004 for LOCAL FLOOD PROTECTION, LITTLE CALUMET RIVER, INDIANA, STAGE VI-1 SOUTH LEVEE, HIGHLAND AND HAMMOND, INDIANA  The Amendment continues on the 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 (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  17-Sep-2004

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**The following items are applicable to this amendment:**

Attached hereto are the following revised pages to the Solicitation's Specifications. Revised pages replace the like-numbered pages of the Specifications. Changes are indicated by an asterisk in the left margin opposite the beginning of the revision and an asterisk in the right margin opposite the end. The revision mark "Am-0004" is shown on each page of the revised Specification sections.

Section	Page No(s)/Paragraph No(s)
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02630	Page 02630-3, Para. 2.1.1
05500	Page 05500-4, Para. 2.5.3

### 2.1.1 Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe for Levee Crossings.

\* Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe for Levee Crossings. The pipe shall meet the requirements of ASTM C 655 with either steel or concrete bell-and-spigot surfaces and solid-ring rubber gaskets having a circular cross section.

### 2.1.2 Ductile Iron Pipe

#### 2.1.2.1 Pipe Standards

Ductile iron pipe shall conform to AWWA C 150 91 and AWWA C 151 91, thickness Class 53 for flanged piping. Pipe sizes as indicated on the drawings.

#### 2.1.2.2 Fittings

Material, thickness, and pressure rating shall be Class 150. Linings, coatings, and wrappings shall be as specified for the pipe except hand applications may be used when machine application is not practicable. Fittings shall conform to AWWA C 110 87 and ANSI B16.5 88 as appropriate. Pipe shall be furnished with flanged ends, where shown, in accordance with AWWA C 115 Class 150. Flanges shall be ductile iron in accordance with AWWA C 110 87.

#### 2.1.2.3 Push-On Joints

Push-on joints shall conform to AWWA C 111-90. Push-on joints shall allow a 5-degree deflection angle over a 20-foot laying length. Flex/ball joints shall conform to AWWA C 111-90. Flex/ball joints shall allow a 15-degree deflection over a 20-foot laying length. Flex/ball joints shall be American Flex-Lok boltless ball joint pipe or equal.

## 2.2 END SECTIONS

### 2.2.1 Reinforced Concrete End Sections

Reinforced concrete end sections shall be constructed in accordance with the requirements of ASTM C 76.

### 2.2.2 Trash Racks

Each end section is to be fitted with a trash rack. These features are also called safety guards. The drawings indicate the basic dimensions for the trash racks and some of the material sizes and shapes. It is intended that the trash racks be the standard product of a reputable manufacturer who is in the business of fabricating these trash rack for installation on precast end section.

## 2.3 DRAINAGE STRUCTURES

### 2.3.1 Catch Basins and Manholes

Construction shall be of precast reinforced concrete in accordance with ASTM C 478, complete with frames and gratings as shown on the plans.

A 569. Grating shall be galvanized after fabrication.

#### 2.5.2 Heavy Duty Steel Bar Grating

Heavy duty rectangular steel bar grating shall have a 1-3/4 inch deep by 3/8 inch thick bearing bars spaced at a maximum of 15/16 inches. Crossbars shall be spaced at a maximum of 2 inches. Grating material shall conform to ASTM A 36. Grating shall be galvanized after fabrication.

#### 2.5.3 Grating Sections

\* Make sections removable; for Steel Bar Grating limit weight of each section to not more than 75 pounds or dimensioned as indicated on the drawings. \*  
Heavy Duty Steel Bar Grating shall be fabricated in 3 equal sections.

#### 2.6 MISCELLANEOUS

Miscellaneous plates and shapes for items that do not form a part of the structural steel framework, such as angles, miscellaneous mountings, and frames, shall be provided to complete the work. Unless otherwise indicated these items shall conform to ASTM A 36 and shall be hot dipped galvanized.

#### 2.7 EXPANSION ANCHORS

Expansion anchors shall have diameters as shown on the drawings and be approved for use with concrete.

##### 2.7.1 Expansion Anchor Requirements

Expansion anchors shall be stainless steel conforming to ASTM A 276 Type 304 or 316. Expansion anchors used to attach the fence brackets shall have a minimum ultimate pull out (tension) capacity of 5,000-pounds (lbs). All other expansion anchors shall have a minimum ultimate pull out (tension) capacity of 10,000-pounds (lbs).

#### 2.8 ANCHOR BOLTS

Anchor Bolts shall conform to the requirements of ASTM A 307, galvanized.

#### 2.9 ALUMINUM STOP LOGS

Aluminum stop logs shall be a commercially manufactured item. Aluminum stop logs shall be stackable with a minimum log height of 6 inches. Each stop log shall have neoprene seals. The stop logs shall be provided with a lifting beam recommended or manufactured by the stop log manufacturer.

##### 2.9.1 Sizing

Stop logs shall be sized to resist a minimum of 15 foot of head for the opening width shown on the drawings.

##### 2.9.2 Stop Log Panels

Stop log panels shall be an aluminum extrusion and in minimum height increments of 6 inches. The appropriate number of panels shall be provided to meet the closure height shown on the drawings. Panels made of two or more extrusions shall be securely welded together to form a unit and joints shall be made watertight with neoprene seals or seal welding. Each panel shall have the appropriate attachments to engage the lifting beam provided with the stop logs. Panel surface shall be mill finish. Adequate drainage