



RFQ No. DACW67-02-Q-0042

**US Army Corps  
of Engineers®**  
Seattle District

AMENDMENT 0007

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**Project: Construct Small Lock Guard Gate Castings**

**Location: LWSC, SEATTLE, WA**

**SUPPLY SOLICITATION  
AND SPECIFICATIONS**

**Closing Date: 20 MAY 2002**

**Closing Time: 10:00AM LOCAL TIME PST**

**REMARKS: Quotes may be faxed to (206) 764-6817, Attention: Susan Newby, or mailed to US Army, Corps of Engineers, Seattle District, Attention: Susan Newby, P.O. Box 3755, Seattle, WA 98124-3755.**

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	6
2. AMENDMENT/MODIFICATION NO. 0007	3. EFFECTIVE DATE 15-May-2002	4. REQUISITION/PURCHASE REQ. NO. W68MD9-2029-1543	5. PROJECT NO.(If applicable)		
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT P.O. BOX 3755 SEATTLE WA 98124-3755	CODE DACW67	7. ADMINISTERED BY (If other than item 6)		CODE	
		<b>See Item 6</b>			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. DACW67-02-Q-0042	
			X	9B. DATED (SEE ITEM 11) 14-Feb-2002	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE				
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<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 checked="" type="checkbox"/> is extended, <input 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)					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>					
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.) SEE ATTACHED CONTINUATION SHEET  POC: SUSAN NEWBY (206) 764-6780					
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)		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED		
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	15-May-2002		

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

a. This amendment is issued to reflect the changes in Section 05502, Section 05055 and Drawings, and to extend the required response date/time.

b. Description of Changes:

This revision is for material changes only. Original quantities remain unchanged. A 668 steel forgings and A 36 mild steel have been replaced by A 29 medium carbon steel; Grade 4140 for pintle, gudgeon and anchorage pins, and Grade 1045 for pintle key, sleeve nut, gudgeon and anchorage eyebars, clevis and miter bearing bars. B 139 phosphor bronze has been replaced by B 150 aluminum bronze for clevis, gudgeon and anchorage eyebar bushings. Added Brinell hardness requirements for pintle and pintle bushing.

c. Section 05502 (see attached) is being replaced and is hereby incorporated herein. A vertical line on the right side of each page reflects changes to the Section.

d. Section 05055, Paragraph 2.2.4.2: Change third sentence to read: "Patterns shall be painted."

e. Drawing Plates S-1, S-2, and S-6 are being replaced as marked by lines, and is hereby incorporated herein.

f. Change Drawing Plate S-5, Note 2: Change Grade 1040 to read as 1045.

g. The required response date/time has changed from 16-May-2002 1:00PM to 20-May-2002 10:00AM Local Time.

h. There are no other changes as a result of this amendment.

i. The acknowledgement of this amendment is by signing the Standard Form (SF) 30, blocks 15A, 15B, 15C, and submit with your quote.

## SECTION 05502

## METALS: MISCELLANEOUS, STANDARD ARTICLES, SHOP FABRICATED ITEMS

## PART 1 GENERAL

## 1.1 SCOPE

The work covered by this section consists of providing all equipment, labor, and materials in connection with fabrication and assembly of various items of metalwork required for the rehabilitation of the small lock guard gates. Additional fabrication requirements and workmanship provisions for items specified in this section shall conform to Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

## 1.2 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 SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A 27/A 27M	(1995) Steel Castings, Carbon, for General Application
ASTM A 29/A 29M	(1999) Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished
<del>ASTM A 36/A 36M</del>	<del>(2001) Carbon Structural Steel</del>
ASTM A 148/A 148M	(2001) Steel Castings, High Strength, for Structural Purposes
ASTM A 193/A 193M	(2001b) Alloy Steel and Stainless Steel Bolting Materials for High-Temperature Service
ASTM A 307	(2000) Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
<del>ASTM A 668/A 668M</del>	<del>(1996) Steel Forgings, Carbon and Alloy, for General Industrial use</del>
ASTM B 138/B 138M	(2001) Manganese Bronze Rod, Bar and Shapes
<del>ASTM B 139/B 139M</del>	<del>(2001) Phosphor Bronze Rod, Bar and Shapes</del>
ASTM B 148	(1997) Aluminum Bronze Sand Castings
<u>ASTM B 150</u>	<u>(1999) Aluminum Bronze Rod, Bar and Shapes</u>

### 1.3 SUBMITTALS

Government approval is required for all submittals with a 'G' designation; submittals not having a 'G' designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

#### SD-02 Shop Drawings

Shop Fabricated Metal Items; G

Detail drawings shall be submitted for approval in accordance with the SPECIAL CLAUSES and Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS. Drawings shall include catalog cuts, fabrication and installation details; and type, grade, and class of materials, as appropriate. Any component part of fabricated items omitted on contract drawings or reference drawings shall be detailed by the fabricator on the shop drawings.

#### SD-03 Product Data

Miscellaneous Metals and Standard Metal Articles; G  
Shop Fabricated Metal Items; G

Lists of materials shall be submitted for approval as specified and in Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

Records that identify the disposition of approved material and fabricated items in the work must be submitted for approval as specified and in Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

#### SD-06 Test Reports

Miscellaneous Metals and Standard Metal Articles; G  
Shop Fabricated Metal Items; G

Certified test reports for material tests and analyses shall be submitted for approval as specified in Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

### 1.4 FABRICATION AND WORKMANSHIP REQUIREMENTS

Fabrication requirements and workmanship provisions for items specified in this section shall conform to the requirements of Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

## PART 2 PRODUCTS

### 2.1 MISCELLANEOUS METALS AND STANDARD METAL ARTICLES

Miscellaneous metal materials and standard metal articles shall conform to the respective specifications and other designated requirements. Sizes shall be as specified or shown. Where

material requirements are not specified, materials furnished shall be suitable for the intended use and shall be subject to approval.

### 2.1.1 Steel

2.1.1.1 Pintle Key ~~and Anchorage~~, Sleeve Nut, ~~Carbon Structural Steel~~, Gudgeon and Anchorage Eyebars, Clevis and

~~ASTM A 36/A 36M Steel.~~

2.1.1.2 Miter Bearing ~~Alloy Steel Bars Medium Carbon Steel~~

ASTM A 29/A 29M, Grade ~~1040~~ 1045, UNS ~~G10400~~ G10450.

2.1.1.3 ~~2~~ Pintle ~~and Gate Anchorage Component Steel Forgings~~, Gudgeon and Anchorage Pins ~~ASTM A 668/A 668M, Class H, carbon content not exceeding 0.35 percent, and an overall chemical composition which results in satisfactory weldability.~~

ASTM A 29/A 29M, Grade 4140, UNS G41400, heat-treated and stress-relieved to a final Brinell A hardness of 285.

2.1.1.4 ~~3~~ Pintle, Seal, Reaction Bearing, Quoin Post Reaction and Miter Post Reaction Steel Castings

ASTM A 27/A 27M, Grade 70-40, Class 1 for all rework, plus Supplementary Requirement S1, UNS J02501.

2.1.1.5 ~~4~~ Shoe Steel Casting

ASTM A 148/A 148M, Grade 105-85, plus Supplementary Requirement S1.

### 2.1.2 Bronze

2.1.2.1 Aluminum Bronze Casting

ASTM B 148, Copper Alloy UNS C95400, heat-treated and stress-relieved to a final Brinell A hardness of 190.

2.1.2.2 Manganese Bronze Rods, Bars and Shapes

ASTM B 138/B 138M, Temper H04, Copper Alloy UNS C67500.

2.1.2.3 ~~Phosphor~~ Aluminum Bronze Rods, Bars and Shapes

ASTM ~~A B 139/B 139M~~ B 150/B 150M, Temper ~~H04~~ HR50, Copper Alloy UNS ~~C51000~~ C62300.

### 2.1.3 Screws

Screws shall be of the material, grade, type, style and finish indicated or best suited for use intended.

2.1.3.1 Gudgeon Pin Cap Screw

ASTM A 193/A 193M, Grade B-3 Stainless Steel.

2.1.3.2 Pintle Bushing to Shoe Screw Dowel

ASTM A 307, Grade A Steel.

2.2. SHOP FABRICATED METAL ITEMS

Shop-fabricated metal items shall conform to the requirements and details as specified or shown on the drawings, including reference drawings where applicable, and to the workmanship provisions and other applicable fabrication requirements as specified in Section 05055 METALWORK FABRICATION, MACHINE WORK, MISCELLANEOUS PROVISIONS.

PART 3 EXECUTION (Not Applicable)

END OF SECTION





