

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
				J	1	4
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 22-Sep-2004	4. REQUISITION/PURCHASE REQ. NO. W68MD9-4258-0946		5. PROJECT NO.(If applicable)		
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT 4735 EAST MARGINAL WAY SOUTH SEATTLE WA 98134-2329	CODE W912DW	7. ADMINISTERED BY (If other than item 6) USA ENGINEER DISTRICT, SEATTLE ANGELA DEXTER PH: 206-764-6801 FAX: 206-764-6817 ANGELA.DEXTER@US.ARMY.MIL SEATTLE WA		CODE W912DW		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. W912DW-04-Q-0186	
				X	9B. DATED (SEE ITEM 11) 21-Sep-2004	
					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 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)						
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.) W912DW-04-Q-0186 Temperature and Flow Gauge, Bridgeport, Washington						
1. This Amendment one (0001) provides the following changes:						
2. The quote submittal date/time is extended to 27 September 2004 2:00 PM Local Time from 24 September 2004 11:00 AM Local Time.						
3. Add in Line Item 0002 on the Pressure Differential Gauge see attached specification.						
SEE CONTINUATION 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		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		22-Sep-2004	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

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

A. This amendment is issued to reflect the following changes to the solicitation.

1. The following line item 0002 Pressure Differential Gauges Units has been added to the solicitation with the attached specification.

QTY : 34 \_\_\_\_\_ UNIT PRICE \_\_\_\_\_ TOTAL PRICE \_\_\_\_\_

**B. The quote submittal date/time is extended to 27 September 2004 at 2:00 PM Local Time.**

Encl:  
Attached Specification

## **SPECIFICATION LINE ITEM TWO**

### Specifications Pressure Differential Gauges Units 1 thru 16

#### Scope

This specification covers the supply of pressure differential gauges to Chief Joseph Dam Project, Bridgeport, WA.

#### Low-Pressure GPM Indicating Differential Pressure Gauge/Switch

##### 1. Gauge Type:

- a. 6" dial differential pressure gauge, Ashcroft or equal.
- b. H<sub>2</sub>O ranges see Table 1.
- c. With false reading dial of 0 to xxx GPM see Table 1.
- d. Range and quantity as indicated in Table 1.

##### 2. Gauge Description:

- a. 6" dial.
- b. Low-pressure differential, GPM indicating.
- c. Stainless steel diaphragm and housing and socket material.
- d. 1/4" NPTF lower connection.
- e. Wall mounting bracket.
- f. Electric warning contacts, N.O./N.C., with separate commons.
- g. No mercury shall be permitted.

##### 3. Specifications:

- a. Gauge shall be +/- 2.5% full-scale accuracy or better, 6" diameter stainless steel case (IP54 rating) with diaphragm made from high strength cobalt alloy (Duratherm 600 = NiCrCo alloy) or equal and AISI 300 series stainless steel movement.
- b. Gauge shall permit adjustment of zero and contact set points externally from the front of the gauge without removing the gauge from its mounting.
- c. Case shall include a wall-mounting bracket.
- d. Dial shall be a false-reading, white face with black indicators with dial indicating specified GPM (Gallons per minute) see Table 1.
- e. Dial shall at least meet the recommended minimums of ASME B40.4-2001 / 7.2 thru 7.4.
- f. The dial shall be designed to prevent parallax (anti-parallax) reading errors.
- g. Gauge shall be capable of withstanding a minimum static pressure of 145 psi without sustaining damage.
- h. The electric contacts shall have adjustable set points and switch ratings shall be no less than 125V AC, 1 amp (125VDC, .5) amp resistive load max switching current.
- i. Electrical switch contacts shall be magnetic type snap-action contacts, electrically independent (separate commons) and ungrounded.
- j. Contact materials shall be silver palladium (AgPd 80/20) or better (gold).
- k. Contact wires must exit rear of case.
- l. One normally open (N.O.) and one normally closed (N.C.) contact at zero differential.

- m. Contacts shall change state at the preset values as the pointer increments clockwise.
- n. Contact materials shall be silver palladium (AgPd 80/20) or better (gold).
- o. Electrical switch ratings shall be no less than 125V AC, 1 amp (125VDC, .5 amp) resistive load max switching current.

Table 1 - Low-Pressure GPM Differential Pressure Gauge/Switch:

Quantity	Dial Range (GPM)	Inches H <sub>2</sub> O Range
Ea.17	0 – 60	100"
Ea.17	0 – 1600	300"