

2. AMENDMENT/MODIFICATION NO. 001	3. EFFECTIVE DATE April 26, 2000	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Bureau of Reclamation Lower Colorado Region P.O. Box 61470 Boulder City NV 89006-1470		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP code)	(T)	9A. AMENDMENT OF SOLICITATION NO. 00-SP-30-0018
	T	9B. DATED (SEE ITEM 11) April 7, 2000
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
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.

Offerors 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 copy 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.

(T)	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 is not, is required to sign and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

Project Title: Modifications to 168-Inch and 120-Inch Butterfly Valves, Hoover Dam, Boulder Canyon Project, Arizona - Nevada

Purpose of Amendment: The purpose of this amendment is to (a) make minor revisions to the specifications; (b) provide answers to three questions submitted by potential offerors; and (c) provide color photographs of a butterfly valve for informational purposes.

Receipt of Offers: The date and time for receipt of offers remains May 8, 2000 at 2:00 p.m., local time. The place for receipt of offers remains the Bureau of Reclamation, Lower Colorado Regional Office, Annex Building, Room AA-104, Nevada Highway and Park Street, Boulder City, Nevada.

Acknowledgment: See block 11 above regarding how to acknowledge this amendment. The acknowledgment must be received at the place designated for receipt of offers (see block 10 of the "Solicitation, Offer, and Award," Standard Form 1442).

Offer Modification: See block 11 above if you have submitted your offer and now desire to modify it or withdraw it.

(Continued on the following 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)	
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)	

Description of the Changes:

1. The answers to three questions submitted by potential offerors are provided.

Instructions: Insert the attached Questions and Answers page in the solicitation.

2. A page in the Table of Contents was revised to reflect the change in number 4. below.

Instructions: Remove pages v and vi of the solicitation and replace with the attached revised pages v and vi.

3. In Section C, references to the Operating Conditions and Testing Requirements paragraphs in the specifications have been added to paragraph C.1.2. Description of the Work.

Instructions: Remove pages C-1 and C-2 of the specifications and replace with the attached revised pages C-1 and C-2.

4. Color photographs of the N6 Butterfly Valve are provided for informational purposes.

Instructions: (1) Remove page J-1 of the solicitation and replace with the attached revised page J-1.

(2) Insert the attached photographs (3 pages plus cover sheet) as Attachment No. 4 in Section J of the solicitation.

Questions & Answers

Q1: What is the pH of the water running through the valve?

A1: The pH of the water is 7.53.

Q2: Can heat be applied to the valve during the modifications?

A2: To minimize stress in the valve body, use only enough heat to remove the babbitt over the screws, approximately 600 degrees. Use temperature sticks to check around the babbitt to minimize heated area. Allow heated areas to air cool.

Q3: If a retest of the valve is required (specifications section C.6.1.d.4.), who will pay for the retest?

A3: The Government will pay to unwater the penstock. The Contractor will pay for all labor and materials for making any modifications or adjustments to the valve for the retest (see specifications paragraph C.6.1.e.). The Government will determine the days for the adjustment and retest. The Contractor shall complete all modifications or adjustments for the retest within 72 hours. Water will likely be present in the penstock during the modifications or adjustments.

I.5	52.217-9 Option to Extend the Term of the Contract (Mar 2000)	I-4
I.6	WBR 1452.223-82 Protecting Federal Employees and the Public from Exposure to Tobacco Smoke in the Federal Workplace--Bureau of Reclamation (Oct 1998)	I-4
I.7	52.225-9 Buy American Act--Balance of Payments Program--Construction Materials (Feb 2000)	I-4
I.8	1452.225-70 Use of Foreign Construction Materials--Department of the Interior (Jul 1996)	I-7
I.9	1452.228-70 Liability Insurance--Department of the Interior (Jul 1996)	I-9
I.10	WBR 1452.228-84 Certification of Representatives for Corporate Sureties--Bureau of Reclamation (Sep 1996)	I-10
I.11	WBR 1452.231-81 Equipment Ownership and Operating Expense--Bureau of Reclamation (Jul 1998)	I-10
I.12	52.232-34 Payment by Electronic Funds Transfer--Other than Central Contractor Registration (May 1999)	I-12
I.13	52.236-1 Performance of Work by the Contractor (Apr 1984)	I-15
I.14	52.236-8 Other Contracts (Apr 1984) (Deviation)	I-16
I.15	52.244-6 Subcontracts for Commercial Items and Commercial Components (Oct 1998)	I-16
I.16	52.252-6 Authorized Deviations in Clauses (Apr 1984)	I-17

Part III - List of Documents, Exhibits and Other Attachments

Section J - List of Attachments

J.1	WBR 1452.215-904 Applicability of Documents--Bureau of Reclamation--Lower Colorado Region (Nov 1996)	J-1
J.2	WBR 1452.215-905 List of Contract Documents--Bureau of Reclamation--Lower Colorado Region (Nov 1996)	J-1
	Drawings	Attachment 1
	DOL Wage Rate	Attachment 2
	Release of Claims form (DI-137)	Attachment 3
%	Photographs	Attachment 4

Part IV - Representations and Instructions

Section K - Representations, Certifications, and Other Statement of Offerors
(This section will be removed from the contract document)

K.1	52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998)	K-1
	52.203-11 Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Apr 1991)	K-1
K.2	52.203-2 Certificate of Independent Price Determination (Apr 1985)	K-1
K.3	52.204-3 Taxpayer Identification (Oct 1998)	K-2
K.4	52.204-5 Women-Owned Business (Other Than Small Business) (May 1999)	K-3
K.5	52.209-5 Certification Regarding Debarment, Suspension, Proposed Debarment, and Other Responsibility Matters (Mar 1996)	K-4

K.6	WBR 1452.209-900 Bidder Responsibility Data--Bureau of Reclamation--Lower Colorado Region (Nov 1996)	K-5
K.7	52.219-1 Small Business Program Representations (May 1999)	K-6
K.8	52.222-22 Previous Contracts and Compliance Reports (Feb 1999)	K-7
K.9	52.223-13 Certification of Toxic Chemical Release Reporting (Oct 1996)	K-7
K.10	WBR 1452.225-903 Offers Based on Foreign Construction Materials--Bureau of Reclamation--Lower Colorado Region (Nov 1996)	K-8

Section L - Instructions, Conditions, and Notices to Offerors
(This section will be removed from the contract document)

L.1	52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998)	L-1
	52.204-6 Data Universal Numbering System (DUNS) Number (Jun 1999)	L-1
	WBR 1452.211-80 Notice of Intent to Acquire Metric Products and Services--Bureau of Reclamation (Mar 1993)	L-1
	52.214-34 Submission of Offers in the English Language (Apr 1991)	L-1
	52.214-35 Submission of Offers in U.S. Currency (Apr 1991)	L-1
	52.215-1 Instructions to Offerors--Competitive Acquisition (Feb 2000)	L-1
	52.222-23 Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity for Construction (Feb 1999)	L-1
	52.236-28 Preparation of Proposals-Construction (Oct 1997)	L-1
L.2	52.211-1 Availability of Specifications Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29 (Aug 1998)	L-1
L.3	52.211-3 Availability of Specifications Not Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions (Jun 1988)	L-2
L.4	1452.215-71 Use And Disclosure of Proposal Information--Department of the Interior (Apr 1984)	L-3
L.5	WBR 1452.215-80 Source Evaluation and Selection Procedures--Bureau of Reclamation (Jan 1998)	L-5
L.6	WBR 1452.215-81 General Proposal Instructions--Bureau of Reclamation (Jan 1998)	L-7
L.7	WBR 1452.215-82 Technical Proposal Instructions--Bureau of Reclamation (Jan 1998)	L-9
L.8	WBR 1452.215-83 Pricing Proposal Instructions--Bureau of Reclamation (Jan 1998)	L-11
L.9	1452.215-914 Period for Acceptance of Offer--Bureau of Reclamation--Lower Colorado Region (Mar 2000)	L-12
L.10	52.216-1 Type of Contract (Apr 1984)	L-12
L.11	52.225-10 Notice of Buy American Act/Balance of Payments Program Requirement--Construction Materials (Feb 2000)	L-12
L.12	WBR 1452.225-82 Notice of Trade Agreements Act Evaluations--Bureau of Reclamation (Oct 1998)	L-13
L.13	52.233-2 Service of Protest (Aug 1996) Department of the Interior (Jul 1996) (Deviation)	L-14

SECTION C - SPECIFICATIONS/DRAWINGS

SUBSECTION C.1 - GENERAL REQUIREMENTS

C.1.1. The Requirement

It is required to be constructed and completed, in accordance with the contract provisions and clauses, these specifications, and the attached drawings, design of valve body seat rings for use on all 17 Units (two 120-inch and fifteen 168-inch Butterfly Valves) and modifications to one 168-inch Butterfly Valve, all under Schedule 1 of Section B and, if options to exercise Schedules 2 through 5 of Section B are exercised by the Contracting Officer, modifications to as many as two (2) 120-inch and fourteen (14) 168-inch Butterfly Valves, Arizona and Nevada Powerplants, Boulder Canyon Project, Hoover Dam, Arizona-Nevada.

The work is located in Mohave County, Arizona, at Hoover Dam, which is on the Colorado River, approximately 7 miles via U.S. Highway 93, northeast of Boulder City, Nevada, and 32 miles southeast of Las Vegas, Nevada.

C.1.2. Description of the Work

The work included in this contract requires the Contractor to design, supply, and install new stainless steel valve body seat rings for the 168-inch-diameter and 120-inch-diameter turbine isolation butterfly valves in the Arizona and Nevada Powerplants at Hoover Dam. As indicated in subsection C.1.1 above, portions of this work are options to be exercised at the discretion of the Contracting Officer.

The principal components of the work to be performed under these specifications include the following:

- a. Removing the existing valve body seat ring(s).
- b. Transporting the seat ring(s) from Hoover Dam to the contractor's work area for use as a template.
- c. Designing and supplying a new stainless steel seat ring(s) complete with the rubber % insert(s). The new seat ring(s) shall be designed to fit with the existing components and % operate under the conditions specified in paragraph C.6.1.b.
- d. Repairing, determining the grade of machining required, and machining the surface of the existing leaf seal(s).
- e. Supplying new stainless steel seat ring retaining screws (two types) to replace the screws removed during the disassembly of the seat ring(s).
- f. Installing the new seat ring(s) with the new seat ring retaining screws.

% g. Fully adjusting, testing and readjusting the valve seats, in accordance with paragraph
% C.6.1.d.

h. Repairing and painting any valve body or valve disk surfaces damaged during performance of the work.

Government forces shall be responsible for unwatering, opening, closing, and repressurizing the penstock and providing access into the work area. Access into the work area is only through the 24-inch-diameter manhole located on the scroll case.

C.1.3. Submittal Requirements

a. General.--The Contractor shall furnish all materials to the Government, in accordance with this paragraph, Table 1A (List of Submittals), and the requirements in the provisions, clauses, and paragraphs of this solicitation.

The word "submittals" shall be interpreted to include drawings, data, manuals, certifications, samples, color chips or charts, brochures, and other items furnished by the Contractor for approval, informational, or other purposes.

b. List of submittals.--Table 1A (List of Submittals) lists the submittals required by this contract except those submittals which are required conditionally, required by entities other than the Bureau of Reclamation, or which are periodic in nature. Any submittal required to be submitted by the Contractor but which is not listed in the table shall be submitted in accordance with the applicable requirements of this contract. In case of a conflict between the requirements of this paragraph and the requirements included elsewhere in this contract, the requirements elsewhere shall take precedence over the requirements contained in this paragraph.

c. Submittals.--Each item in Table 1A has been assigned an RSN (Required Submittal Number). Each submittal by the Contractor shall include all materials required for one RSN under cover of a transmittal letter. Or, at the Contractor's option, all materials required for more than one RSN may be submitted under cover of the same transmittal letter provided they are required by the same responsible code. The Contractor's transmittal letter shall also include:

- (1) Reference to Bureau of Reclamation contract numbers.
- (2) Complete list of RSN(s) for which material is being submitted.
- (3) Identification of responsible code for each RSN as listed in Table 1A.
- (4) List of materials being submitted under each RSN.
- (5) Identification of the submittal as an original submittal for the RSN(s) or a resubmittal.

Each drawing submitted by the Contractor shall have the Contractor's or supplier's title and drawing number on it. Drawings and data shall be marked with the Bureau of Reclamation solicitation number and the Schedule item number.

SECTION J - LIST OF ATTACHMENTS

J.1 WBR 1452.215-904 Applicability of Documents--Bureau of Reclamation--Lower Colorado Region (Nov 1996)

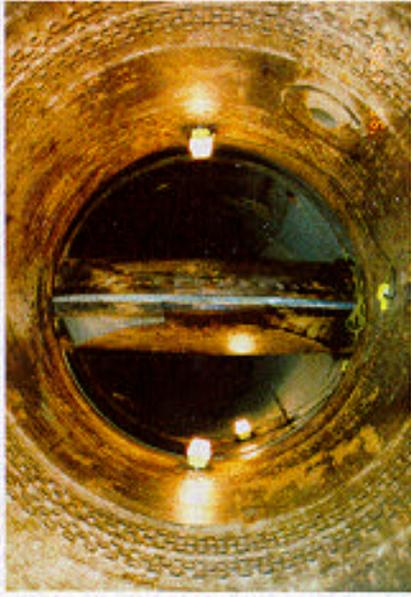
The documents, exhibits, and other attachments which are identified in this Section J, apply to and are a part of this contract. In the event that any document is missing in whole or in part from this document when received, the Contracting Officer shall be notified immediately.

J.2 WBR 1452.215-905 List of Contract Documents--Bureau of Reclamation--Lower Colorado Region (Nov 1996)

Attachment No.	Title	No. of Pages
1.	Drawings	17
2.	Department of Labor Wage Rate	7
3.	Release of Claims form (DI-137)	1
% 4.	Photographs	3

Attachment 4

Photographs



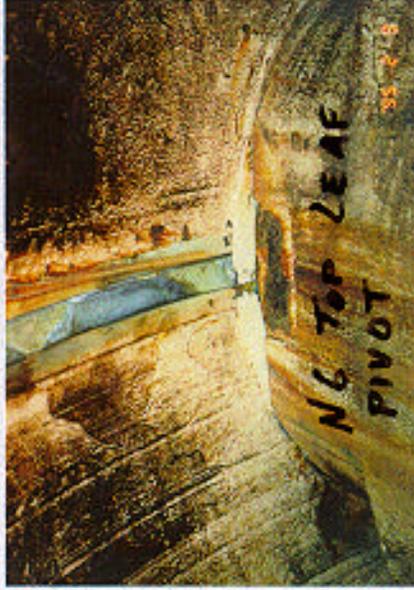
Unit N6
Butterfly valve



Unit N6
Butterfly valve

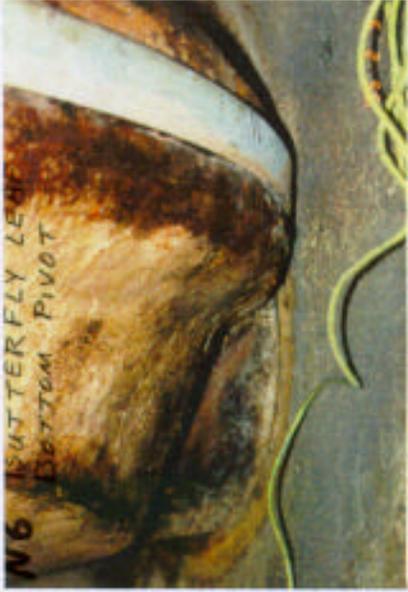


N6 Top leaf
pivot showing
leaf seal



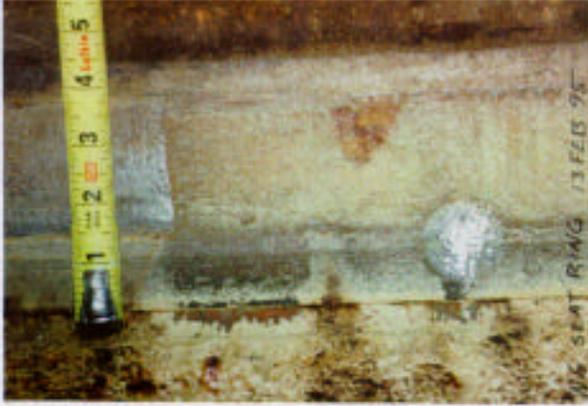
N6 Top leaf
pivot showing
the valve body
seat ring

N6 leaf seal at
bottom pivot



N6 seat ring

N6 seat ring



N6 seat ring

N6 seat ring



N6 leaf seal



N6 leaf seal