

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 26-Jan-2004	4. REQUISITION/PURCHASE REQ. NO. W62N6M32757479	1 10	
6. ISSUED BY USACE SACRAMENTO DISTRICT ATTN: CONTRACTING DIVISION 1325 J STREET SACRAMENTO CA 95814-2922	CODE W91238	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W91238-04-Q-0044	
		X	9B. DATED (SEE ITEM 11) 14-Jan-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 type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>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:</p> <p>(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 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.</p>				
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.) INSTALLATION OF 20" EMERGENCY VALVE, WARM SPRINGS DAM, LAKE SONOMA, SONOMA COUNTY, CA. NOTE: THE DATE OF RECEIPT OF REQUEST FOR QUOTATION HAS BEEN EXTENDED TO 2 FEBRUARY 04. ENCL) SCOPE OF WORK.				
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) RONALD J MILLER / CONTRACTING OFFICER TEL: 916-557-5205 EMAIL: Ronald.J.Miller@usace.army.mil		
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 26-Jan-2004	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 29-Jan-2004 05:00 PM to 02-Feb-2004 05:00 PM.

SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

The following have been modified:

STATEMENT OF WORK

**INSTALLATION OF AN EMERGENCY SHUTDOWN VALVE
LAKE SONOMA**

Statement of Work

AUGUST 2003

PART A – GENERAL

1. BACKGROUND. The following contract shall be performed and completed in Sonoma County at Warm Springs Dam.

2. INTRODUCTION.

a. The Contractor will furnish all labor, materials, equipment, transportation, and supplies necessary install a 20 inch Emergency Shutdown Valve at the bottom of the wet well at Warm Springs Dam, Lake Sonoma. The valve shall be configured to act as the Emergency Shutdown Valve for the Fishery Pipeline. The government will provide no materials or supplies. The Contractor is responsible for all costs related to performing this contract and its successful completion. Services to be performed are as specified.

b. All work, materials, and equipment will be subject to the control and approval of the Contacting Officer's Representative.

3. SITE VISIT

a. Bidders are strongly recommended to visit the site to become familiar with the location and work before making a bid. Quoters should contact Perry Crowley, Park Manager to visit the Lake before submitting your quoted price, and receive directions to the Lake. .

b. In no event will a failure to inspect the site constitute grounds for a claim after award of the contract.

4. WORK SCHEDULE. Work shall be performed Monday through Friday between the hours of 8:00 a.m. and 4:00 p.m. unless requested in writing and approved in writing from the Contacting Officer's Representative.

5. MATERIALS, SUPPLIES & EQUIPMENT.

a. The Contractor is responsible for all material in his possession and is accountable for any loss, damage, or misuse.

6. DELIVERIES. Government personnel will not accept deliveries of materials that are to be used by the Contractor.

7. CONTRACTOR INSPECTION. The Contractor shall inspect work performed by any Subcontractors under them. The Contractor shall ensure the Subcontractor employees' work performance is in accordance with contract specifications and safety regulations.

9. SUBMITTALS. The contractor shall submit shop drawings with applicable illustrations, schedules, performance charts, instructions, brochures, diagrams, and other information to illustrate the design requirements and operation of the system. The Contractor shall provide the submittals to the Contracting Officer's Representative for approval. The Contractor will not be permitted to start the installation work until all submittals have been submitted and approved by the Contracting Officer's Representative. The Contracting Officer's Representative will issue the Contractor a written order to proceed with the installation work after all submittals are accepted and approved.

10. WARRANTY. All equipment shall be guaranteed for a period of 2 years from the date of acceptance. Replacement parts shall be guaranteed for 2 years from date of replacement. Warranty shall be against defective materials, design, and workmanship. In cases where the equipment manufacturer's advertised minimum guarantee is in excess of 2 years, it shall remain in force for its full period. Upon receipt of notice from the Government of failure of any of the parts during the warranty period, new replacement parts shall be furnished and installed promptly at no additional cost to the Government.

PART B - CONTRACTOR SERVICE/SUPPLY REQUIREMENTS

1. GENERAL CONSTRUCTION.

a. On-Site Storage. The Contractor shall coordinate with the Contracting Officer's Representative on where they may store their equipment & materials.

b. Downtime. The Contractor shall coordinate with the Contracting Officer's Representative prior to taking the Emergency Water Supply Line off-line. The Contracting Officer's Representative will specify the duration that the system may be off-line based on projected water release requirements.

c. Scheduling of Work. The Contractor shall coordinate scheduling of work with the Contracting Officer's Representative. Work shall be completed within 75 days after award.

2. SCOPE OF WORK.

a. Install New Emergency Water Supply Line Valve. The shutoff valve shall be a 20-inch high performance butterfly valve, rated at ANSI class 150. The valve shall have a fully lugged carbon steel body, stainless steel disc, 17-4 stainless steel stem, and PTFE or RTFE seat, and shall feature a double offset design. Leakage of the valve shall be bi-directional bubble-tight in accordance with ANSI/FCI 70-2. The valve shall have a minimum flow coefficient (Cv) of 13,200 when fully open. Face to face dimensions shall be in compliance with MSS SP68, and two 20-inch class 150 raised face slip-on flanges

conforming to ANSI B16.34 shall be provided for mating the valve to the existing 20" pipeline. All valve materials shall have no harmful effect on potable water. The valve shall be a Crane Flowseal Soft Seat HPBFV, Fisher Posi-Seal Type 31A, W-K-M DynaCentric Series A5100 or an approved equal.

Valve operation shall be provided by means of a pneumatic operator.

Operator shall be sized to provide 1.5 times the maximum opening and closing torque requirements at a flow rate of 280 cfs and a differential head of 230 ft and an air pressure of 80 psi.

However, the following discussion will allow much lower operating criteria: Assuming the reservoir pool is at max pool 495 ft, and the pipe breaks at the lower level of the intake tower, the resulting discharge through the pipe could reach as high as 280 cfs (over 100 ft/s) with considerable negative pressures occurring upstream of the new ball valve when linearly closing the valve over a 7 sec time period. Such a "worse case" scenario indicates the pipe could be lost upstream of the new valve. To prevent rapid increase in discharge from a pipe break, the Corps installs an acoustic flow meter on the upstream side of the new valve to sense the increase in velocity assume the Corps installs an acoustic flow meter on the downstream side of the new valve to sense the increase in velocity and send a signal to the valve when necessary. Then when the velocity doubled (Q=50 cfs), the signal would be given to the ball valve to close. The increase from 25 to 50 cfs occurs in about 1.5 sec after pipe failure. A linear closure of the ball valve still leads to a high discharge (150 cfs) and potentially high negative pressures on the downstream side of the valve. One scenario that looks acceptable is to close the ball valve to an angle of 70 degrees (from 0 degrees at full open) in 2 seconds, then close to 90 degrees in next 5 seconds. This keeps the upstream pressure rise to about 3.5 psi and the maximum pipe discharge to 81 cfs (37 ft/s) during the time of closure. This operation or a similar operation will be adopted for the closure of the valve.

The valve operation circuit shall include all gages, valves, tubing and appurtenances to provide failsafe operation of the 20-inch valve. The contractor shall provide and install a corrosion resistant and NEMA 4 Enclosed valve position monitor that is capable of displaying exact valve position from any quadrant at a distance of 50 feet. A 3/8 inch 3 way NC solenoid operated/spring return lockout valve shall be provided which shall be equipped with a means of locking it out with a padlock in order to prevent accidental actuation. An accumulator shall be provided which will have a capacity 1.5 times that required to fully open the 20 inch valve from a closed position in the event of a total loss of compressed air.

Control valve to be fitted with manual latch, which controls valve on closure. Butterfly valve may not be reopened until control is manually freed, regardless of command signal. Control valve package to include Filter/Regulator/Lubricator Airset, for reliable long term operation.

Dye penetrant inspection shall be conducted on all welds.

The Government shall supply compressed air. The contractor must supply fitting and tubing to Government supplied air compressor 3/4".

The attached drawing indicates the approximate location of the valve and support. The actual location should be as close to the existing chain operated valve as possible while allowing both valves to be operated through their full travel while the other valve is in any position.

The attached drawing further defines location of installation.

The valve shall be configured to automatically shut due to loss of signal.

Testing. The Contractor shall operate the Emergency Shutdown Valve to the Governments satisfaction.

h. Documentation. The Contractor shall furnish three complete sets of instructions containing the manufacturer's operation and maintenance instructions for each piece of equipment to the Contracting Officer's Representative. The instructions shall include, but not be limited to, the following:

(1) System layout drawings showing piping, valves, and controls.

(4) Operating and maintenance instructions. (The operation and maintenance manual shall contain all information that may be needed or useful for operation, maintenance, repair, dismantling or assembling, and for identification of parts for ordering replacements.)

(5) Manufacturer's bulletins, catalog cuts, and descriptive data.

(6) List of Materials: Not all inclusive. Contractor is required to supply all materials required to install and operate an Emergency Shut-off Valve based upon signal. The following major parts are required:

PART NO.	EST NO. REQ'D	DESCRIPTION	MATERIALS	SPECIFICATIONS NO.	REMARKS
1	1	20 " Emergency Shutdown Valve fitted with pneumatic actuator for Emergency Shutdown Operation (see scope of work for further details)			(see scope of work for further detail: (see scope of work for further detail:
2	2	20" MATING RING FLANGE TO SUIT	STEEL	AWWA C-207 CLASS D	PAINT SYSTEM 2
3	1	6" SCH. 40 PIPE SUPPORT COLUMN, LENGTH TO SUIT, WITH NUTS TO SUIT	STEEL	ASTM A 53	PAINT SYSTEM 2
4	2	12"x12"x3/4" THICK BASE PLATE	STEEL	ASTM A 36	PAINT SYSTEM 2
5	8	3/4" 0 ANCHOR BOLT, ADHESIVE TYPE LENGTH TO SUIT, WITH NUTS TO SUIT	GRAVANIZED STEEL	ASTM A 307	ONE IN EACH CORNER OF 26
6	1	3/4" THICK SUPPORT TO SUIT 2	STEEL	ASTM A 36	PAINT SYSTEM 2

3. CLEAN UP.

- a. All debris generated as a result of this contract shall be removed at the end of each working day.
- b. The entire work area shall be cleaned of all leftover construction materials and miscellaneous items at the end of the job.
- c. Waste oil and oily rags will be disposed of off the government property and in a proper and legal manner.

PART C - HEALTH AND SAFETY REQUIREMENTS

1. WORK SAFETY. All work must be done in a safe manner, meeting all current OSHA regulations, and requirements contained in EM 385-1-1, Safety and Health Requirements Manual. Work will also comply with any other applicable Federal, State, and local codes. If conflicts arise between standards then the most stringent will apply.

2. AREA SAFETY. The work to be performed is within the boundaries of public recreation areas and the attention of the Contractor and his employees is directed to the need for extreme caution and care while driving and/or operating equipment in these locations.

3. PERSONNEL. The Contractor will furnish competent, safety conscious personnel. If employees prove to be incompetent, the Contractor will remove them and provide satisfactory employees.

4. EQUIPMENT.

a. The equipment used by the Contractor for the specified service will be in satisfactory operating condition and will be maintained in this condition. The Government reserves the right to require the Contractor to discontinue the use of unsatisfactory equipment and to require that all such equipment be replaced. The decision of the Contracting Officer's Representative as to serviceability of the equipment will be final.

b. Equipment must meet current Federal, State, and local safety requirements and all applicable requirements of EM 385-1-1, Safety and Health Requirements Manual.

c. The Contractor shall conduct a pre-work safety inspection of all equipment daily.

d. All vehicles must be equipped with an approved warning device that will operate during the time the vehicle is backing up.

5. PRE-WORK MEETING. The Contractor will attend a pre-work meeting with the Contracting Officer's Representative prior to commencement of work to discuss contract requirements.

6. PROTECTION OF GOVERNMENT FACILITIES. The Contractor will be responsible for restoring any Government facilities or property damaged as a result of Contractor's operations. Reasonable care will be used to avoid damage to existing structures, equipment, facilities, and vegetation in the areas serviced. Any damage will be repaired or the items replaced, as directed by the Operations Manager, at no cost to the Government. If the Contractor does not make such repair or replacement, the cost thereof will be deducted from normal contract payments.

7. UNSAFE CONDITIONS. Work will be halted by the Contracting Officer's Representative if an unsafe condition exists or will develop if work continues. The Contractor will have no basis for compensation should such a work stoppage cost the Contractor damages. Work may not resume until the condition is corrected in a safe manner.

PART D - REPORTING REQUIREMENTS

1. CERTIFICATION. The Contractor must hold any licenses or certifications required by the State of California and be registered with the local county as needed, and provide proof of any certification before the start of work. The Contractor is responsible for any permits required to perform services.

2. SAFETY EXPOSURE DATA. The Contractor shall submit a Safety Exposure Report, SPD Form 94, to the Contracting Officer's Representative at the end of the job. A copy of Form 94 is attached as Appendix B.

3. MATERIAL SAFETY DATA SHEET (MSDS). The Contractor shall submit a MSDS and product information sheet or label for each chemical used/brought on-site. This information shall be given to the Contracting Officer's Representative before work begins.

4. ACCIDENT RECORDS. The Contractor shall maintain an accurate record of, and will report to the Contracting Officer's Representative in the manner and on the forms prescribed by the Contracting

Officer's Representative, all accidents resulting in death, traumatic injury, occupational disease, and damage to property, materials, supplies, and equipment incidental to work performed under this contract.

5. CALL-OUT NUMBER. The Contractor shall maintain a telephone number and means of contact during normal business hours, Monday through Friday. The contact may be a person or an answering service or machine. If an answering service or machine is used, the Contractor shall respond within a 24-hour period. Once the Corps has notified this contact, the Contractor will be considered officially notified when called for problems or other work related items.

PART E - GOVERNMENT ACTION AND INSPECTION

1. DEFINITIONS. "Services" as used in this clause, includes work or services performed, workmanship, and materials furnished or utilized in the performance of services.

2. RIGHTS. The Government has the right to inspect and test all services called for by the contract, to the extent possible at all times and places during the term of the contract. The Government will perform inspections in a manner that will not unduly delay the work.

3. INSPECTION. The Contractor must be present during the final inspection of the work by Federal, State, or local inspectors. Any deficiencies noted during the inspection will be corrected by the Contractor before final payment will be authorized.

4. NON-COMPLIANCE. If any of the services do not conform to contract requirements, the Government may require the Contractor to perform the services again in conformity with contract specifications, at no increase in contract amount. When the defects in services cannot be corrected by re-performance, the Government may:

a. require the Contractor to take necessary action to ensure that future performance conforms to contract requirements and,

b. reduce the contract price to reflect the reduced value of the services performed.

5. REPEATED NON-COMPLIANCE. If the Contractor fails to promptly perform the services again or to take the necessary action to ensure future performance in conformity with contract requirements, the Government may:

a. by contract or otherwise, perform the services and charge to the Contractor any cost incurred by the Government that is directly related to the performance of such service or,

b. terminate the contract for default.

SAFETY EXPOSURE REPORT (USACE Supplement 1 to AR 385-40)	Date																														
INSTRUCTIONS																															
1. Enter the following exposure data: a. Man hours worked per certified payroll report. b. Month – Year 2. Report shall be delivered to the Contracting Officer’s Representative by the 19 th of each month. 3. Please check appropriate box: ? Check if report is final. ? Accidents during the month. (Lost Time Personal Injury and Property Damage) List accidents on the back of the form. Indicate worker’s name, date of accident, and days lost for personal injury accidents. ? Worker’s Compensation Claim Report submitted. ? 50% ? 100%																															
THRU ? RESIDENT ENGINEER ? PROJECT ENGINEER ? PROJECT MANAGER (PARK/LAKES ONLY)	TO SAFETY & OCCUPATIONAL HEALTH OFFICE																														
SIGNATURE																															
PRIME CONTRACTOR NAME _____	SUB-CONTRACTOR NAME _____																														
CONTRACT NUMBER																															
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(End of Summary of Changes)