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Department of Utilities  
Engineering Services Division

CITY OF SACRAMENTO  
CALIFORNIA

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Sacramento, CA 95822-2911  
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December 19, 2000



City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: E A FAIRBAIRN WATER TREATMENT PLANT INTAKE MODIFICATION PROJECT (ZF47): SUSPEND COMPETITIVE BIDDING AND AUTHORIZE THE PREQUALIFICATION OF CONSTRUCTION CONTRACTORS**

**LOCATION: E A Fairbairn Water Treatment Plant (City Wide)**

**RECOMMENDATION:**

Staff recommends that the City Council suspend competitive bidding and authorize the Department of Utilities to use a prequalification procedure to select contractors eligible to bid and construct the E A Fairbairn Water Treatment Plant Intake Modification project.

**CONTACT PERSON:** Gary A. Reents, Engineering Services Manager, 264-1433  
Gary E. Gosse, Supervising Engineer, 264-1426

**FOR COUNCIL MEETING OF:** January 2, 2001

**SUMMARY:**

Due to the nature of the E A Fairbairn Water Treatment Plant Intake Modification Project, staff believes that in the best interest of the City, construction contractors and certain subcontractors bidding on the intake modification project should be prequalified by the Department of Utilities. The prequalification determination would be based on each submitting contractor's capabilities, experience with similar construction projects, timely and successful project completion record, qualified superintendent availability, bonding



CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES

*Making a Difference in Your Neighborhood*

City Council  
Prequalification of Contractors (ZF46)  
December 19, 2000

capacity, and insurance coverage. After the project is bid, staff will return to the City Council with a recommendation to award to the contract to the lowest responsible prequalified bidder.

**COMMITTEE/COMMISSION ACTION:** None

**BACKGROUND INFORMATION:**

The existing intake pump station for the E A Fairbairn Water Treatment Plant (Fairbairn WTP) is located on the American River approximately 2000 feet downstream of the Howe Avenue Bridge. The Fairbairn WTP along with intake began operating in 1964. The existing intake structure was designed and constructed to meet the standards for fish screens in effect at that time.

The fish screens on the Fairbairn WTP intake do not meet current fish screen criteria established by California Department of Fish and Game and the National Marine Fisheries Service and need to be replaced. On June 27, 2000 the City Council approved the Fish Screen Replacement Project, which includes replacement of fish screens at the Fairbairn WTP and at the Sacramento River WTP.

The Fairbairn WTP intake is to be modified to be in compliance with present day standards for fish screens as well as restore its original design diversion capacity of 200 million gallons per day. Modification of the intake will involve replacing the twelve existing fish screens (3/8-inch openings) with new screens (1.75-inch openings) plus installing six more screens on an extended portion of the intake structure. The intake extension is to be in the form of an open pump bay with space for three more pumps to supplement the six existing pump bays.

**ENVIRONMENTAL CONSIDERATIONS:**

An Environmental Assessment/Initial Study was prepared and circulated for the Fairbairn WTP Intake Modification Project consistent with the requirements of the California Environmental Quality Act. A Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan was adopted by the City Council on June 27, 2000. A Notice of Determination was filed on June 29, 2000 with the Sacramento County Clerk/Recorder.

City Council  
Prequalification of Contractors (ZF46)  
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**FINANCIAL CONSIDERATIONS:**

The estimated construction cost for the Fairbairn WTP Intake Modification Project is \$10 million. The Department of Utilities proposes to finance the construction through a revenue bond issue. In addition, a federal grant has been approved under the Central Valley Project Improvement Act to assist the City with financing the Project.


**POLICY CONSIDERATIONS:**

The Fairbairn WTP Intake Modification Project, as part of a project to replace the fish screens on the City's water intakes, is a key component in the upgrading of the City's water supply facilities. The Project will bring the City into compliance with current fish screen standards of the California Department of Fish and Game and the National Marine Fisheries Service.

**ESBD CONSIDERATIONS:**


After the prequalification process is completed, the Project will be bid in accordance with the City's ESBD requirements.

Respectively submitted,



Gary A. Reents  
Engineering Services Manager

**RECOMMENDATIONS APPROVED:**

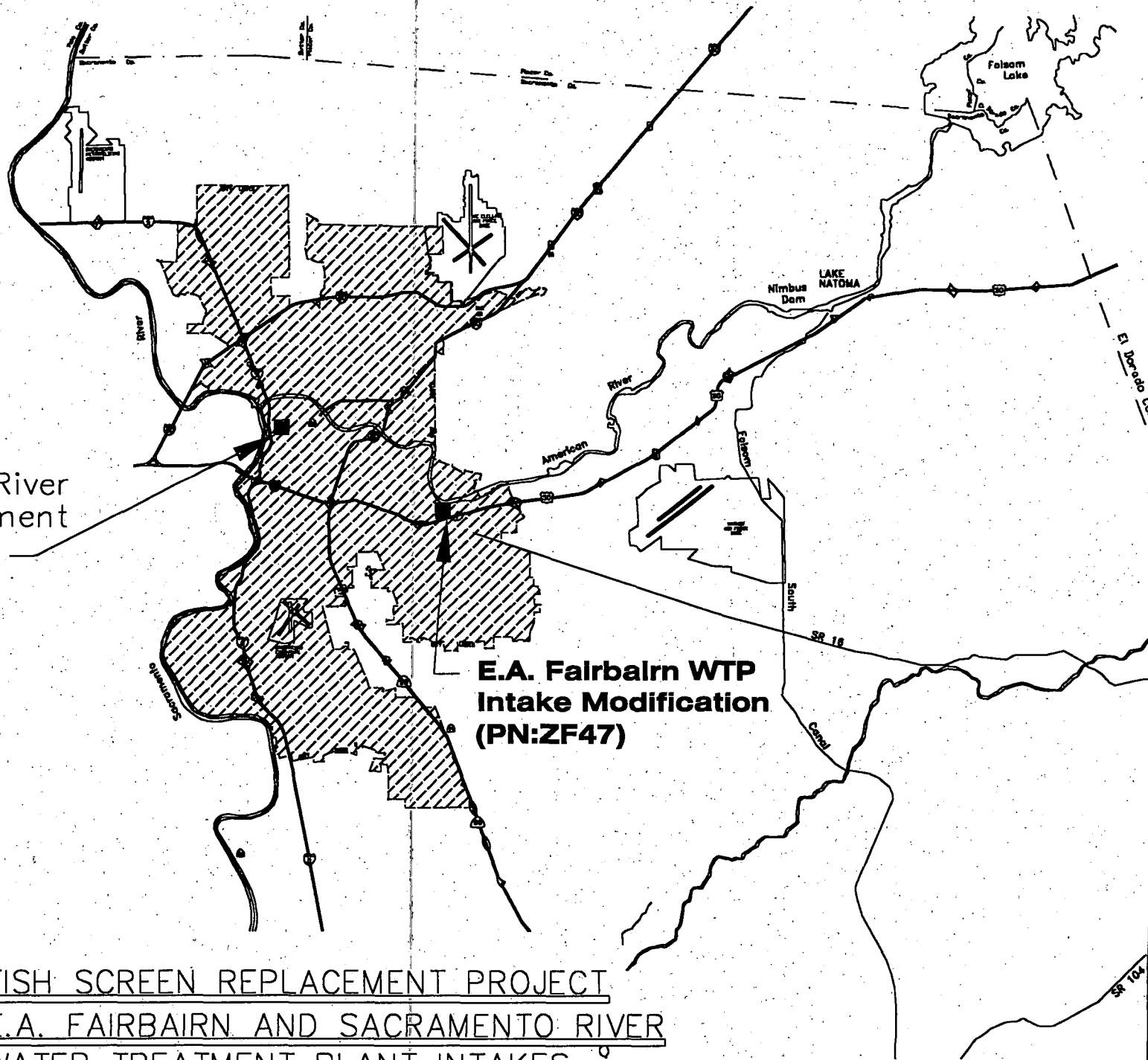


Robert P. Thomas  
City Manager

**APPROVED:**



James G. Sequeira  
Director of Utilities



Sacramento River  
WTP Replacement  
Intake

**E.A. Fairbairn WTP  
Intake Modification  
(PN:ZF47)**

FISH SCREEN REPLACEMENT PROJECT  
E.A. FAIRBAIRN AND SACRAMENTO RIVER  
WATER TREATMENT PLANT INTAKES

September 2000

**RESOLUTION NO. 2001-008**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_



**A RESOLUTION SUSPENDING COMPETITIVE BIDDING AND AUTHORIZING THE DEPARTMENT OF UTILITIES TO USE A PREQUALIFICATION PROCEDURE TO SELECT CONSTRUCTION CONTRACTORS AND SUBCONTRACTORS TO BE ELIGIBLE TO BID ON THE E A FAIRBAIRN WATER TREATMENT PLANT INTAKE MODIFICATION PROJECT (PN:ZF47)**

**BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:**

In the best interests of the City, competitive bidding is hereby suspended for the E A Fairbairn Water Treatment Plant Intake Modification Project (PN:ZF47). The Department of Utilities is hereby authorized to use a prequalification procedure to select construction contractors and subcontractors that are to be eligible to bid on the Project.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

**FOR CITY CLERK USE ONLY**

RESOLUTION NO.: \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_

**CITY OF SACRAMENTO  
DEPARTMENT OF UTILITIES**

**Sacramento, California**

**E.A. FAIRBAIRN WATER TREATMENT PLANT  
INTAKE STRUCTURE MODIFICATION PROJECT**

**City Project No. PN: ZF47**

**PREQUALIFICATION DOCUMENT FOR  
CONTRACTORS AND SUBCONTRACTORS**

**December 2000**

**Montgomery Watson**

**Sacramento, California**

**E.A. FAIRBAIRN WATER TREATMENT PLANT  
INTAKE STRUCTURE MODIFICATION PROJECT  
CONTRACTOR AND SUBCONTRACTOR PREQUALIFICATION**

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## NOTICE TO CONTRACTORS AND SUBCONTRACTORS

Sealed Prequalification Submittals will be received at the Department of Utilities, Engineering Services, City of Sacramento (City), up to the hour of 2:00 PM on January 25, 2001 for Contractor and Subcontractor prequalification. The Prequalification Submittals will be evaluated as soon thereafter as business allows.

The E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project consists of two components: (1) an intake structure extension consisting of construction of a poured-in-place reinforced concrete intake structure, complete with fish screens and raw water pumping, within a sheet pile cofferdam enclosure located in the American River, and (2) modifications to the existing intake structure necessary to bring it into compliance with current fish screen regulations. Electrical work consists of replacement of 4,160 volt switchgear and six 4,160 volt motor starters, addition of three 4,160 volt motor starters, 480 volt work, and 240/120 volt work. Architectural work involves replacing the existing exterior walls and roof to match the architecture of the intake extension. The raw water diversion capacity of the intake following completion of the work will be 200 million gallons per day (mgd). The current estimated construction cost of the project is \$10 million.

Prequalification documents may be obtained from:

Century Graphics  
4261 Auburn Boulevard  
Sacramento, CA 95841  
Phone No. (916) 972-0606  
FAX No. (916) 482-9162

The prequalification procedure will be used to select Contractors to bid the construction of the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project (Project). In addition, the prequalification procedure will be used to select Subcontractors to construct the following portions of the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project:

- Sheet Piles for the Cofferdam Enclosure
- Structural Piles
- Electrical

Contractors and Subcontractors previously prequalified for the City of Sacramento's Sacramento River Water Treatment Plant Replacement Intake Project are automatically prequalified for the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project. A list of these automatically prequalified Contractors and Subcontractors is given in Appendix A of the Prequalification Document. No submittal information is requested from previously prequalified Contractors and Subcontractors.

## Notice to Contractors and Subcontractors

Prospective Contractors not previously prequalified may nominate prospective Subcontractors not previously prequalified in the Contractor's Prequalification Submittal. Prospective Subcontractors not previously prequalified will be considered for prequalification only if they are nominated by prospective Contractors that are successfully prequalified. During the bidding phase of the Project, any prequalified Contractor may use any prequalified Subcontractor whether or not the prequalified Contractor nominated the prequalified Subcontractor.

Any prospective Contractor not previously prequalified that desires to perform any of the above portions of the work with its own forces must be prequalified for that portion of the work. Prospective Contractors submitting a Prequalification Submittal must include the information requested of prospective Subcontractors as specified in the Submittal Information section in addition to the information requested of the Contractors.

Except for Subcontractors performing work for which no prequalification is required, only those Contractors and Subcontractors previously prequalified for the Sacramento River Water Treatment Plant Replacement Intake Project, or selected for prequalification by the City through this prequalification procedure, will be eligible to participate in the subsequent phases of this Project. For Contractors and Subcontractors not previously prequalified, failure to provide a written Prequalification Submittal for the prequalification evaluation precludes participation in the subsequent bidding and construction phases of this Project. Contractors are also advised that the act of providing a Prequalification Submittal does not, in itself, guarantee that prequalification will be granted; nor does the nomination of a Subcontractor in a Prequalification Submittal guarantee that prequalification will be granted to the prospective Subcontractor.

Parties submitting Prequalification Submittals will be notified whether or not they qualify. Prequalified Contractors and Subcontractors will be identified in the subsequent Notice Inviting Bids for the construction phase of the Project.

This prequalification procedure is being conducted solely for the purpose of identifying qualified Contractors and Subcontractors eligible to bid on this Project. A determination that a Contractor or Subcontractor is not prequalified to bid on this Project shall not reflect on that Contractor's or Subcontractor's responsibility or ability to perform on any other project.

Prospective Contractors and Subcontractors are advised that requirements of the Contract Documents will include compliance with the City of Sacramento's mandatory Emerging and Small Business Enterprises (ESBE) Requirements.

Prequalification proposals shall be submitted complete and in accordance with the requirements of the Prequalification Document.

The City reserves the right to postpone, modify or cancel the Prequalification Document and/or prequalification process at any time.

## Notice to Contractors and Subcontractors

Questions about the Contractor and Subcontractor Prequalification may be submitted to Mr. Gary E. Gosse, Project Manager, at the following address:

Department of Utilities  
Engineering Services Division  
1395 35<sup>th</sup> Avenue  
Sacramento, CA 95822  
Phone No. (916) 264-1426  
FAX No. (916) 264-1497

- END OF NOTICE -

## INSTRUCTIONS FOR PREQUALIFICATION SUBMITTALS

### 1.1 PREVIOUSLY PREQUALIFIED CONTRACTORS AND SUBCONTRACTORS

Due to the similarity of the two projects, Contractors and Subcontractors previously prequalified for the City of Sacramento's Sacramento River Water Treatment Plant Replacement Intake Project are automatically prequalified for the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project. A list of these automatically prequalified Contractors and Subcontractors is attached as Appendix A of this Prequalification Document. No submittal information is requested from these previously prequalified Contractors and Subcontractors.

### 1.2 DELIVERY OF PREQUALIFICATION SUBMITTAL

The Prequalification Submittal shall be enclosed in a sealed package. The Prequalification Submittal shall be mailed or delivered to the following location:

City of Sacramento  
Department of Utilities  
Engineering Services Division  
1395 35<sup>th</sup> Avenue  
Sacramento, CA 95822

The outside of the package shall plainly identify the subject of the submittal (Contractor and Subcontractor Prequalification); the project title (E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project; PN: ZF47); and the name, address, and telephone number of the Contractor. Each Prequalification Submittal shall include a Prequalification Submittal Form (copy enclosed in this document) completely filled in and signed by a duly authorized representative of the Contractor.

### 1.3 PREPARATION OF PREQUALIFICATION SUBMITTAL

Each Prequalification Submittal shall be assembled in one 3-ring binder per copy with a Title Page, Table of Contents, and Section Dividers. The submittal information shall be presented in the order requested under Submittal Information and each item of requested information shall be separated by section dividers. All pages shall be punched and printing shall be arranged so that punching does not obliterate any data. Oversize drawings (larger than 11 inches by 17 inches), if provided, shall be folded and inserted in plastic carriers. Six copies of the Prequalification Submittal shall be delivered.

### 1.4 WITHDRAWAL OF PREQUALIFICATION SUBMITTAL

A Prequalification Submittal may be withdrawn by written request to the City's Project Manager if such request is received prior to the scheduled receipt date and time.

## Instructions for Prequalification Submittals

### 1.5 LATE PREQUALIFICATION SUBMITTAL

Any Prequalification Submittal received after the scheduled receipt date and time will not be considered and will be returned to the Contractor unopened.

### 1.6 INVESTIGATION

A general description of the project entitled E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project is attached in Appendix B - Project Description. A Contractor submitting a Prequalification Submittal shall make all investigations necessary to inform itself regarding the information to be furnished.

### 1.7 INTERPRETATION OF INFORMATION

If any Contractor contemplating the preparation of a Prequalification Submittal is in doubt as to the true meaning of any part of this Prequalification Document, or finds discrepancies or omissions, the Contractor may submit to the City's Project Manager, Mr. Gary E. Gosse, a written request for an interpretation or correction. The person submitting the request will be responsible for prompt delivery. Requests must be received a minimum of seven working days prior to the date of receipt of the Prequalification Submittals. Any interpretation or correction of the Prequalification Document will be made only by an addendum. Each addendum will be mailed or delivered to all holders of the Prequalification Document. The City will not be responsible for any other explanations or interpretations of the prequalification document.

### 1.8 DETERMINATION

The City will evaluate the information submitted by each Contractor as described under Basis of Determination and the City will evaluate the capability and qualifications of each Contractor. The City shall be the sole judge as to the adequacy of each Contractor and the City's decision shall be final.

Evaluation of the Prequalification Submittals and determination of prequalified Contractors is scheduled to be completed within a reasonable period of time after the receipt of Prequalification Submittals. At the end of the evaluation period, each Contractor shall be notified of their status by registered mail "Return Receipt Requested".

### 1.9 EXCLUSION OF COST QUOTATIONS

The Prequalification Submittal is a request for information, not a cost proposal. Contractors are advised that a formal or informal cost quotation for the project is not requested by the City and should not be included with the Prequalification Submittal. Any such information furnished will not be considered.

## **Instructions for Prequalification Submittals**

### **1.10 JOINT VENTURES**

Each party to a joint venture must be separately prequalified in order for the joint venture to be prequalified.

### **1.11 CONTRACTOR/SUBCONTRACTOR EXPERIENCE**

Where this Prequalification Document requests information pertaining to the Contractor's or Subcontractor's experience on projects of similar type, complexity and comparable value, the information provided in the Prequalification Submittal shall demonstrate the experience of the business entity identified as the Contractor or Subcontractor. Experience acquired by the Contractor's and Subcontractor's current employees when they worked for a different business entity shall not be attributed to the Contractor or Subcontractor for purposes of evaluating the Contractor's and Subcontractor's qualifications under this Prequalification Document.

### **1.12 EFFECT OF PREQUALIFICATION**

Except for Subcontractors performing work for which no prequalification is required, only those previously qualified Contractors and Subcontractors listed in Appendix A and those Contractors and Subcontractors selected for prequalification by the City through this prequalification procedure shall be eligible to bid and perform work on the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project.

- END OF SECTION -

**PREQUALIFICATION SUBMITTAL FORM**

TO: DEPARTMENT OF UTILITIES  
ENGINEERING SERVICES DIVISION  
1395 35<sup>TH</sup> AVENUE  
SACRAMENTO, CA 95822

FOR: CITY OF SACRAMENTO - E.A. FAIRBAIRN WATER TREATMENT PLANT  
INTAKE STRUCTURE MODIFICATION PROJECT; PREQUALIFICATION  
DOCUMENT FOR CONTRACTORS AND SUBCONTRACTORS

THE UNDERSIGNED CONTRACTOR HEREBY AGREES AND DECLARES THAT:

**2.1 DETERMINATION OF PREQUALIFICATION**

Receipt of this Prequalification Submittal by the City does not constitute either a direct or implied guarantee to the Contractor that prequalification is or will be granted. The undersigned agrees to the procedures and conditions of the prequalification requirements described in the Prequalification Document.

**2.2 COMPLETENESS AND ACCURACY**

All statements and information contained in this Prequalification Submittal are complete and accurate. The Prequalification Submittal contains no false or deliberately misleading information.

**2.3 CLOSING STATEMENT**

A. The undersigned is a legally authorized representative of the Contractor.

B. Legal name of Contractor: \_\_\_\_\_

C. License number of Contractor: \_\_\_\_\_

D. Type of firm:

- US Corporation \_\_\_\_\_
- Foreign Corporation \_\_\_\_\_
- Partnership \_\_\_\_\_
- Joint Venture \_\_\_\_\_
- Proprietorship \_\_\_\_\_
- Other \_\_\_\_\_

E. If US Corporation, incorporated in the State of: \_\_\_\_\_

**Prequalification Submittal Form**

F. If the Corporation is a Foreign Corporation, furnish information that it is allowed to do business in the State of California.

G. Business address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

H. Addenda:

The undersigned acknowledges receipt of the following Addenda Nos.: \_\_\_\_\_

I. By:

1. Signature:

\_\_\_\_\_

2. Clearly printed name:

\_\_\_\_\_

3. Position:

\_\_\_\_\_

- END OF FORM -

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## SCOPE OF PREQUALIFICATION

### 3.1 INTENT

The prequalification procedure will be used to determine prequalified Contractors and Subcontractors for the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project. Prequalification is not a conclusive determination of either responsiveness or responsibility, and a prequalified Contractor may be rejected as nonresponsive or nonresponsible by the City during the subsequent bidding phase for the Project. In all cases, the Contractor ultimately awarded the Contract for this Project shall comply with the requirements of the Contract Documents for the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project. Only prequalified Contractors shall be allowed to bid and construct the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project.

The prequalification procedure will also be used to determine prequalified Subcontractors that are nominated by prospective Contractors for specific portions of the work. Only prequalified Subcontractor(s) shall be used by prequalified Contractors to bid and construct the following portions of the work for the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project:

- Sheet Piles for the Cofferdam Enclosure
- Structural Piles
- Electrical

Prequalified Contractors that desire to perform the above portions of the work must also prequalify for that portion of the work. Only prequalified Contractors or Subcontractors shall be allowed to bid and construct the above portions of the work.

During the bidding phase of the Project, any prequalified Contractor may use any prequalified Subcontractor whether or not the prequalified Contractor nominated the prequalified Subcontractor.

### 3.2 EXPERIENCE REQUIREMENT

The prequalification procedure includes the review and evaluation of information regarding the proven experience of the Contractor or Subcontractor to construct the Project or portions of the Project in a manner acceptable to the City. The experience of the Contractor or Subcontractor will be evaluated on the basis of the Prequalification Submittal and information gathered by the City from the references of related projects. Proven experience is defined as the actual performance of the business entity identified either as the Contractor or a Subcontractor on previous construction projects with regard to the following elements:

- Previous projects of a similar nature
- Management of construction activities, subcontractors, and suppliers.

## Scope of Prequalification

- Ability to work with Federal and State Permitting Agencies having jurisdiction of river and levee activities.
- Installation, startup, and training services for equipment.
- Scheduling.
- Negotiations with Owners.
- Public relations with neighbors.

The City is not obligated to prequalify or accept a Contractor or Subcontractor with no proven experience or with insufficient or unsatisfactory experience.

- END OF SECTION -

## PREQUALIFICATION SUBMITTAL INFORMATION

### 4.1 GENERAL

The Prequalification Submittal prepared and delivered by a Contractor shall include as a minimum the information listed herein. Each Contractor shall review the requirements of the Prequalification Document and provide whatever additional information may be required to allow complete determination of conformance with the evaluation criteria utilized for the Basis of Determination. Incomplete or unclear information may be grounds for rejection of a submittal as nonresponsive.

### 4.2 CONTRACTOR INFORMATION

The Prequalification Submittal prepared by the Contractor shall include, but not be limited to, the following information:

#### A. Background:

1. Name, address, and telephone number of Contractor's representative to be contacted regarding any questions related to the Prequalification Submittal.
2. List any exception taken to the Prequalification Document. Exceptions listed may be grounds for rejection of the Prequalification Submittal as nonresponsive.
3. List any project of a similar nature undertaken by the Contractor wherein the Contractor was unable to complete the project or accomplish the specified performance. Explain circumstances of any such project.

#### B. Business and financial information:

1. Provide proof of Class A Contractor's License with number and expiration date.
2. Provide proof of Bonding Capability of not less than \$10,000,000.
3. Provide proof of Insurance Coverage as follows:

##### a. Workers' Compensation:

- |                                     |           |
|-------------------------------------|-----------|
| (1) State                           | Statutory |
| (2) Applicable Federal (e.g. USL&H) | Statutory |

## Prequalification Submittal Information

### (3) Employer's Liability:

Bodily Injury by Accident	\$2,000,000 each accident
Bodily Injury by Disease	\$2,000,000 policy limit
Bodily Injury by Disease	\$2,000,000 each employee

### b. Comprehensive or Commercial General Liability

#### Combined Single Limit:

(1) Premises/operations	\$5,000,000 each occurrence
(2) Products/completed operations	\$5,000,000 each occurrence \$5,000,000 annual aggregate

(3) Personal Injury \$5,000,000 each occurrence

(4) Policies shall include premises/operations, products, completed operations, independent contractors, owners' and contractors' protective, explosion, collapse, underground hazards, broad form contractual, personal injury with employment contractual exclusions deleted, and broad form property damage.

(5) If policies are written on a Commercial General liability form, the General Aggregate shall be at least two times the each occurrence limit or be written on a "per project" basis.

(6) If policies are written for split limits, limits shall be equal for bodily injury and property damage liability.

### c. Comprehensive Automobile Liability (including owned, hired, and non-owned vehicles):

#### Combined Single Limit:

(1) Bodily Injury and Property Damage \$5,000,000 each accident

(2) If policies are written for split limits, limits shall be equal for bodily injury per person, bodily injury per accident and property damage.

### C. Contractor Experience:

1. List a minimum of three projects of similar type, complexity, and comparable value (\$10,000,000 or more) which the Contractor has completed in the last seven years.

## Prequalification Submittal Information

Projects of a similar type and complexity shall include elements such as: (1) construction work within rivers, (2) construction of temporary trestle access roads within rivers, (3) closing of cofferdam enclosures within rivers, (4) placement of tremie concrete within cofferdam enclosures, and (5) construction of poured-in-place reinforced concrete structures within cofferdam enclosures. Each Contractor shall furnish the following information on each project:

- a. Name of the project.
- b. Location of the project.
- c. Description of project.
- d. Name, address, and phone number of the Owner's representative.
- e. Contract amount.
- f. Number and amount of Change orders.
- g. Start date, original contract completion date, extended contract completion date, and actual completion date of the Project.

### D. Construction Superintendent Experience:

1. Provide name, resume, and qualifications of one or more potential Construction Superintendent(s) that are currently employed by the Contractor and have managed 2 or more projects of a similar type, complexity, and comparable value (\$10,000,000 or more).

### 4.3 SHEET PILE (FOR THE COFFERDAM ENCLOSURE) SUBCONTRACTOR INFORMATION

Nominate one or more Subcontractors to be prequalified for the Sheet Pile Work (for the cofferdam enclosure). For each Subcontractor so nominated, provide the following information:

- A. Subcontractor Experience: List a minimum of three projects, of similar type, complexity, and comparable value (\$500,000 or more) that the Subcontractor has completed in the last seven years. Projects of a similar type and complexity shall include elements such as: (1) design of sheet pile enclosures including sheets, walers, and struts, (2) placement of sheet pile enclosures (to serve as cofferdams) within rivers, (3) placement of long sheet piles (50 feet in length or greater), (4) placement of walers and struts to brace the sheet piles. Each Subcontractor shall furnish the following information on each project:
  - a. Name of the project.

## Prequalification Submittal Information

- b. Location of the project.
- c. Description of the project.
- d. Name, address, and phone number of the Owner's representative.
- e. Subcontract amount.
- f. Start date and completion date of the Project.
- g. Type of sheet pile material used.
- h. Type of sheet pile placement equipment used including manufacturer, machine type, and size.
- i. Geotechnical conditions including soil type and groundwater levels.
- j. Length, depth, and size of sheet piles.

### 4.4 STRUCTURAL PILE SUBCONTRACTOR INFORMATION

Nominate one or more Subcontractors to be prequalified for the Structural Pile Work. For each Subcontractor so nominated, provide the following information:

- A. Subcontractor Experience: List a minimum of three projects of similar type, complexity, and comparable value (\$300,000 or more) that the Subcontractor has completed in the last seven years. Projects of a similar type and complexity shall include elements such as: (1) placement of structural piles within rivers, (2) placement of structural piles within rivers to a horizontal tolerance of plus or minus six inches. Each Subcontractor shall furnish the following information on each project:
  - a. Name of the project.
  - b. Location of the project.
  - c. Description of the project.
  - d. Name, address, and phone number of the Owner's representative.
  - e. Subcontract amount.
  - f. Start date and completion date of the Project.
  - g. Type of structural pile used.

## Prequalification Submittal Information

- h. Type of structural pile placement equipment used including manufacturer, machine type, and size.
- i. Geotechnical conditions including soil type and groundwater levels.
- j. Number, size, and depth of structural piles.

### 4.5 ELECTRICAL SUBCONTRACTOR INFORMATION

Nominate one or more Subcontractors to be prequalified for the Electrical Work. For each Subcontractor so nominated, provide the following information:

- A. Subcontractor Experience: List a minimum of three projects of similar type, complexity, and comparable value (\$1,000,000 or more) that the Subcontractor has completed in the last seven years. Projects of a similar type and complexity shall include elements such as: (1) installation of medium voltage switchgear and motor starters (minimum 4,160 volts), (2) installation of new electrical equipment adjacent to existing and energized electrical equipment, and (3) installation of control systems to operate and monitor potable water or wastewater pump stations. Each Subcontractor shall furnish the following information on each project:
  - a. Name of the project.
  - b. Location of the project.
  - c. Description of the project.
  - d. Name, address, and phone number of the Owner's representative.
  - e. Subcontract amount.
  - f. Start date and completion date of the Project.

- END OF SECTION -

## **BASIS OF DETERMINATION**

### **5.1 GENERAL**

The determination of prequalified Contractors and Subcontractors will be based on an evaluation of the Prequalification Submittal and information gathered by the City from the references of related projects. The categories that will be evaluated under the Basis of Determination are responsiveness and capability.

### **5.2 RESPONSIVENESS**

Before evaluation of the Contractor's capability, the responsiveness of the Contractor will be assessed. The assessment of responsiveness will determine if adequate information or the minimum prerequisites have been submitted to permit an evaluation under the Basis of Determination. A Prequalification Submittal may be rejected as nonresponsive for lack of adequate information due to incompleteness, illegibility, or disregard of the requested format.

### **5.3 CAPABILITY**

The determination by the City of a Contractor's capability shall assess the Contractor's ability, capacity, experience, and skill to construct the Project in a timely and satisfactory manner, based on the following criteria:

- A. Background.
- B. Business and financial capability to construct the subject project.
- C. Proven experience of the Contractor with the successful completion of similar projects.
- D. Proven experience of the Contractor's potential Construction Superintendent(s) with the successful completion of similar projects.

The determination by the City of a Subcontractor's capability shall assess the Subcontractor's ability, capacity, experience, and skill to perform the associated work in a timely and satisfactory manner, based on the following criteria:

- A. Background.
- B. Proven experience with the successful completion of similar projects.

## **Basis of Determination**

### **5.4 PREQUALIFICATION**

A responsive Contractor whose Prequalification Submittal and the evaluation thereof by the City demonstrates satisfactory capability will be prequalified to bid on the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project.

- END OF SECTION -

**APPENDIX A - LIST OF PREVIOUSLY PREQUALIFIED CONTRACTORS  
AND SUBCONTRACTORS**

**CONTRACTORS**

1. Atkinson Construction  
200 Union Boulevard  
Suite 400  
Lakewood, Colorado 80228  
303-985-1660  
303-985-1449 (fax)
2. Balfour Beatty Construction, Inc.  
600 Walnut Avenue  
Vallejo, California 94592  
707-562-6800  
707-562-6801 (fax)
3. Kiewit Pacific Company  
5000 Marsh Drive  
Concord, California 94520  
925-686-3030  
925-687-5143 (fax)
4. Modern Continental Construction Company, Inc.  
600 Memorial Drive  
Cambridge, Massachusetts 02139  
617-864-6300  
617-423-2554 (fax)
5. Shimmick Construction  
24200 Clawiter Road  
Hayward, California 94545  
510-293-1100  
510-293-1110 (fax)

## Appendix A - List of Previously Prequalified Contractors and Subcontractors

### Sheet Pile (for the Cofferdam Enclosure) Subcontractors

1. Atkinson Construction  
200 Union Boulevard  
Suite 400  
Lakewood, Colorado 80228  
303-985-1660  
303-985-1449 (fax)
2. Balfour Beatty Construction, Inc.  
600 Walnut Avenue  
Vallejo, California 94592  
707-562-6800  
707-562-6801 (fax)
3. Kiewit Pacific Company  
5000 Marsh Drive  
Concord, California 94520  
925-686-3030  
925-687-5143 (fax)
4. Modern Continental Construction  
Company, Inc.  
600 Memorial Drive  
Cambridge, Massachusetts 02139  
617-864-6300  
617-423-2554 (fax)
5. Shimmick Construction  
24200 Clawiter Road  
Hayward, California 94545  
510-293-1100  
510-293-1110 (fax)

### Structural Pile Subcontractors

1. Atkinson Construction  
200 Union Boulevard  
Suite 400  
Lakewood, Colorado 80228  
303-985-1660  
303-985-1449 (fax)
2. Balfour Beatty Construction, Inc.  
600 Walnut Avenue  
Vallejo, California 94592  
707-562-6800  
707-562-6801 (fax)
3. Kiewit Pacific Company  
5000 Marsh Drive  
Concord, California 94520  
925-686-3030  
925-687-5143 (fax)
4. Modern Continental Construction  
Company, Inc.  
600 Memorial Drive  
Cambridge, Massachusetts 02139  
617-864-6300  
617-423-2554 (fax)
5. Shimmick Construction  
24200 Clawiter Road  
Hayward, California 94545  
510-293-1100  
510-293-1110 (fax)
6. Stroer and Graff, Inc.  
1830 Phillips Lane  
Antioch, California 94509-7306  
925-778-0200  
925-778-6766 (fax)

## Appendix A - List of Previously Prequalified Contractors and Subcontractors

### Electrical Subcontractors

1. Amelco Electric SF, Inc.  
1777 Neptune Drive  
San Leandro, California 94577-3196  
510-895-2040  
510-352-2879 (fax)
2. Central Sierra Electric, Inc.  
P.O. Box 698  
Jackson, California 95642  
209-223-3363  
209-223-3391 (fax)
3. Collins Electrical Company, Inc.  
4395 Northgate Boulevard  
Sacramento, California 95834  
916-567-1100  
916-567-1292 (fax)
4. Con. J. Franke Electric, Inc.  
317 North Grant Steet  
Stockton, California 95202  
209-462-0717  
209-462-2556 (fax)
5. Contra Costa Electric, Inc.  
825 Howe Road  
Martinez, California 94553-3441  
925-229-4250  
925-228-3265 (fax)
6. Helix Electric, Inc.  
P.O. Box 85298  
San Diego, California 92186-5298  
858-535-0505  
858-535-0757 (fax)
7. Mass Electric Construction Company  
2976-D Alvarado Street  
San Leandro, California 94577  
510-483-7094  
510-483-8873 (fax)
8. Steiny and Company, Inc.  
27 Sheridan Street  
Vallejo, California 94590  
707-552-6900  
707-552-7705 (fax)

- END OF SECTION -

## APPENDIX B - PROJECT DESCRIPTION

### PROJECT OVERVIEW

The Project is located along the American River adjacent to California State University Sacramento. Specifications and drawings of the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project are at the 95 percent completion stage and are available for review at the offices of the City and Montgomery Watson. The final specifications and drawings prepared for the construction documents may have changes from the 95 percent construction documents.

The construction cost of the E.A. Fairbairn Water Treatment Plant Intake Structure Modification Project is currently estimated at \$10 million. The City will require all the Contractors on this Project to meet the City's mandatory Emerging and Small Business Enterprises (ESBE) Requirements.

The anticipated project schedule is summarized as follows:

<b>Date</b>	<b>Milestone</b>
February 5, 2001	Advertise for Bids
March 21, 2001	Open Bids
April 17, 2001	Award Construction Contract
August 31, 2003	Completion of Construction

The foregoing schedule is preliminary and may be changed at the sole discretion of the City.

### PROJECT DESCRIPTION

The City of Sacramento has two water treatment plants, the Sacramento River Water Treatment Plant (Sacramento River WTP) and the E.A. Fairbairn Water Treatment Plant (E.A. Fairbairn WTP), that supply 85 percent of the City's water. The Sacramento River WTP is located along the Sacramento River, east of Interstate 5, about one-half mile downstream of the confluence of the American and Sacramento Rivers. The E.A. Fairbairn WTP is located adjacent to the American River, immediately upstream of California State University Sacramento.

#### **Brief History of the E.A. Fairbairn WTP**

The E.A. Fairbairn WTP was constructed in the early 1960's and was placed into operation in 1964. The original design of the E.A. Fairbairn WTP provided planning for an American River diversion and a treatment plant capacity of 400 million gallons per day (mgd). The initial design and construction of the Intake Pump Station provided 200 mgd of diversion capacity; the initial design and construction of the water treatment plant provided 60 mgd of treatment capacity. The 60 mgd treatment capacity was increased to 100 mgd in the early 1980's by making

## **Appendix B - Project Description**

modifications to existing treatment processes. The 200 mgd Intake was designed and constructed in accordance with all fish screen regulations in-place at the time.

### **Recent Developments in Fish Screen Standards**

The American River is used by numerous fish species such as chinook salmon and steelhead as part of their migration corridor for upstream migration of spawning adults and downstream migration of rearing juveniles. Many of these fish species have declined in population over the past few decades. One measure to help reverse the population decline has been establishment of new, more stringent, fish screen design standards and regulations. Due to the recent establishment of these more stringent requirements, the fish screens on the Intake for the E.A. Fairbairn WTP no longer satisfy the design standards of the U.S. National Marine Fisheries Service or the California Department of Fish and Game.

### **Planned Fish Screen Improvements for the E.A. Fairbairn WTP Intake Structure**

The fish screens at the E.A. Fairbairn WTP will be brought into compliance with current fish screen regulations by: (1) adding more fish screen area to the Intake by extending the structure approximately 80 feet downstream, and (2) modifying the existing Intake with new fish screens and fish screen cleaning systems. After these improvements are complete, the Intake for the E.A. Fairbairn WTP will once again have a diversion capacity of 200 mgd.

### **Planned Architectural Improvements for the E.A. Fairbairn WTP Intake Structure**

As part of the E.A. Fairbairn WTP Intake Structure Modification Project, the City will improve the aesthetics of the structure to improve the visual character of the surrounding viewshed. These aesthetic improvements include: (1) changing the color of the existing intake (and matching the structure extension to the changed color on the existing structure), and (2) changing the architecture of the top superstructure to a more appropriate look.

- END OF SECTION -