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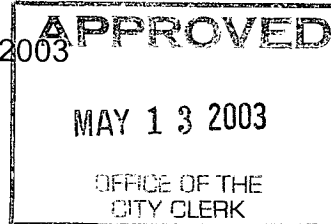
DEPARTMENT OF UTILITIES

CITY OF SACRAMENTO CALIFORNIA

1395 35th AVENUE SACRAMENTO, CA 95822-2911

ENGINEERING SERVICES DIVISION

April 14, 2003



PH 916-264-1400 FAX 916-264-1497/1498

City Council Sacramento, California

Honorable Members in Session:

SUBJECT: SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT (ZF57) - APPROVAL OF SUPPLEMENTAL AGREEMENT NO. 2 WITH CH2M HILL FOR AN AMOUNT NOT TO EXCEED \$350,000

LOCATION AND COUNCIL DISTRICT:

Citywide: Sacramento River Water Treatment Plant

RECOMMENDATION:

Staff recommends that the City Council approve Supplemental Agreement No. 2 (City Agreement No. 2001-132) with CH2M Hill for an amount not to exceed \$350,000.

CONTACT PERSON: David L Brent, Engineering Services Manager, 264-1420 Gary E Gosse, Supervising Engineer, 264-1426

FOR COUNCIL MEETING OF: May 13, 2003

SUMMARY:

On July 31, 2001, City Council approved a Consultant Services Agreement with CH2M Hill for a not-to-exceed amount of \$2,515,000. The scope of services of the CH2M Hill consultant agreement is for contract management and construction inspection of the Sacramento River Water Treatment Plant (WTP) Replacement Intake project. Authorization for the City Manager and City Clerk to execute Supplemental Agreement No. 2 with CH2M Hill in the amount of \$350,000 is requested.

COMMITTEE / COMMISSION ACTION: None

BACKGROUND:

Through an open Request for Qualifications process pursuant to City Council procedures, the firms of MWH Americas, Inc, CH2M Hill, and Carollo Engineers were selected for the



CITY OF SACRAMENTO DEPARTMENT OF UTILITIES

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engineering design of the City's four water facilities expansion projects. The CH2M Hill firm designed the Sacramento River WTP Replacement Intake Project and is providing contract management and inspection services during its construction.

Supplemental Agreement No. 2 is for additional engineering services to be performed by CH2M Hill in the categories of:

- \* Increase in CH2M Hill staff time for day-to-day construction management particularly for "Office Engineering". (The project has resulted in a greater number of contractor submittals, requests for information and clarifications, and change orders than CH2M Hill had anticipated and budgeted for).
- \* Developing engineering solutions and responding to contractor initiated issues related to quality control of construction and contractor performance.
- \* Increase in project scope and the need for additional engineering services by CH2M Hill for out-of-scope work related to the Sacramento River WTP Replacement Intake Project but not anticipated at the time the initial scope of services was developed.

Supplemental Agreement No. 1 with CH2M Hill was to fulfill a CALFED grant requirement to incorporate nine specific terms and conditions into the CH2M Hill construction management consultant agreement. The nine terms and conditions were contractual in nature and their inclusion into the CH2M Hill consultant agreement was done at no cost to the City.

The present budget amount for the Sacramento River WTP Replacement Intake Project is \$37,421,286. The sum of the \$29,218,000 construction contract with Balfour Beatty Construction, Inc, the \$2,515,000 contract management and inspection consultant agreement with CH2M Hill, and the \$2,580,360 contract management support consultant agreement with MWH Americas, Inc, amounts to \$34,313,360. The sum of Balfour Beatty contract change orders to date (\$1,292,775) plus \$350,000 for this CH2M Hill Supplemental Agreement No.2 is \$1,642,775. This represents 4.8 percent of the \$34,313,360 project construction cost to date, excluding expenses for City staff, permits, etc.

#### **FINANCIAL CONSIDERATIONS:**

The not-to-exceed amount of the current Consultant Services Agreement with CH2M Hill is \$2,515,000. The estimated cost of Supplemental Agreement No. 2 with CH2M Hill is \$350,000. With City Council approval of Supplemental Agreement No. 2, the not-to-exceed amount of the CH2M Hill consultant agreement will increase to \$2,865,000. The unobligated balance available in the Sacramento River WTP Replacement Intake Project (413-500-ZF57-4820) is \$1,613,427 as of April 9, 2003. Sufficient funds are available to execute and administer Supplemental Agreement No. 2.

#### **ENVIRONMENTAL CONSIDERATIONS**

An environmental assessment/initial study for the Intake Fish Screen Replacement Project was prepared and circulated for public review consistent with the California Environmental Quality Act. On June 27, 2000, the City Council adopted a Mitigated Negative Declaration and a Mitigation, Monitoring, and Reporting Plan for the Intake Fish Screen Replacement

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Projects at the Sacramento River and E A Fairbairn Water Treatment Plants. On June 29, 2000, a Notice of Determination was filed with the Sacramento County Clerk/Recorder with the 30-day protest period ending on July 29, 2000.

**POLICY CONSIDERATIONS:**

Upon completion, the Water Intake Fish Screen Replacement Projects will bring the City into compliance with the current standards of the California Department of Fish and Game and the National Marine Fishers Service. The completed intake projects will protect juvenile fish within the American and Sacramento Rivers by greatly reducing the chance for small fish to be drawn into the intakes.

**ESBD CONSIDERATIONS:**

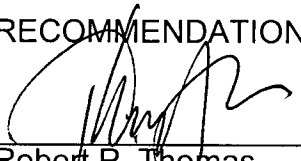
The July 31, 2001 Council action approving the \$2,515,000 consultant agreement with CH2M Hill also included the approval of a \$2,580,360 Consultant Services Agreement with MWH Americas, Inc. The MWH Americas consultant agreement is for contract management support for the Sacramento River WTP Replacement Intake project (\$1,102,240) and construction inspection of the E A Fairbairn WTP Intake Modification project (\$1,478,120).

In the scope of services of the CH2M Hill consultant agreement, work having a value of \$150,000 (6.0 percent) is subcontracted to an ESB firm. In the scope of services of the MWH Americas, Inc. consultant agreement, the value of the ESB subconsultant work is \$475,000 (43.1 percent) for the Sacramento River WTP Replacement Intake and \$462,000 (31.3 percent) for the E A Fairbairn WTP Intake Modification project. Collectively, the ESB subconsultant work of CH2M Hill and MWH Americas has a value of \$1,087,000 and constitutes 21.3 percent of the contract management and construction inspection work for both intake projects.


Respectfully submitted,

  
David L. Brent  
Engineering Services Manager

RECOMMENDATION APPROVED

  
Robert P. Thomas  
City Manager

APPROVED

  
Gary A. Reents  
Director of Utilities

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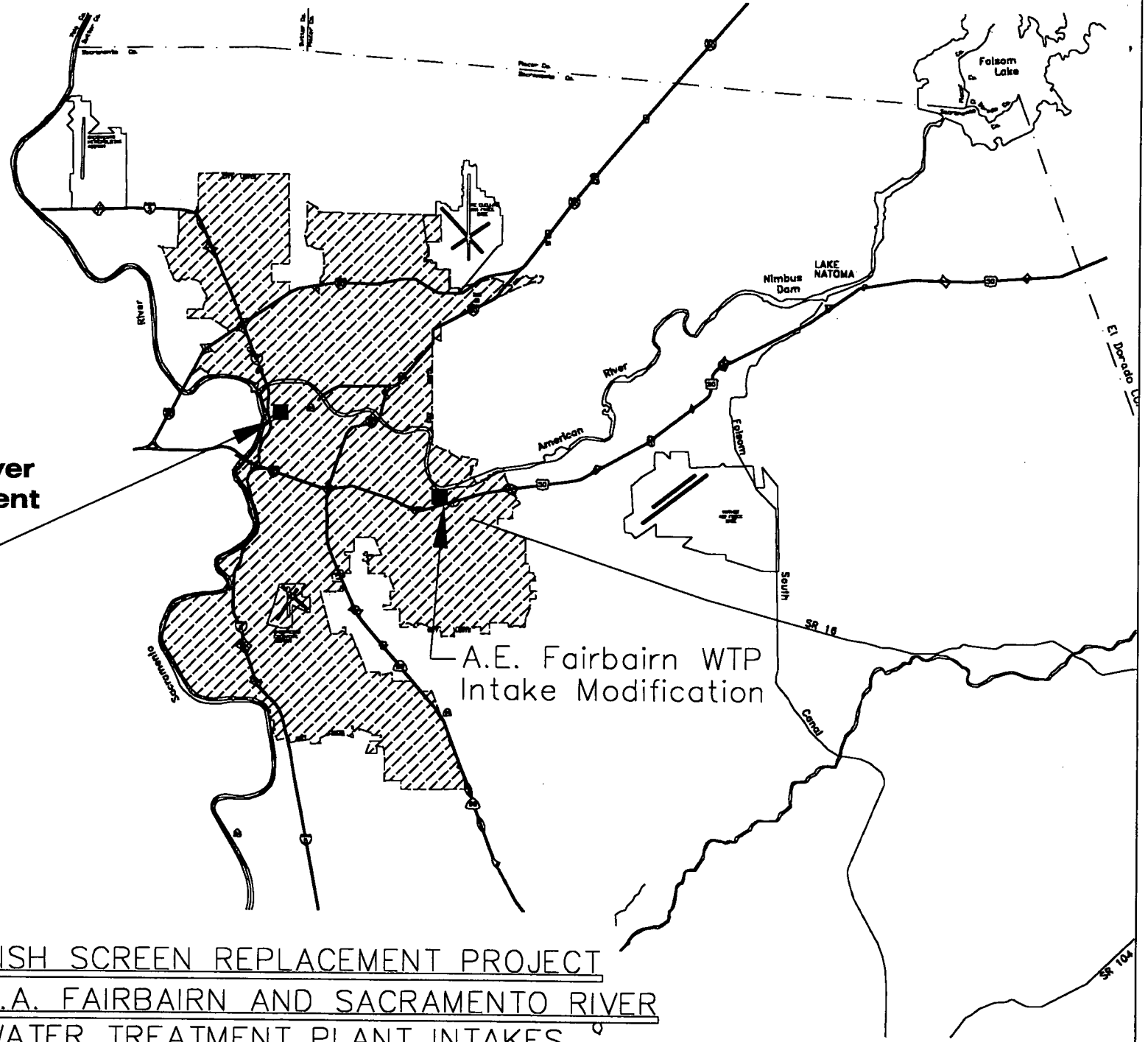


**Sacramento River  
WTP Replacement  
Intake  
(PN: ZF57)**

A.E. Fairbairn WTP  
Intake Modification

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

September 2000





**RESOLUTION NO. 2003 - 283**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

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

**RESOLUTION AUTHORIZING THE CITY MANAGER AND CITY CLERK TO EXECUTE SUPPLEMENTAL AGREEMENT NO. 2 WITH CH2M HILL FOR ADDITIONAL SERVICES RELATED TO CONTRACT MANAGEMENT AND CONSTRUCTION INSPECTION OF THE SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT (ZF57) FOR AN AMOUNT NOT TO EXCEED \$350,000**

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

The City Manager and City Clerk are hereby authorized to sign and execute Supplemental Agreement No. 2 with CH2M Hill for additional engineering services as part of the Contract Management and Construction Inspection of the Sacramento River Water Treatment Plant Replacement Intake Project for an amount not to exceed \$350,000.

\_\_\_\_\_  
MAYOR

ATTEST:

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

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**FOR CITY CLERK USE ONLY**

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

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