



APPROVED
BY THE CITY COUNCIL

MAR 9 1999

OFFICE OF THE
CITY CLERK

1.6

Department of Utilities
Engineering Services Division

CITY OF SACRAMENTO
CALIFORNIA

1395 35th Avenue
Sacramento, CA 95822-2911
phone (916) 264-1400
fax (916) 264-1497/1498

A699-03B

February 23, 1999

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT (PN:ZF56) - TRANSFER OF FUNDS AND APPROVE A CONSULTANT SERVICES AGREEMENT WITH CH2M-HILL FOR ADDITIONAL PRELIMINARY ENGINEERING DESIGN WORK FOR A NOT-TO-EXCEED AMOUNT OF \$617,790

LOCATION: City Wide

E A Fairbairn and Sacramento River Water Treatment Plants

RECOMMENDATION:

Staff recommends that the City Council:

- * Authorize the transfer of funds from Treatment Capacity Expansion Reserve (PN:ZE22)
- * Adopt the attached resolution and authorize the City Manager and City Clerk to execute a Consultant Services Agreement with CH2M-Hill for an amount not-to-exceed \$617,790.

CONTACT PERSONS: Gary A Reents, Engineering Services Manager (264-1433)
Gary E Gosse, Supervising Engineer (264-1426)



CITY OF SACRAMENTO
DEPARTMENT
OF UTILITIES

Making a Difference in Your Neighborhood

City Council
February 16, 1999
Approval of Consultant Services Agreement

FOR CITY COUNCIL MEETING OF: March 9, 1999

SUMMARY:

Staff has negotiated a Consultant Services Agreement with CH2M-Hill to perform additional preliminary design and project development work for a replacement intake and access bridge for the Sacramento River Water Treatment Plant. Authorization for the City Manager and City Clerk to execute the agreement is requested.

COMMITTEE/COMMISSION ACTION: None

BACKGROUND:

The fish screens on the existing intakes at the E A Fairbairn and Sacramento River Water Treatment Plants (WTP) do not meet the current standards of the California Department of Fish and Game or the National Marine Fisheries Service. A \$225,000 federal grant from the Bureau of Reclamation provided funds for an engineering feasibility study and environmental documentation for upgrading the fish screens at the E A Fairbairn and Sacramento River WTP intakes.

A new intake pump station is needed for the Sacramento River WTP. The diversion capacity of the replacement intake is to be 160 million gallons per day (mgd), the same capacity of the existing intake pier.

Final design of a replacement intake for the Sacramento River WTP is to be done in two phases. Additional preliminary design work is needed to integrate the results of the engineering feasibility study and environmental documentation with the proposed concept for the architectural design of the intake and access bridge project.

The additional preliminary design work will include:

- * Design coordination with Lionakis Beaumont Design Group, the architect selected for exterior design of the intake and access bridge superstructure.
- * Identification of the types of public amenities and public art to be provided on the intake, the access bridge, and on the land side of the Sacramento River levee.
- * Soils investigation for foundation design and streambed soundings for hidden obstacles.

Final design work to modify the intake at the E A Fairbairn WTP will proceed at a later date.

City Council
February 16, 1999
Approval of Consultant Services Agreement

FINANCIAL CONSIDERATIONS:

The estimated cost of the Consultant Services Agreement with CH2M-Hill is \$617,790. The Sacramento River WTP Replacement Intake Project (413-500-ZF56-4802), has an available balance of \$500,000 as of February 9, 1999. Staff recommends that funds in the amount of \$150,000 be transferred to the Sacramento River WTP Replacement Intake Project from Treatment Capacity Expansion Reserve (413-500-ZE22-4820) which has an unobligated balance of \$10,424,036) as of February 9, 1999.

ENVIRONMENTAL CONSIDERATIONS:

An Environmental Assessment for the City's water intake fish screen upgrade projects is being prepared consistent with the National Environmental Policy Act and the California Environmental Quality Act. The Environmental Assessment will be presented to the City Council for approval prior to construction of the Sacramento River WTP Replacement Intake project.

POLICY CONSIDERATIONS:

The firm of CH2M-Hill, in a joint venture with Montgomery Watson and Carollo Engineers, was selected to perform design work on the City's water facilities expansion projects, including the Sacramento River WTP Replacement Intake Project, through an open Request for Qualifications (RFQ) process.

MBE / WBE:

All potential consultants were informed of the City's policy to have MBE and WBE participation. The project team of CH2M-Hill includes 21.8 percent MBE and 4.9 percent WBE participation.

AGS, Inc (MBE)
Psomas & Associates (MBE)
Villalobas & Accociates (MBE)

Bennett-Staheli (WBE)

The firm of CH2M-Hill identified the tasks in the scope of services (tunneling/utility mapping, site surveying, geotechnical investigation, geophysical survey, and corrosion survey) that could be subcontracted. The identified subconsultant work constitutes 28 percent of the total value of the design work.

City Council
February 16, 1999
Approval of Consultant Services Agreement

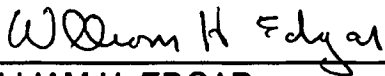
The total value of the MBE / WBE subconsultant work exceeds the combined City goal of 20.07 percent. Although City goals of 10.57 percent MBE and 9.5 percent WBE were not met individually, CH2M-Hill has retained the services of City certified MBE / WBE firms where possible. A description of CH2M-Hill's efforts for MBE / WBE participation is covered in their letter enclosed with this staff report.

Respectfully submitted,



Gary A. Reents
Engineering Services Manager

RECOMMENDATION APPROVED:



WILLIAM H. EDGAR
City Manager

APPROVED:



JAMES G. SEQUEIRA
Director of Utilities

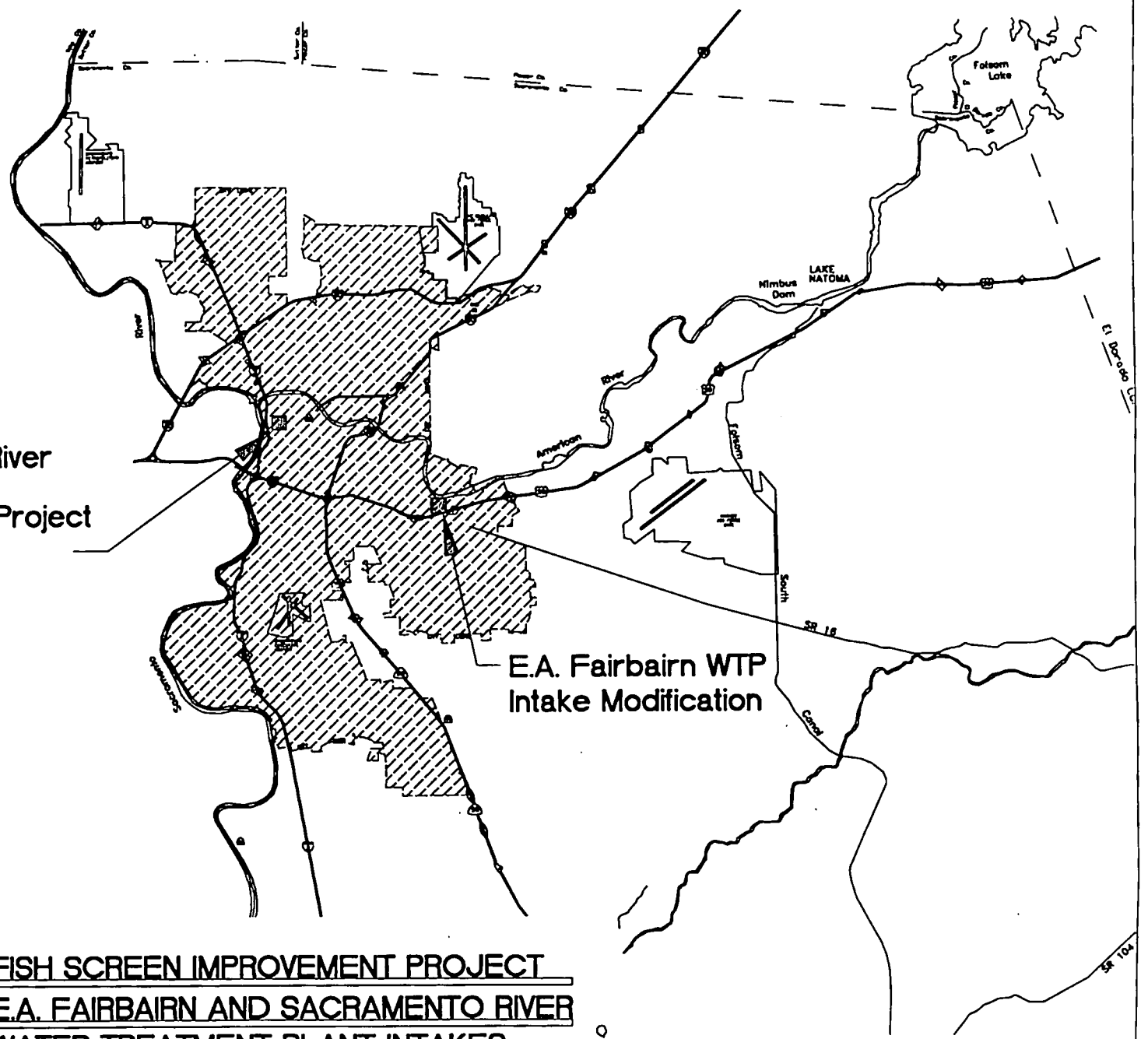


Sacramento River
WTP Intake
Replacement Project
(PN: ZF56)

E.A. Fairbairn WTP
Intake Modification

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

November 1998





CH2MHILL

CH2M HILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA
95833-2937
Tel 916.920.0300
Fax 916.920.8463

February 4, 1999

151335.PM

Mr. Gary Gosse
Supervising Engineer
City of Sacramento
Department of Utilities
Engineering Services
1395 35th Avenue
Sacramento, CA 95822-2911

Subject: Sacramento River Water Treatment Plant Replacement Intake Project (ZF56)
MBE/WBE Participation

Dear Mr. Gosse:

CH2M HILL is pleased to have been selected as the Design Engineer for the Sacramento River Water Treatment Plant Replacement Intake Project. This project will be a key feature in the City's program for improving the water supply facilities for the future. We are excited about working with you on this challenging project, and have assembled a team of qualified and experienced engineers, scientists, and other specialists to deliver this project.

CH2M HILL is cognizant and supportive of the MBE and WBE participation goals of 10.57 percent and 9.5 percent, respectively, established by the City. We have maximized the MBE/WBE participation by initially identifying those support services and professional disciplines that would be logical candidates for MBE/WBE participation. The subconsultants were subsequently selected based on their availability as offered by the City's certification list of MBE/WBE firms and their capability to provide sufficient expertise and resources to the project.

The candidate support services and professional disciplines, the selected subconsultants, their MBE/WBE status, and budgets are listed as follows:

Mr. Gary Gosse
Page 2
February 4, 1999
151335.PM

Support Service/ Professional Discipline	Selected Subconsultant	Status	Budget
Tunneling/utility mapping	Bennett-Staehli	WBE	\$30,000
Survey/mapping	Psomas	MBE	\$25,000
Geotechnical	AGS, Inc	MBE	\$100,000
Corrosion Surveys	Villalobos	MBE	\$10,000
Total			\$165,000

The estimated total amount of MBE/WBE services is \$165,000, or approximately 25.4 percent of the total budget. This amount compares favorably to the combined MBE/WBE participation goal of 20.07 percent for the City. The magnitude of the MBE/WBE participation on this project is significant and substantial

We look forward to working with the City and our project partners on the delivery of this challenging project. Please contact me at 916-920-0212, x211 if you have any questions.

Sincerely,

CH2M HILL



Gary S. Nuss, P.E.
Vice President

APPROVED
BY THE CITY COUNCIL

MAR 9 1999

RESOLUTION NO. 99-105

ADOPTED BY THE SACRAMENTO CITY COUNCIL

OFFICE OF THE
CITY CLERK

ON DATE OF _____

RESOLUTION TO TRANSFER FUNDS AND AUTHORIZE THE CITY MANAGER AND CITY CLERK TO EXECUTE A CONSULTANT SERVICES AGREEMENT WITH CH2M-HILL FOR ADDITIONAL PRELIMINARY DESIGN WORK FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT (PN:ZF56) FOR AN AMOUNT NOT-TO-EXCEED \$617,790

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

1. Funds in the amount of \$150,000 are hereby transferred to the Sacramento River Water Treatment Plant Replacement Intake Project (413-500-ZF56-4802) from the Treatment Capacity Expansion Reserve (413-500-ZE22-4820).
2. The City Manager and City Clerk are authorized to sign and execute a Consultant Services Agreement with CH2M-Hill for additional preliminary engineering design work for the Sacramento River Water Treatment Plant Replacement Intake Project for an amount not-to-exceed \$617,790.

MAYOR

ATTEST:

CITY CLERK