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A62000-001

DEPARTMENT OF
UTILITIES

ENGINEERING SERVICES

CITY OF SACRAMENTO
CALIFORNIA

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SACRAMENTO, CA
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December 10, 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 FINAL DESIGN FOR AN AMOUNT NOT TO EXCEED \$1,303,600

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 to authorize the City Manager and City Clerk to execute a Consultant Services Agreement with CH2M-Hill for an amount not-to-exceed \$1,303,600.

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

FOR CITY COUNCIL MEETING OF: January 4, 2000

City Council
December 10, 1999
Approval of Consultant Services Agreement

SUMMARY:

Staff has negotiated a Consultant Services Agreement with CH2M-Hill to perform final engineering design 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.

Preliminary design work for the Sacramento River WTP Replacement Intake project to integrate the engineering feasibility study and environmental assessment with the architectural design concept has been completed. The project is now sufficiently defined to allow final engineering design to proceed.

FINANCIAL CONSIDERATIONS:

The estimated cost of the Consultant Services Agreement with CH2M-Hill is \$1,303,600. The Sacramento River WTP Replacement Intake Project (413-500-ZF56-4802), has an available balance of \$358,124 as of November 12, 1999. Staff recommends that funds in the amount of \$1,300,000 be transferred to the Sacramento River WTP Replacement Intake Project (413-500-ZF56-4802) from Treatment Capacity Expansion Reserve (413-500-ZE22-4820) which has an unobligated balance of \$4,770,249 as of November 12, 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.

City Council
December 10, 1999
Approval of Consultant Services Agreement

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.

ESBD CONSIDERATIONS:

In their scope of services, CH2M-Hill identified the tasks of tunneling, general civil/earthwork, geotech, and engineering design / drafting support that could be subcontracted. The identified subconsultant work constitutes approximately 23 percent of the total value of the final design work. Although the City goal of 20 percent City certified emerging small business enterprises was not met, CH2M-Hill has retained the services of City certified ESBD firms to perform the subconsultant work where possible. A description of CH2M-Hill's efforts for ESBD participation is covered in their letter attached to this staff report (Attachment 1).

Respectfully submitted,



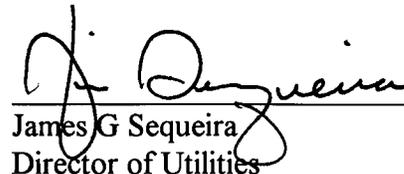
Gary A Reents
Engineering Services Manager

RECOMMENDATION APPROVED:



Robert P Thomas
City Manager

APPROVED:



James G Sequeira
Director of Utilities

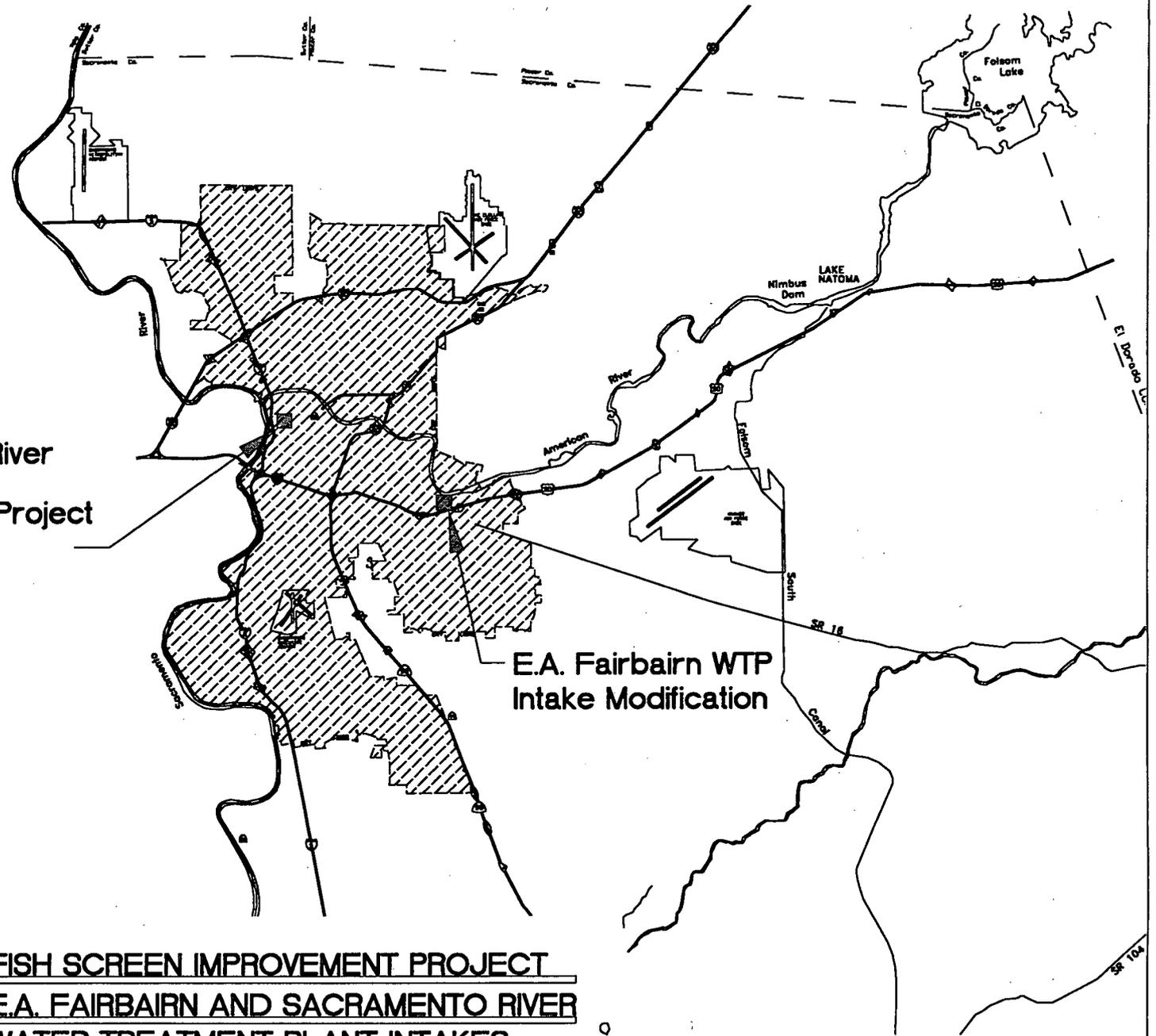


Sacramento River
WTP Intake
Replacement Project
(PN: ZF56)

E.A. Fairbairn WTP
Intake Modification

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

November 1998



RESOLUTION NO. 2000-004

ADOPTED BY THE SACRAMENTO CITY COUNCIL

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 FINAL DESIGN WORK FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT (PN:ZF56) FOR AN AMOUNT NOT-TO-EXCEED \$1,303,600

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

1. Funds in the amount of \$1,300,000 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 final engineering design work for the Sacramento River Water Treatment Plant Replacement Intake Project for an amount not to exceed \$1,303,600.

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____



CH2MHILL

CH2M HILL
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95833-2937
Tel 916.920.0300
Fax 916.920.8463

December 1, 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)
ESBE 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 ESBE participation goal of 20 percent established by the City. As you and I have discussed recently, the City's transition from a minority and women-owned business program to an emerging/small business program in the middle of the Replacement Intake Project has caused us some unique challenges in meeting your goals. This letter will describe those challenges and our approach to providing meaningful participation by other firms in the project.

Throughout the design development phase of the project (recently completed this September) we utilized a number of minority and women-owned firms to perform the work, commensurate with their expertise and experience. As we prepare for the final design activities, we want to maintain our commitment to these firms for their involvement in the project. In addition, our preparation for final design activities added two more firms with women and minority-owned business credentials to our list of partner firms for the project. These firms (Bennett and Staheli and NRCE) were added because of their specialized expertise in specific areas (Bennett and Staheli for microtunnelling) and familiarity with our structural design approaches (NRCE). NRCE is also a protege firm of CH2M HILL through the federal government's mentor-protege program (the focus of which is to link smaller firms with larger firms to help mentor and develop business practices).

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Our understanding at the time was that both firms would fit under the City's ESBE program, due to their documented credentials as minority and women-owned businesses with the required level of revenues below the City's ceilings. As such, we engaged these two firms in the transition phase between design development and final design (as you know, the schedule for the Replacement Intake Project is exceptionally aggressive, and with your prior approval, we provided some transition services to advance the design).

Unfortunately, it now appears that both Bennett and Staheli and NRCE will not meet the City's requirements for the ESBE program. As I understand it, Bennett and Staheli do not meet the requirements because they are not a California firm (which would be difficult for them to do, since their specialty work requires them to work across the nation). Also, NRCE does not meet the requirements for all of their officers to be domiciled in California (although they are a California firm, some of their officers are domiciled in Colorado).

As you and I have discussed, it is unfortunate that these two firms do not meet the ESBE requirements. However, I strongly believe that we should maintain these firms involvement in the project. I see this maintenance of involvement to benefit the City, because we have already invested knowledge in these individuals that will be valuable for the completion of the project. In addition, maintenance of our commitments is a business practice that is highly valued by CH2M HILL.

Accordingly, we have assembled a project team that provides the necessary expertise to meet your schedule goals on the project, and also provides significant participation by emerging/small businesses, minority-owned businesses, and women-owned businesses. A summary of our project partners and their level of involvement are provided in the table below.

Support Service	Firm	Status	Budget
Tunneling and off-site utilities	Bennett-Staheli	WBE	\$100,000
General civil/earthwork	Blackburn	ESBE	\$30,000
Geotechnical	AGS, Inc	ESBE	\$70,000
Civil engineering/drafting support	NRCE, Inc	MBE	\$100,000
Total			\$300,000

The estimated total amount of these services is \$300,000, or approximately 23 percent of the total final design budget. This represents a significant level of participation in the project.

We are also pleased with the level of participation reached by MBE/WBE firms during the design development phase of the project (currently approximately 25 percent). I believe

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this magnitude of participation demonstrates our commitment to meeting the City's goals for emerging firm's participation in their projects.

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

A handwritten signature in black ink, appearing to read "Gary S. Nuss". The signature is fluid and cursive, with a long horizontal stroke at the end.

Gary S. Nuss, P.E.
Vice President