



REPORT TO COUNCIL

City of Sacramento

915 I Street, Sacramento, CA 95814-2604
www. CityofSacramento.org

Consent
March 13, 2007

Honorable Mayor and
Members of the City Council

Title: CONSULTANT SERVICES AGREEMENT: DRINKING WATER TREATMENT PLANT ASSESSMENT STUDY (PN: ZL61)

Location/Council District: E.A. Fairbairn Water Treatment Plant, 7501 College Town Dr, Council District 3: Sacramento River Water Treatment Plant, 1 Water Street, Council District 1 (see location map at Attachment 1).

Recommendation: Adopt a **Resolution** authorizing the City Manager to (1) enter into a Consultant Services Agreement with Carollo Engineers for Water Treatment Plant Assessment Study (PN: ZL61) for an amount not to exceed \$500,000; and (2) transfer \$365,000 from the Water Fund Base Reserve (PN: ZE46, fund 413).

Contact: Dave Brent, Engineering Services Manager, 808-1420, Dan Sherry, Supervising Engineer, 808-1419.

Presenters: n/a

Department: Utilities

Division: Engineering

Organization No: 3331

Description/Analysis

Issue: The City's two water treatment plants, the Sacramento River Water Treatment Plant and the EA Fairbairn Water Treatment Plant were constructed in the 1920's and 1960's, respectively. New intake structures and expansions at both plants have been completed as part of the first phase of a two phase program to assure the treatment plant capacity meets existing and future demands. The proposed assessment study, part of the 2nd phase of the program, will consist of a condition assessment of both plants aging infrastructure and development of a capital improvement program to address the required rehabilitation and replacement needs.

Policy Considerations: This project, which provides the infrastructure for a safe and reliable water supply, is consistent with the City Council focus areas of public safety, economic development, and sustainability and livability.

Environmental Considerations: The Environmental Services Manager has determined that the approval of a consultant services agreement to provide for


water treatment plant rehabilitation and replacement planning is exempt from the requirements of the California Environmental Quality Act (CEQA), pursuant to Section 15262 of the CEQA Guidelines (feasibility and planning studies). The current request is for preparing the planning document, which may lead to an action or actions by the City that have not yet been approved, adopted, or funded. Appropriate CEQA review will be conducted prior to approval of any future projects identified in the Water Treatment Plants Assessment Study.

Rationale for Recommendation: The Department of Utilities issued a Request for Proposal (RFP) on November 3, 2006. The RFP was publicly advertised on the City's Website and sent to qualified consulting firms. The Department sponsored two pre-proposal meetings, one at each treatment plant. The proposals were received on November 27, 2006, from three consulting firms; HDR, Black & Veatch, and Carollo Engineering. A Selection Committee evaluated and ranked the proposals and recommended Carollo Engineers to perform the study.

Financial Considerations: The total estimated project cost is \$500,000. As of February 13, 2007, the unobligated balance available for this project (PN:ZL61, fund 413) is \$135,165. There are insufficient funds to execute the agreement. A transfer of \$365,000 from the Base Reserve (PN: ZE46, fund 413) is required, which has an unobligated amount of \$731,297, as of February 13, 2007.

Emerging Small Business Development (ESBD): Carollo Engineers is not a certified ESBD Consultant but five percent of the work will be completed by ESBD subconsultants.

Respectfully Submitted by:



David L. Brent
Engineering Manager

Approved by:



Gary A. Reents
Director of Utilities

Recommendation Approved:



be

Ray Kerridge
City Manager

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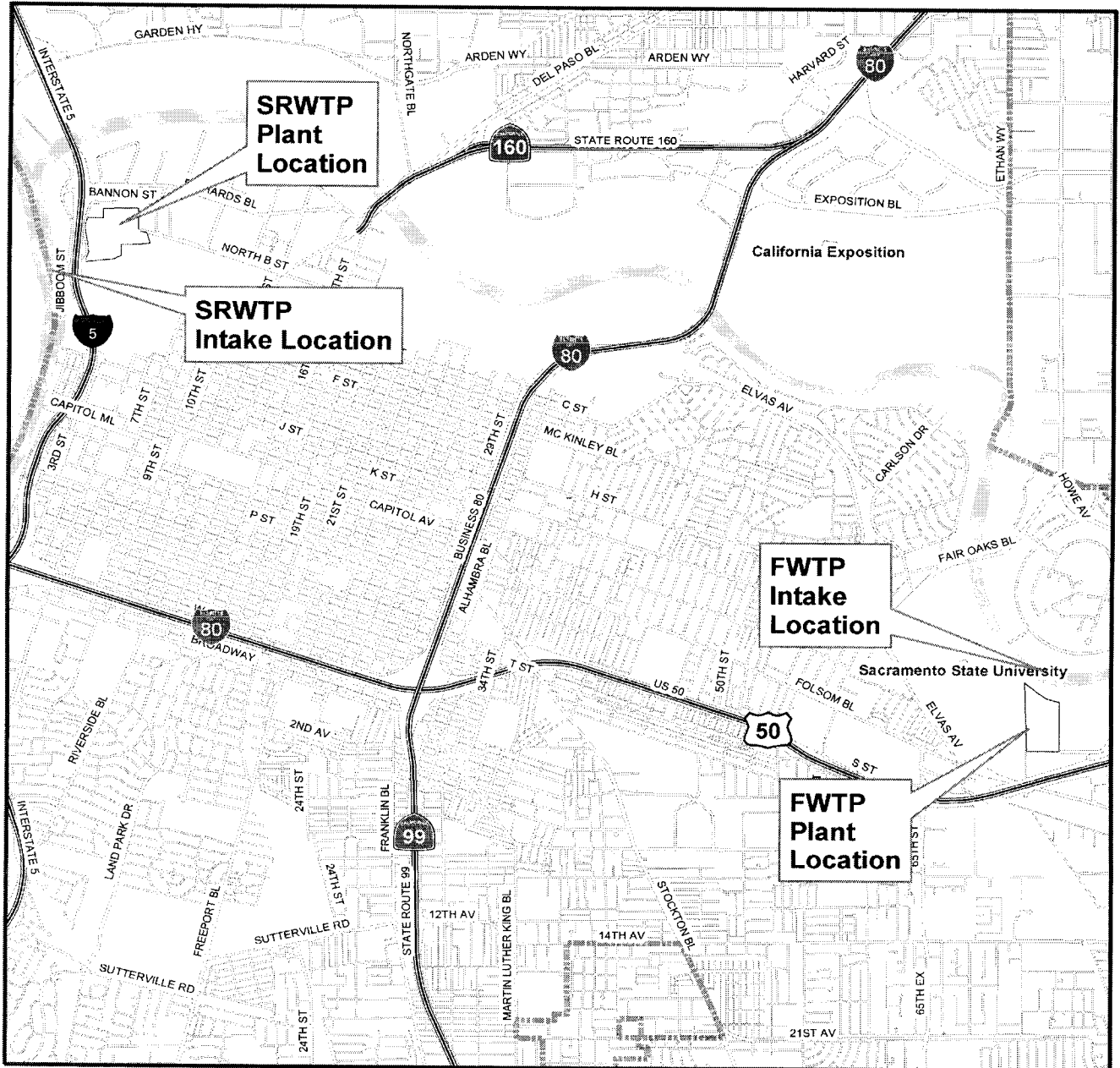
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ATTACHMENT 1

SRWTP, 1 Water Street

FWTP, 7501 College Town Drive



Attachment 2**Background:**

The Sacramento River Water Treatment Plant (SRWTP) was constructed in the 1920's and 1930's and the E.A. Fairbairn Water Treatment Plant (FWTP) was constructed in the early 1960's. Many of the older structures at these facilities have reached the end of their useful life and need to be rehabilitated or replaced. The City developed a two phase approach to meet the demands of the City. The 1st phase of work was to expand the existing treatment plant capacities and intake structures and to be followed by the 2nd phase of assessing the older treatment facilities and developing a capital improvement program to rehabilitate and/or replace these facilities.

The Department recently completed the 1st phase of work on their water treatment plants by completing the following projects:

- FWTP Intake Structure Modification Project (ZF47) completed in 2003. This project extended the existing intake to provide additional low lift pumping capacity.
- SRWTP Replacement Intake Project (ZF57) completed in 2004. This project constructed a new intake structure to replace the existing intake that was constructed in the early 1920's.
- SRWTP Plant Expansion Project (ZF52) completed in 2004. This project added treatment facilities that increased the capacity by 70 mgd.
- FWTP Plant Expansion Project (ZF43) completed in 2005. This project added treatment facilities that increased the capacity by 80 mgd.

The proposed study is the beginning of the 2nd phase of work at the treatment plants to assess the existing facility conditions, conduct operational tests that can improve plant performances, assess the reliability of the facilities, and develop a capital improvement program for rehabilitation and/or replacement of existing facilities.

Attachment 3

RESOLUTION NO.

Adopted by the Sacramento City Council

**CONSULTANT SERVICES AGREEMENT WITH CAROLLO ENGINEERS FOR
ENGINEERING SERVICES FOR THE DRINKING WATER TREATMENT PLANT
ASSESSMENT STUDY (PN: ZL61)**

BACKGROUND

- A. The City recognizes the need for a safe and reliable potable water supply to meet the current and future water needs of the City. The City's treatment plants were constructed in the 1920's and 1960's. In order to meet the City's growing water demands, a two phase approach was developed. The 1st phase of the program was to expand the treatment plant capacities and intake structures. This work was completed in 2004. The 2nd phase of the program is to address the older components of the treatment plants by perform a condition assessment, evaluate process functions, and develop a capital improvement program to rehabilitation and/or replacement treatment plant components.

- B. Staff recommends the selection of Carollo Engineers to perform a Drinking Water Treatment Plant Assessment Study on the existing surface water treatment plant facilities.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL
RESOLVES AS FOLLOWS:**

- Section 1. The City Manager is authorized to execute a Consultant Services Agreement with Carollo Engineers for preparation of a Water Treatment Plants Evaluation Study (PN: ZL61) for an amount not to exceed \$500,000.

- Section 2. The City Manager is authorized to transfer funds in the amount of \$365,000 to the Water Treatment Plant Evaluation Study (PN: ZL61, fund 413) from the Water Fund Base Reserve (PN:ZE46, fund 413).