



REPORT TO COUNCIL

City of Sacramento

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

Consent
January 26, 2010

Honorable Mayor and
Members of the City Council

**Title: Contract: Sacramento River Water Treatment Plant (SRWTP)
Flow Meter Installation Project (Z14007200)**

Location/Council District: Sacramento River Water Treatment Plant / Council
Districts 1.

Recommendation: Adopt a **Resolution:** 1) approving the contract plans and specifications for the Sacramento River Water Treatment Plant (SRWTP) Flow Meter Installation Project (Z14007200); and 2) awarding the contract to Koch Excavating, Inc. for an amount not-to-exceed \$ 127,550.

Contact: David L. Brent, Engineering Services Manager, 808-1420; Dan Sherry,
Supervising Engineer

Presenters: Not applicable

Department: Utilities

Division: Engineering Services

Organization No: 14001321

Description/Analysis

Issue: Operation of the Sacramento River Water Treatment Plant currently relies on inaccurate equipment to measure water flow through sections of the facility. To allow for a more efficient and effective means of operating the treatment plant, this project installs flow meters on an existing 18 inch filter wash water pipe and 42 inch discharge pipeline. These improvements install better tools to help City staff provide a safe and reliable water supply.

Policy Considerations: The requested action is in conformance with City Code Section 3.60, Articles I and III, which provides for the award of competitively bid contracts to the lowest, responsible bidder.

This report's recommendation is consistent with the City's Strategic Plan Goals of enhancing and preserving the neighborhoods and supporting the economic vitality of the area.

Environmental Considerations:

California Environmental Quality Act: The Development Services Department, Environmental Planning Services Division, has reviewed the proposed project and determined that it is categorically exempt from the provisions of CEQA under Class 1, Section number 15301 (b). Projects exempt under Class 1, Section 5301(b) provide for repair, maintenance or minor alteration of existing facilities used to provide sewerage or other public utility.

Sustainability Considerations: This project is consistent with the City's Sustainability Master Plan by providing a safe and reliable water supply to the residents.

Other: Not applicable

Commission/Committee Action: Not applicable

Rationale for Recommendation: After the plans and specifications were completed by the Department of Utilities, Engineering Services, on December 10, 2009 the project was formally advertised to solicit bids. On January 6, 2010, the City Clerk opened 7 bids. The lowest responsible bidder was Koch Excavating, Inc. Staff recommends the contract be awarded to Koch Excavating, Inc.

Financial Considerations: This report recommends awarding the construction contract to Koch Excavating, Inc for the bid amount of \$127,550. The total estimated project cost including design, construction, inspection and contingency is \$ 215,000. There is sufficient Water funding in the SRWTP Flow Meter Installation Project (PN:Z14007200, fund 6005) to complete the project.

Emerging Small Business Development (ESBD): This project included a participation goal of 20% for emerging and small business enterprise (ESBEs) as required by Ordinance 99-007 and Resolution 99-055, relating to ESBD participation goals and policies, adopted by the City Council on February 9, 1999. Koch Excavating, Inc exceeds this goal with an ESBD participation level of 100%.

Respectfully Submitted by:



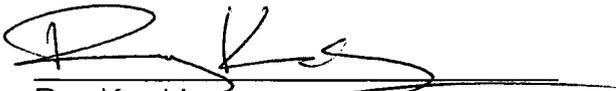
David L. Brent
Engineering Services Manager

Approved by:



Marty Hanneman
Director of Utilities

Recommendation Approved:



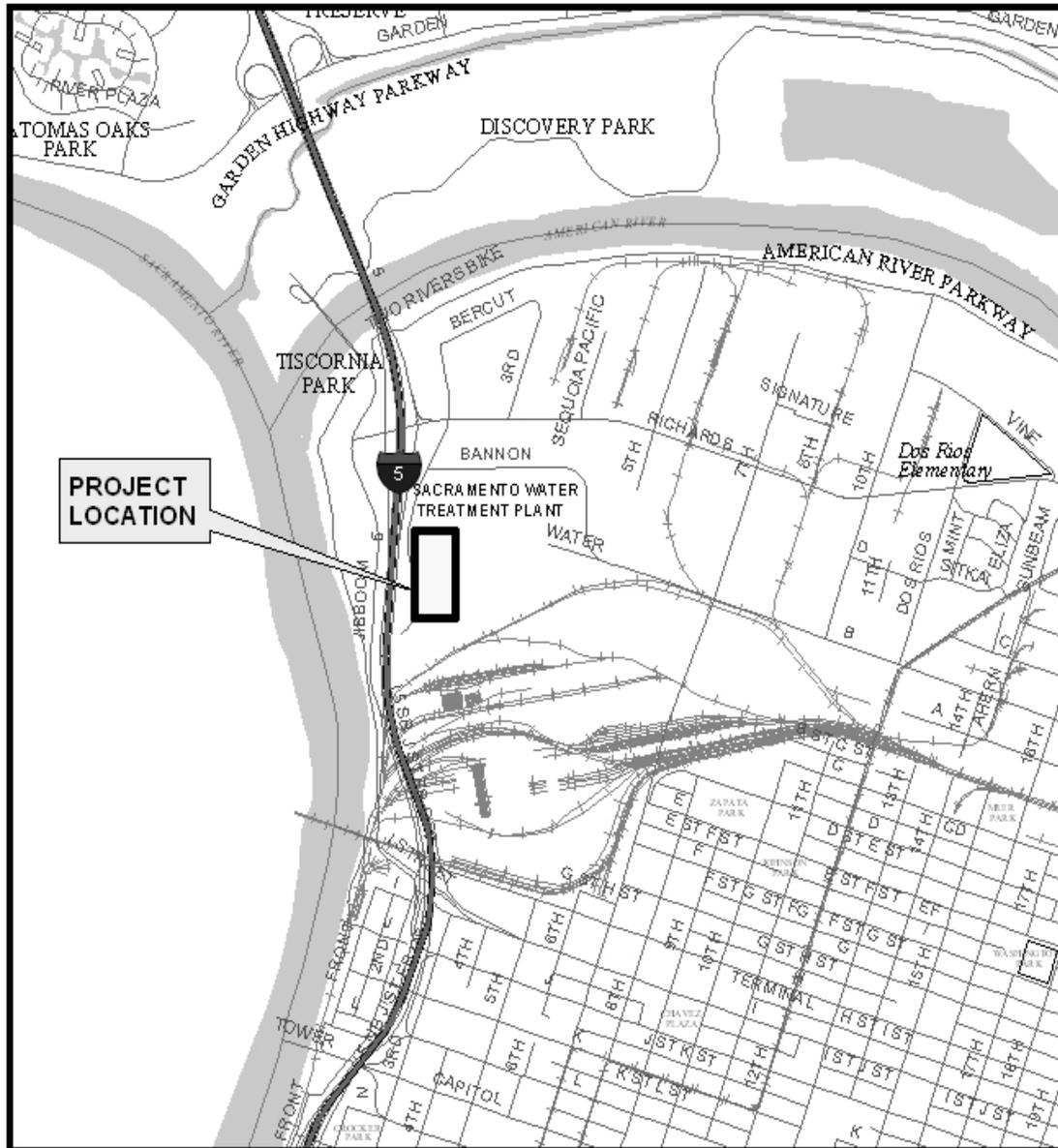
Ray Kerridge
City Manager

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ATTACHMENT 1

SACRAMENTO WATER TREATMENT PLANT (SRWTP) FLOW METER INSTALLATION PROJECT (PN: Z 14007200)



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Map Prepared By
City of Sacramento
Department of Utilities



Attachment 2**BACKGROUND**

This purpose of this project is to help ensure a safe and reliable water supply by providing better tools to operate the Sacramento River Water Treatment Plant. This project will install an 18 inch flow meter on the filter wash water pipeline and a 42 inch flow meter on the existing 42 inch discharge pipeline leaving the plant.

Currently, measurement of the filter wash water use is calculated based on pump run time, estimated pump flow and tank level by hand calculations and utilizing worksheets. This method is inaccurate and time consuming. Installing the 18 inch flow meter on the filter wash water pipeline will allow an accurate measurement of the flow and the data will be recorded and documented automatically on the SCADA system.

The treatment plant has an existing meter on a 42 inch discharge pipeline that is old, inaccurate and has exceed its useful life. The project will replace this old meter with a new 42 inch meter which will allow accurate flow data to be recorded and documented automatically on the SCADA system. The accurate determination of the amount of water leaving the treatment plant is critical to the plant operation and future water system planning.

The project was advertised for bid and seven (7) bids were received and opened on January 6, 2010.

The bids are summarized below:

No.	Bidder	Bid Amount	ESBD Percent Participation
1	Koch Excavating, Inc	\$ 127,550.00	100.00%
2	Clyde Steagall	\$ 133,088.00	45.41%
3	TNT Industrial, Inc	\$ 155,548.00	52.53%
4	Water Works Construction, Inc	\$ 160,000.00	100.00%
5	J R Sharp, Inc	\$ 171,000.00	100.00%
6	Tidelands Construction	\$ 174,500.00	55.89%
7	Civil Engineering Construction, Inc	\$ 174,800.00	56.19%

The Engineer's estimate for the construction cost was \$ 101,500.

Attachment 3

RESOLUTION NO.

Adopted by the Sacramento City Council

**Sacramento River Water Treatment Plant (SRWTP) Flow Meter
Installation Project (Z14007200)**

BACKGROUND

- A. The Sacramento River Water Treatment Plant (SRWTP) Flow Meter Installation Project (Z14007200) will help ensure a safe and reliable water supply by providing better tools to operate the Sacramento River Water Treatment Plant. This project will install an 18 inch flow meter on the filter wash water pipeline and a 42 inch flow meter on the existing 42 inch discharge pipeline leaving the plant.
- B. City staff prepared a set of plans and specifications for the project and the project was advertised for bidding, with bids received on January 6, 2010.
- C. Koch Excavating, Inc was the lowest responsible bidder.

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

- Section 1. The contract plans and specifications for the Sacramento River Water Treatment Plant (SRWTP) Flow Meter Installation Project (Z14007200) are approved, and the contract is awarded to Koch Excavating, Inc. for an amount not to exceed \$127,550.