



REPORT TO COUNCIL

City of Sacramento

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915 I Street, Sacramento, CA 95814-2671
www.CityofSacramento.org

Consent Item
August 23, 2005

Honorable Mayor and
Members of the City Council

Subject: Pioneer Reservoir Roof Repair (PN: XN23)

Location/Council District: 4

Recommendation:

Adopt a Resolution authorizing the City Manager to execute a Consultant Services Agreement with Black & Veatch Corporation in an amount not to exceed \$235,540.

Contact: Dave Brent, Engineering Services Manager, 808-1420
Rick Batha, Supervising Engineer, 808-1448

Presenters: Not Applicable

Department: Utilities

Division: Engineering Services

Organization No: 3331

Summary:

Staff has negotiated a Consultant Services Agreement with Black & Veatch Corporation to provide FY2005 consultant services for evaluation of the Pioneer Reservoir roof. The scope of services will include field and laboratory testing; engineering analyses; and preparation of conceptual repair cost estimates. A summary report will be provided. The report will evaluate basic conceptual repair options to obtain an additional 35-year useful reservoir life, plus an evaluation of a new roof to support a green-roof park.

Committee/Commission Action: None.

Background Information:

Pioneer Reservoir is in the "Docks" project planning area. The reservoir roof covers approximately 4-acres. It is a significant component of the City's combined sewer treatment/storage system. Operation of Pioneer Reservoir is an integral part of how the City complies with EPA and the Regional Water Quality Control Board NPDES permit.

Located west of Front St., east of the Sacramento River, and due north of the Pioneer Bridge, the 26-year-old roof is showing signs of early structural failure. At present, the reservoir is only about halfway thru its anticipated service life. Several roof beams are supported with temporary steel columns. Department staff installed the columns as an emergency measure to prevent collapse. It is not evident whether the structural failure is the result of corrosion, poor design, inappropriate materials, or poor construction quality control. It is prudent now to evaluate options to extend the useful service life.

In March and April of this year, the Utilities Department advertised for proposals and held consultant interviews. Black & Veatch was the selected consultant to investigate the cause of the roof failure and to evaluate repair options.

Following consultant selection, Utilities was asked by the City Economic Development Department to add evaluation of a green-roof park atop Pioneer Reservoir to the consultant's contract. Negotiations of this added contract scope item, plus access repairs that the City had to make have now been completed, and the Utilities Department is ready to award and proceed with this contract

Financial Considerations:

The negotiated Consultant Services Agreement is for an amount not to exceed \$235,540. Funding for this project will come from the Pioneer Reservoir Roof Repair capital improvement project (PN: XN23), which has a budget of \$300,000 and an unobligated balance of \$253,757 (fund 414/425), plus \$51,196, which will come from the Pioneer Bridge Development Project (PN: KD41), which has a budget of \$807,969 and an unobligated balance of \$287,030 (fund 206). This latter amount will pay for the additional scope of work to evaluate the "green roof" option.

Environmental Considerations:

This is an engineering study to collect data for evaluation of a critical facility, and is categorically exempt from California Environmental Quality Act (CEQA) requirements. CEQA Guideline section 15306 exempts actions associated with information collection and evaluation. The City's Office of Environmental Affairs will oversee the environmental review and documentation per CEQA of any construction project that may result from these consultant studies.

Policy Considerations:

Pioneer Reservoir is a critical facility to prevent localized flooding as well as untreated discharges from the City's combined sewer system into the Sacramento River. Repair of the facility will comply with Regional Water Quality Board requirements, and is consistent with the City's Strategic Plan Goal of achieving sustainability and livability.

Emerging Small Business Development (ESBD):

The consultant's proposed team complies w/ ESBD requirements for consultant service contract guidelines. Black & Veatch is not an ESBE, but they have included four small

and emerging subconsultants on their project team. Black & Veatch intends, via ESBE subconsultant involvement, to exceed the City's ESBE participation goal of 20%.

Respectfully Submitted by: 
David L. Brent
Engineering Manager

Approved by: 
Gary A. Reents
Director of Utilities

Recommendation Approved:

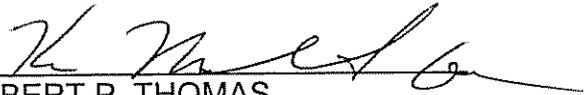

ROBERT P. THOMAS
City Manager

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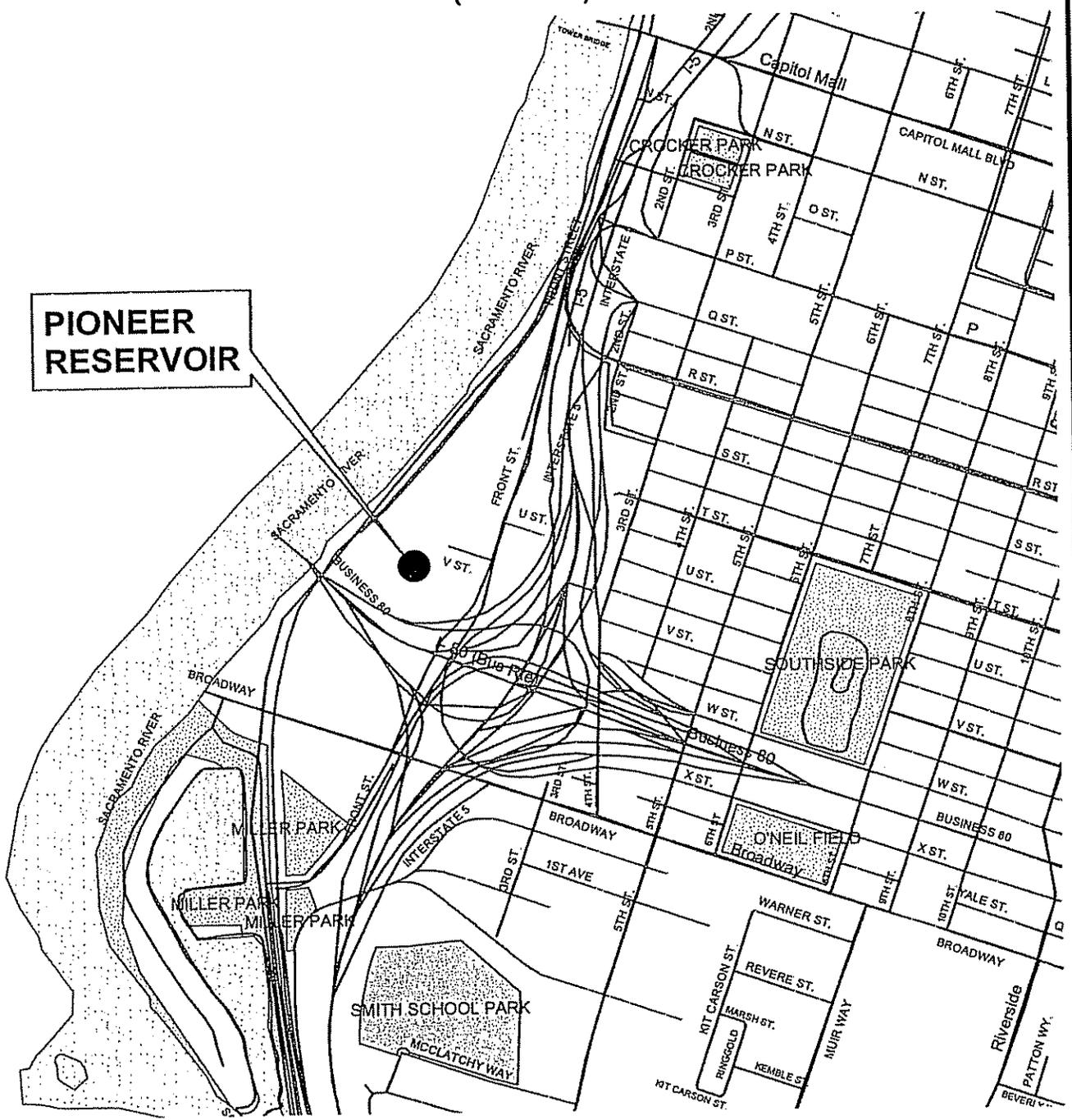
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VICINITY MAP

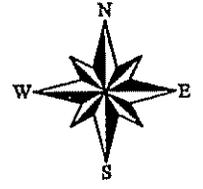
PIONEER RESERVOIR ROOF PROJECT

(PN: XN23)

PIONEER RESERVOIR



Map Prepared By
City of Sacramento
Department of Utilities



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RESOLUTION NO. 2005-

Adopted by the Sacramento City Council
August 23, 2005

**APPROVING AN AGREEMENT WITH BLACK & VEATCH FOR PIONEER RESERVOIR
ROOF CONSULTATION SERVICES**

BACKGROUND

- A. The 26-year-old Pioneer Reservoir roof is showing signs of early structural failure. Continued operation of Pioneer Reservoir is considered necessary for City compliance with Regional Water Quality Control Board waste discharge requirements.
- B. Based on the results of a consultant selection process, City staff has negotiated a consultant services agreement with Black & Veatch Corporation to provide material testing, structural analysis, estimating, and conceptual design services to evaluate repair of the reservoir roof.
- C. The services include efforts that support the redevelopment of the Docks Area, including a potential park over Pioneer Reservoir. Therefore, the cost is to be supplemented with funds from the Economic Development Department of the City of Sacramento.

**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 Black & Veatch for an amount not to exceed \$235,540.