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DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

1391-35TH AVENUE
SACRAMENTO, CA
95822-2911

WATER DIVISION

November 4, 1987

916-449-5271

APPROVED
BY THE CITY COUNCIL

NOV 4 1987

OFFICE OF THE
CITY CLERK

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: E.A. FAIRBAIRN WATER TREATMENT PLANT INTAKE REPAIRS

SUMMARY

Recent underwater inspection of the existing river intake structure at the E.A. Fairbairn Water Treatment Plant has disclosed significant foundation problems necessitating immediate study. It is recommended that \$75,000 be transferred from the Water Fund Contingency Reserve to begin further study of the problem and identify specific corrective alternatives. It is further recommended that the consultant selection process be waived and that the City Manager be authorized to negotiate and execute the necessary contracts with James M. Montgomery, Consulting Engineers, Inc. to complete the necessary study in an amount not to exceed \$75,000. This report was reviewed by the Budget and Finance Committee at their meeting earlier this afternoon.

BACKGROUND

A detailed report to the Budget and Finance Committee is attached.

FINANCIAL

Approval of the attached Resolution transferring \$75,000 to the Capital Improvement Budget will reduce the Water Fund Contingency Reserve by that amount.

City Council (con't.)...
November 4, 1987...
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RECOMMENDATION

It is recommended that the attached Resolution be adopted, authorizing the transfer of \$75,000 from the Water Fund Contingency Reserve to the Capital Improvement Budget, waiving the consultant selection process, and authorizing the City Manager to negotiate and execute contracts with James M. Montgomery, Consulting Engineers, Inc. to complete the work necessary to prepare remedial repair documents in an amount not to exceed \$75,000.

Respectfully submitted,

James G. Sequeira
JAMES G. SEQUEIRA
Water Division Manager

RECOMMENDATION APPROVED:

Walter J. Slipe, Jr.
For: WALTER J. SLIPE
City Manager

APPROVED:

Melvin H. Johnson
MELVIN H. JOHNSON
Director of Public Works

November 4, 1987
District 3

w/attachments



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BACKGROUND

As part of the Phase I design to expand the E.A. Fairbairn Water Treatment Plant authorized by the City Council on September 29, 1987 the engineering consultant, James M. Montgomery, Inc., began geotechnical exploration of the American River in the area of the proposed intake structure addition. Part of this task involved an underwater inspection of the existing river intake pier. This inspection, which was completed on October 7, 1987, identified significant structural problems on the upstream section of the pier's foundation. As can be seen on the attached exhibits a significant portion (about 25%) of the supporting steel pilings have been exposed. As a result of these findings the engineering consultant and his geotechnical subconsultant, Woodward-Clyde Associates, expressed great concern.

A meeting was convened on October 21, 1987 to review a video tape of the underwater inspection and to further discuss the problem. Present were City Water Division staff and representatives of the expansion consulting engineer, James M. Montgomery, Inc. and their geotechnical subconsultant, Woodward-Clyde Associates.

Following review and discussion of the video tape inspection City staff and the consultants discussed an outline of tasks necessary to completely identify the problem, its magnitude and urgency, and examine alternative remedial measures and their associated costs. This course of action is necessary as the underwater inspection was a cursory examination of the structure and much more specific and detailed information is necessary prior to fixing the problem. It is recommended that the formal consultant selection procedure be waived due to the urgency of completing the river explorations prior to heavy rains and resulting increased river flows.

This report addresses only the further identification and possible remedies of the structural problem. At this point in time it is impossible to predict what sort of costs will be associated with a permanent fix. Staff will report back to City Council when the study is completed.

FINANCIAL

The initial in-depth study necessary to identify the associated structural problems of the E.A. Fairbairn Water Treatment Plant's intake pier will require the transfer of \$75,000 from the Water Fund to the Capital Improvement Budget.


RECOMMENDATION

It is recommended that the attached Resolution be approved and forwarded to the City Council for adoption authorizing the transfer of \$75,000 from the Water Fund Contingency Reserve to the Capital Improvement Budget. It is further recommended that the consultant selection process be waived and the City Manager be authorized to negotiate and execute contracts

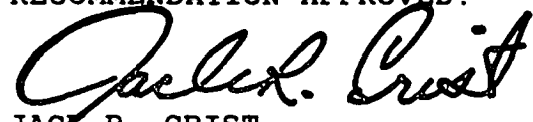
Budget and Finance Committee
November 4, 1987
Page 3

with James M. Montgomery, Consulting Engineers, Inc. to complete studies necessary to evaluate remedial repair alternatives in an amount not to exceed \$75,000.


Respectfully submitted,


JAMES G. SEQUEIRA
Water Division Manager

RECOMMENDATION APPROVED:


JACK R. CRIST
Deputy City Manager

APPROVED:


MELVIN H. JOHNSON
Director of Public Works

w/attachments

November 4, 1987
District 3

RESOLUTION NO. 77-98

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

APPROVED
BY THE CITY COUNCIL
NOV 1987
OFFICE OF THE
CITY CLERK

**RESOLUTION TRANSFERRING \$75,000 FROM WATER FUND
TO THE CAPITAL IMPROVEMENT BUDGET, WAIVING THE CONSULTANT
SELECTION PROCESS**

AND

**AUTHORIZING THE CITY MANAGER TO NEGOTIATE
AND EXECUTE CONTRACTS WITH JAMES M. MONTGOMERY,
CONSULTING ENGINEERS, INC. IN AN AMOUNT NOT TO
EXCEED \$75,000 FOR WORK ASSOCIATED WITH REPAIR OF
THE E.A. FAIRBAIRN WATER TREATMENT PLANT INTAKE STRUCTURE**

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. The Capital Improvement Budget is hereby amended by transferring \$75,000 from the Water Fund Contingency Reserve (4-13-710-7012-4999) to the E.A. Fairbairn Water Treatment Plant Intake Repair Project (4-13-500-XXXX-4820).
2. The consultant selection process is hereby waived and the City Manager is authorized to negotiate and execute contracts with James M. Montgomery, Consulting Engineers, Inc. in an amount not to exceed \$75,000 for work associated with repair of the E.A. Fairbairn Water Treatment Plant's intake structure.

MAYOR

ATTEST:

CITY CLERK

CITY CLERK

ATTEND:

MAJOR

Development Branch, a public utility.
work associated with repair of the E.V. Baird and
Engineers' Inc. in an amount not to exceed \$12,000 for
contracts with James M. McDonough, consulting
the City Manager is authorized to negotiate and execute
the consultant selection process is hereby waived and

(4-13-200-XXXX-8850).

Major Development Branch, a public utility project
number (4-13-110-1015-8888) to the E.V. Baird and
Engineers' Inc. in an amount not to exceed \$12,000 from the Major Fund
the Capital Improvement Budget is hereby waived by

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

THE E.V. BAIRD AND ENGINEERS' INC. IN AN AMOUNT NOT TO
EXCEED \$12,000 FOR WORK ASSOCIATED WITH REPAIR OF
CONSULTING ENGINEERS' INC. IN AN AMOUNT NOT TO
AND EXECUTE CONTRACTS WITH JAMES M. MCDONOUGH,
AUTHORIZING THE CITY MANAGER TO NEGOTIATE
AND
SELECTION PROCESS
TO THE CAPITAL IMPROVEMENT BUDGET, WAIVING THE CONSULTANT
RESOLUTION TRANSFERRING \$12,000 FROM MAJOR FUND

*Corrected
over*

26

December 8, 1987

James M. Montgomery
Consulting Engineers, Inc.
455 University Avenue, Suite 100
Sacramento, CA 95825

Dear Gentlemen:

On November 4, 1987, the Sacramento City Council adopted a Resolution No. 87-918 authorizing the execution of City Agreement #87107A, for work associated with repair of the E.A. Fairbairn Water Treatment Plant Intake Structure.

Enclosed, for your records, is one fully certified copy of said agreement and authorizing resolution.

Sincerely,

LORRAINE MAGANA
CITY CLERK

LM/cc/26

Enclosure

cc: Public Works
Risk Management