

JUN 14 1994



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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[Signature] 7-2
EXECUTIVE SECRETARY

May 25, 1994

To: Board of Directors (Engineering and Operations Committee--Action)
Board of Directors (Finance and Insurance Committee--Action)

From: General Manager

Subject: Revision No. 1 to Appropriation No. 597 to Increase Funding from \$215,000 to \$630,000 to Finance All Costs in Advance of Award of a Construction Contract for Seismic Modifications at the San Jacinto Diversion Structure

Report

The San Jacinto Tunnel, West Portal Diversion Structure (Diversion Structure), was built in 1939 in a seismically active area at the west end of the San Jacinto Tunnel at the base of the San Jacinto Mountains. It is essential to the operation of the Colorado River Aqueduct (CRA) because it directs the flow of CRA water from the tunnel into the first and second barrels of the Casa Loma Siphons, the San Jacinto Pipeline, and the Eastern Municipal Water District facilities.

In March 1990, your Board approved Appropriation No. 597, in the amount of \$215,000, to finance all estimated costs for a slope stability analysis of the hillside adjacent to the Diversion Structure and preparation of environmental documentation, and authorized the General Manager to enter into an agreement with Dames and Moore, consultants, to provide geotechnical engineering services for this analysis.

The slope stability analysis has been completed. Based on the results of this investigation, it is concluded that the existing Diversion Structure would likely suffer major damage which would result in an extended shutdown of the facility in the event of a maximum earthquake-induced landslide from the adjacent slope. Exercising his authority to enter into agreements in amounts under \$250,000, the General Manager entered into Agreement No. 3564 with Meyers, Nelson, Houghton, Inc., to perform a preliminary structural investigation of the Diversion Structure, at a total cost of \$85,000. Based on their investigation, they recommended construction of a protective roof over the Diversion Structure.

In December 1993, RFP No. 101 was issued to solicit proposals to provide engineering services for final design and construction support for a protective roof structure at the Diversion Structure. Two proposals were received in January 1994, and Myers, Nelson, Houghton, Inc., was selected because of its qualifications and experience in accomplishing this type of work. Myers, Nelson, Houghton, Inc. is an equal opportunity employer. RFP No. 101 established Minority-Owned Business Enterprise (MBE) and Women-Owned Business Enterprise (WBE) subcontracting participation goals of 12% MBE and 3% WBE. Myers, Nelson, Houghton, Inc. achieved 14% certified MBE participation and 3% certified WBE participation. The MBE and WBE subcontractors are listed in Attachment B.

It is now proposed to enter into an Agreement with Myers, Nelson, Houghton, Inc. to provide engineering services for final design and construction support in a total amount not to exceed \$230,000, including expenses, and to proceed with design of the protective roof structure. Design review, review and completion of the consultant's specifications, and advertising for bids would be accomplished by District personnel. The total estimated cost in advance of award of a construction contract is \$630,000. A breakdown of costs is shown in the attached Financial Statement.

The proposed project is exempt from the provisions of the California Environmental Quality Act in that it consists of the minor alteration to an existing facility with no expansion of use.

Board Committee Assignments

This letter is referred for action to:

The Engineering and Operations Committee because of its jurisdiction over the initiation, scheduling, and performance of construction programs, pursuant to Administrative code Section 2431 (b); and

The Finance and Insurance Committee because of its responsibility to study, advise and make recommendations with regard to authorization of appropriations, pursuant to Administrative Code Section 2441 (d).

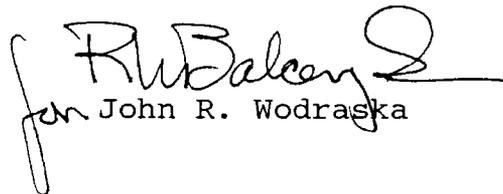
Recommendations

ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.

It is recommended that your Board authorize the General Manager to have all work performed, other than work to be performed under construction contracts involving an expenditure of \$250,000 or more, for a protective roof structure at the San Jacinto Diversion Structure.

FINANCE AND INSURANCE COMMITTEE FOR ACTION.

It is recommended that the Board authorize an increase of \$415,000 in Appropriation No. 597 from the Pay-As-You-Go Fund to a total of \$630,000, to finance all estimated costs in advance of award of a construction contract for a protective roof structure at the San Jacinto Diversion Structure.


for John R. Wodraska

CHT:jj/aj
(bdapr:apr-597.rv1-05124)
Attachments

Attachment A

Financial Statement
(Fiscal Year 1994/95 Capital Program No. 5-5970-11)

A breakdown of the estimated costs in advance of award of a contract is as follows:

	<u>Initial Funding</u>	<u>Revision No. 1</u>
Labor:		
Engineering	\$ 24,000	\$ 91,000
Materials and Supplies	0	2,000
Incidental Expenses	2,000	2,000
Professional and Technical Services		
Dames and Moore		
Geotechnical Investigation	85,000	85,000
Myers, Nelson, Houghton Inc.		
Preliminary Structural Investigation	85,000	85,000
Final Design	<u>0</u>	<u>230,000</u>
TOTAL P&T SERVICES	\$ 170,000	\$ 400,000
Administrative Overhead	11,000	50,200
Contingencies	<u>8,000</u>	<u>84,800</u>
TOTAL	\$ 215,000	\$ 630,000

Source of Funds: Pay-as-You-go Fund

Projected Expenditures of Funds:

Through Fiscal Year 1993/94	\$ 215,000
Fiscal Year 1994/95	365,000
Fiscal Year 1995/96	<u>1,376,000</u>
TOTAL PROJECT COST	\$ 1,956,000

Estimated Funds Required:

Initial	\$215,000
Revision No. 1	630,000
Additional	<u>1,111,000</u>
TOTAL	1,956,000

(Financial Statement Continued)

Fiscal Year 1994/1995 Capital Projects Program:

Estimated Program Cost	\$ 1,956,000
Program Estimate for Fiscal Year 1994/95	\$ 730,200

Class One:

Projects directly related to delivery of water.

Project Benefit:

Construction of the protective roof structure would minimize damage to the diversion structure and the disruption of water deliveries, in the event of an earthquake that causes a major landslide of the adjacent slope.

Attachment B

MBE/WBE participation of the consultant firm of Myers, Nelson, Houghton, Inc. to perform final design and construction support at the San Jacinto Diversion Structure:

<u>Subconsultants</u>	<u>Type of Service</u>	<u>MBE%</u>	<u>WBE%</u>
Rubicon Engineering	Structural		3.0%
D'Leon Engineering	Civil	8.0%	
William J. Yang Associates	Mechanical/Electrical	3.0%	
Iskander Associates	Cost	<u>3.0%</u>	_____
	Total Participation	14.0%	3.0%