

JUL 12 1994



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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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EXECUTIVE SECRETARY

June 28, 1994

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

From: General Manager

Subject: Revision No. 10 to Appropriation No. 560 for the Domenigoni Valley Reservoir to Increase Funding from \$420,970,000 to \$421,957,000 to Finance All Estimated Costs for the Domenigoni Valley Project High-Water Road and to Award a Construction Contract.

Report

In November 1993, your Board approved Revision No. 9 for a total amount of \$420,970,000 to finance remaining costs for land acquisition, design, and mitigation in advance of award of major construction contracts for the Domenigoni Valley Reservoir Project. The total estimated cost of constructing Domenigoni Valley Reservoir and related facilities is \$1,837,700,000 (see attachment A).

The High-Water Road consists of a time and material contract to complete sections of an existing high-water road in the Domenigoni Valley. The roadway sections are along steep mountainous terrain and shall require cutting the mountain slope to create a road and placing fill to stabilize the road embankment. The road will provide essential access for security vehicles throughout construction of the reservoir, and will provide a fire break and added buffer between the valley floor and the Multi-species Reserve in the mountain slopes above the valley. The contract will also provide equipment for maintenance of existing roadways and facilities, and facilitate remaining site clearing and removal of structures from the valley on an as-needed basis.

Fourteen (14) bids have been received and opened under Specifications No. 1284, as amended, for construction of the High-Water Road. The bids are shown on the attached abstract of bids. The low bid of Calnex Engineering Co. in the amount of \$692,600 complies with the requirements of the specifications, is \$147,600 below the next lowest bid, and is \$410,400 below the engineer's estimate (see attachment B). The Contractor is qualified to perform this work. Metropolitan has adopted a policy encouraging the participation of minority-

owned and women-owned business enterprises, but the policy has been determined not to be applicable due to lack of subcontractor participation opportunities.

A \$987,000 increase in Appropriation No. 560 is required to finance all remaining costs of the High-Water Road. The total estimated cost of the High-Water Road is \$987,000 (see attachment C).

All California Environmental Quality Act (CEQA) requirements have been satisfied for the proposed action. In October 1991, your Board certified the Final Environmental Report for the Domenigoni Valley Reservoir Project (Eastside Reservoir Project). This action satisfied the provisions of CEQA in regard to this matter and no further environmental documentation or reviews are necessary for your Board to take action on the request.

Board Committee Assignments

This letter is referred for action to:

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

The Finance and Insurance Committee because of its jurisdiction over appropriations pursuant to Administrative Code Section 2441(d).

Recommendations

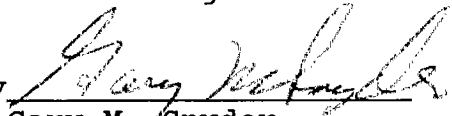
ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.

It is recommended that a contract in the amount of \$692,600 be awarded to Calnex Engineering Co. for construction of the High-Water Road and that, conditioned upon execution of the contract, all other bids be rejected, in form as approved by the General Counsel.

FINANCE AND INSURANCE COMMITTEE FOR ACTION.

It is recommended that your Board authorize an increase of \$987,000 in Appropriation No. 560 from the 1992 Revenue Bond Construction fund, to a total of \$421,957,000, for construction of the High-Water Road.

John R. Wodraska
General Manager

By 
Gary M. Snyder
Chief Engineer

Concur:



John R. Wodraska
General Manager

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Attachments

Attachment A

FISCAL STATEMENT
 Domenigoni Valley Reservoir and Related Facilities
 (Program No. 5-5600-11)

Project Summary:

	Total Project		Pre-Construction
	Project Budget	Project Forecast	Total Appropriation
Planning	15,000,000	15,000,000	15,000,000
Land	208,000,000	238,000,000	238,000,000
Mitigation	61,000,000	61,000,000	49,000,000
Design	105,000,000	105,000,000	105,000,000
Construction	1,229,700,000	1,229,700,000	
Recreation	33,000,000	33,000,000	
Contingency	186,000,000	156,000,000	
TOTAL.....	\$1,837,700,000	\$1,837,700,000	\$407,000,000

Total Appropriation Incl.
 Project Field Office,
 San Diego Canal Construction,
 and High-Water Road \$ 421,957,000

Appropriation Summary:

	Rev. No. 9	Rev. No. 10
Labor and Additives	\$ 14,275,276	\$ 14,393,576
District Furnished Equipment	202,000	202,000
Incidental Expenses	2,805,000	2,826,000
Professional Services	126,400,000	125,901,842
Right of Way Acquisition	244,000,000	244,000,000
Operating Equipment	13,905,000	13,905,000
Administrative Overhead	6,994,966	7,060,266
Construction	11,105,036	12,218,056
Construction Contingency	1,282,722	1,450,260
TOTAL.....	420,970,000	421,957,000

Estimated Funds Required:

Initial	\$8,300,000
Revision No. 1	5,000,000
Revision No. 2	45,000,000
Revision No. 3	20,000,000
Revision No. 4	15,600,000
Revision No. 5	12,000,000
Revision No. 6	189,100,000
Revision No. 7	12,300,000
Revision No. 8	112,000,000
Revision No. 9	1,670,000
Revision No. 10	987,000
Additional	1,415,743,000
TOTAL.....	\$1,837,700,000

**Fiscal Statement
(Program No. 5-5600-11)**

- 2 -

Attachment A

Source of Funds:

1992 Revenue Bond Construction Fund

Class One:

Projects directly related to
delivery of water.

Projected Expenditures of Funds:

Through Fiscal Year 1992/93	251,800,000
Fiscal Year 1993/94	112,100,000
Fiscal Year 1994/95	88,900,000
Fiscal Year 1995/96	360,800,000
Fiscal Year 1996/97	315,500,000
Fiscal Year 1997/98	312,500,000
Fiscal Year 1998/99	321,300,000
Fiscal Year 1999/2000	63,700,000
Fiscal Year 2000/01	5,900,000
Fiscal Year 2001/02	5,200,000

TOTAL.....\$1,837,700,000

ATTACHMENT B

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Abstract of Bids Received June 2, 1994, at 2:00 p.m.

Specifications No. 1284, as Amended

*Completion of Domenigoni Valley Reservoir
High-Water Road Project*

The work under these specifications consists of completion of sections of an existing high-water road in the Domenigoni Valley. The sections lie along mountainous terrain and will require cutting of the mountain slope to create a road, and placement of fill to stabilize the road embankment. This work is to be completed no later than March 31, 1995.

Engineer's Estimate: \$1,103,000

Bidder & Location	Water Truck	Motor Grader	Dozer Over 285 hp	Dozer 200-285 hp	Compactor	Grade Checkers	Laborers	Water Supply	Total
Calex Engineering Co. Newhall, CA	\$127,900	\$30,300	\$214,500	\$174,300	\$32,200	\$88,000	\$15,400	\$10,000	\$692,600
Altfillisch Contractors, dba / CI Corona, CA	\$174,100	\$37,500	\$256,800	\$222,600	\$38,200	\$93,000	\$13,000	\$5,000	\$840,200
Mesa Contracting Corporation Orange, CA	\$195,400	\$33,800	\$221,200	\$221,200	\$27,600	\$102,000	\$13,600	\$28,100	\$842,900
Avanco Constructors, Div. of Zurn Constructors, Inc. Upland, CA	\$185,400	\$31,200	\$258,400	\$222,400	\$42,800	\$100,000	\$16,000	\$5,000	\$861,200

(over)

40931

Bidder & Location	Water Truck	Motor Grader	Dozer Over 285 hp	Dozer 200-285 hp	Compactor	Grade Checkers	Laborers	Water Supply	Total
McLaughlin Engineering & Mining, Inc. Temecula, CA	\$195,200	\$34,600	\$255,340	\$255,340	\$27,996	\$98,020	\$15,556	\$31,000	\$913,052
Roy E. Ladd, Inc. Redding, CA	\$205,000	\$43,400	\$278,400	\$227,400	\$37,950	\$100,000	\$16,400	\$22,094	\$930,644
Buck Kemmis Equipment, Inc. Murrieta, CA	\$174,620	\$35,920	\$306,320	\$255,060	\$35,520	\$98,000	\$15,600	\$22,960	\$944,000
Riverside Construction Company Riverside, CA	\$162,800	\$29,800	\$337,800	\$271,400	\$34,600	\$88,000	\$14,800	\$5,000	\$944,200
Lamary & Associates, Inc. Cypress, CA	\$210,200	\$42,100	\$291,000	\$271,000	\$41,000	\$84,000	\$16,800	\$16,192	\$972,292
American Contracting, Inc. Temecula, CA	\$174,600	\$36,800	\$281,200	\$241,000	\$40,800	\$100,000	\$14,000	\$97,500	\$985,900
Fleming Engineering, Inc. Cerritos, CA	\$191,240	\$36,100	\$307,300	\$285,100	\$34,800	\$104,000	\$15,600	\$24,000	\$988,140
Vance Corporation Rialto, CA	\$165,660	\$34,900	\$283,600	\$272,400	\$32,700	\$94,000	\$14,400	\$146,400	\$1,044,060

Attachment C

COST SUMMARY
HIGH-WATER ROAD

The total cost breakdown for the High-Water Road is shown below:

Construction Specification No. 1265	\$ 692,600
Labor:	
Preliminary Engineering, Final Engineering, and Preparation of Specifications	
Post Design	
Contract Administration Inspection and Survey	118,300
Labor Subtotal	118,300
Materials and Supplies	
Incidental Expenses	21,000
Professional Services	
Operating Equipment Use	
Administrative Overhead	65,300
Contingencies	89,800
TOTAL	987,000