

- **Board of Directors**
Diamond Valley Recreation Special Committee

October 8, 2002 Board Meeting

8-7

Subject

Appropriate \$750,000 and enter into an agreement, not to exceed \$575,000, to provide geotechnical studies of the Diamond Valley Lake East Recreation Area

Description

The East Recreation Area at the Diamond Valley Lake (DVL) is planned for the area immediately adjacent to the East Dam. Although the area has been rough graded as part of the East Dam construction, the site currently remains in an undeveloped state. Geotechnical investigations performed in conjunction with the initial design of the Southern California Water Education Center and the Western Center for Archeology and Paleontology, collectively referred to as the Museums, indicated that further geotechnical studies are warranted.

As part of the DVL East Dam construction, excess material was spread over a large portion of the East Recreation Area. Accordingly, the spoil material was not placed as engineered fill in an effort to control costs. The spoil material was placed directly over existing loose alluvial soils present over most of the East Recreation Area. Construction of the DVL East Dam has also altered the natural hydrologic patterns in the area resulting in the raising of the groundwater table beneath the East Recreation Area. The rising groundwater coupled with the loose alluvial materials creates the potential for liquefaction under seismic conditions.

The consequences of liquefaction, and the costs associated with mitigation, vary depending upon actual subsurface conditions, and proposed land use. Earlier geotechnical investigations indicate that the liquefaction potential is variable in the East Recreation Area. Prior geotechnical analyses also indicate that such mitigation can be costly. Mitigation costs associated with the development of the East Recreation Area can be better estimated and potentially reduced by conducting further geotechnical exploration and analyses. These geotechnical studies would be conducted throughout the entire East Recreation Area to aid in development planning by identifying those areas most advantageous for planned structures with the lowest mitigation costs.

Recently, a Request for Qualifications (RFQ No. 528) was issued to solicit the qualifications of consultants providing geotechnical services. Those services required for the East Recreation Area are among the services identified in the RFQ. Accordingly, the same pool of respondents was used for the selection process. By using the respondents, another RFQ did not have to be issued. Prior to final board action, a qualified candidate will be named to provide the services, and a professional services contract will be negotiated in an amount not to exceed \$575,000.

This board action will authorize and fund those geotechnical investigations necessary to proceed with the development of the DVL East Recreation Area. A detailed financial statement is included as [Attachment 1](#).

Policy

Metropolitan Water District Administrative Code § 5108: Capital Project Appropriation
Metropolitan Water District Administrative Code § 8117: Professional and Technical Consultants

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

A conceptual overview on a DVL Recreation program/plan, including related geotechnical analysis, was first discussed in the 1991 Final Environmental Impact Report (Final EIR) for the Eastside Reservoir Project, now known as the DVL Program. The current board letter seeks funding for awarding an agreement to provide geotechnical studies within the DVL East Recreation Area. The Final EIR was certified by the Board in October 1991. During that same meeting, the Board also approved the Findings of Fact, the Mitigation Monitoring and Reporting Program, the Statement of Overriding Considerations, and the DVL Program. This documentation fully complies with CEQA and the State CEQA Guidelines, and as such, no further CEQA documentation is necessary for the Board to act on the proposed actions.

The CEQA determination is: Determine that the proposed actions have been previously addressed in the certified 1991 Final EIR for the DVL Program and that no further environmental analysis or documentation is required.

CEQA determination for Option #2:

None required

Board Options/Fiscal Impacts

Option #1

Adopt the CEQA determination and

- a. Increase Appropriation No. 15334 by \$750,000; and
- b. Authorize award of agreement for geotechnical services to the named candidate in an amount not to exceed \$575,000.

Fiscal Impact: \$750,000 in unbudgeted CIP funds

Option #2


Do not authorize additional geotechnical analysis. Selection of this option will require that future site-selection activities for planned structures at the DVL East Recreation area will be conducted without the benefit of planning-level geotechnical studies to identify those areas most advantageous for planned structures with the lowest mitigation costs. The locations selected for the proposed facilities and land uses may not be optimal for the existing site conditions, resulting in greater foundation and construction costs for required mitigation.

Fiscal Impact: No immediate impact. Future design and construction costs may increase.

Staff Recommendation

Option #1

	9/20/2002
Roy L. Wolfe Manager, Corporate Resources	Date

	9/22/2002
Ronald R. Gastelum Chief Executive Officer	Date

Attachment 1 – Financial Statement for Diamond Valley Lake East Recreation Area

Financial Statement for Diamond Valley Lake Recreation Program

A breakdown of Board Action No. 2 for Approp. No. 15334 for geotechnical studies at the DVL East Recreation Area is as follows:

	Previous Board Action No. 1 (Jan. 2000)	Current Board Action No. 2 (Sept. 2002)	New Total Appropriated Amount
Labor			
Studies and Investigations	\$ 0	\$ 0	\$ 0
Design and Specifications	0	0	0
Owner Costs (Program Management, Environmental Docs., Control System Integration, Bidding Process)	3,406,000	100,000	3,506,000
Water System Operations (Metropolitan Force Installation and Construction, Water Quality)	0	0	0
Materials and Supplies	0	0	0
Incidental Expenses	94,000	0	94,000
Professional/Technical Services	7,300,000	575,000	7,875,000
Equipment Use	0	0	0
Contracts	2,100,000	0	2,100,000
Remaining Budget	0	75,000	75,000
Total	\$ 12,900,000	\$ 750,000	\$ 13,650,000

Funding Request

Program Name:	Diamond Valley Lake Recreation		
Source of Funds:	Construction Funds (General Obligation, Revenue Bonds, Pay-as-You-Go)		
Appropriation No.:	15334	Board Action No.:	2
Requested Amount:	\$ 750,000	Capital Program No.:	15334-R
Total Appropriated Amount:	\$ 13,650,000	Capital Program Page No.:	E-25
Total Program Estimate:	\$ 58,750,000	Program Goal:	Other