

- **Board of Directors**
Engineering and Operations Committee

February 12, 2002 Board Meeting

8-1

Subject

Authorize \$208,000 for a Capital Investment Plan project for final design and construction of a road crossing to restore access to the Yorba Linda Feeder Portal Structure (Approp. 15377)

Description

In October 2001, Metropolitan's Board authorized commencement of the Distribution System Rehabilitation Program (Approp. 15377). The program's objective is to evaluate risks and vulnerabilities of Metropolitan's distribution system, and to identify cost-effective options to address those risks through rehabilitation, repair or replacement. Six projects and two studies were identified at that time, including the restoration of access to the Yorba Linda Feeder Portal Structure. The initial scope of this project included preliminary design and preparation of environmental documentation, which has now been completed. At this time, the next phase of work, consisting of final design and construction, is ready to proceed. Initiating this next phase in a timely manner will provide cost savings by allowing this work to be combined with another construction contract involving similar work in the vicinity of the portal structure.

The portal access structure is located in Chino Hills State Park. Metropolitan's maintenance crews need to periodically access the portal structure to maintain the air release and plug valve located therein. The road leading to the portal structure and its culvert-type crossing at Telegraph Creek were damaged and rendered impassable by heavy storm water runoff over the past few years. The three culverts that supported the roadway as it crossed the creek are clogged with sediment and debris. Other portions of the road have also become overgrown with natural vegetation, and maintenance vehicles can no longer reach the valve structure.

The proposed project represents the most cost-effective method to re-establish access to the valve structure. An alternative solution involving repair of the existing culvert-type crossing was determined to be neither cost-effective nor environmentally responsible as it would involve the removal of vast amounts of sediment and debris that have accumulated in the creek bed up to 1/4 mile upstream of the crossing. Grading a new road along the Yorba Linda Feeder easement was also ruled out for high costs and excessive environmental impacts. This road would involve bulldozing up to 1,000 feet of wetlands within Chino Hills State Park.

The proposed project involves replacement of the culvert-type crossing at Telegraph Creek with a small structure to span the creek crossing, and construction of a new access road and a truck turnaround area adjacent to the valve structure.

This project was evaluated and recommended by Metropolitan's Capital Investment Plan (CIP) Evaluation Team and is included in the fiscal year 2001/2002 budget. See [Attachment 1](#) for the Financial Statement, and [Attachment 2](#) for the Location Map.

The preliminary estimate of construction for the six currently identified projects within the Distribution System Rehabilitation Program is \$8,515,000. Based on a design budget of \$978,000, the ratio of design to construction for these six projects is approximately 11.5 percent. For this proposed action, the ratio of design to construction for the subject project is approximately 6.7 percent based on a design budget of \$8,000 and a construction estimate of \$120,000. The low design costs for this project reflect the efficiencies of combining this work into a construction contract being prepared for similar work at a crossing of Carbon Canyon Creek (also within Chino Hills State Park).

Policy

Metropolitan Water District Administrative Code § 5108: Capital Projects Appropriation

California Environmental Quality Act (CEQA)

CEQA determination for Staff Recommendation:

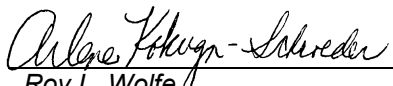
To comply with CEQA, Metropolitan as the Lead Agency prepared a Mitigated Negative Declaration (MND) on this proposed project. The MND was distributed for a 30-day public review period beginning on November 30, 2001. This environmental document includes the Initial Study and Environmental Checklist form that can be found at Metropolitan’s Executive Offices. Attachment 3 contains comment letters received during the public review period along with responses to the comments. As stated in the State CEQA Guidelines (Section 15074), the Board of Directors is required to review and consider the MND, the Initial Study, and comments received during the public review period prior to the adoption of the MND. Adoption of the MND is dependent on the finding by the Board that, based on the whole record before it, there is no substantial evidence that, with the mitigation measures required by the MND, the proposed project will have a significant impact on the environment. In addition, the MND reflects the Lead Agency's independent judgment and analysis. Attachment 4, The Mitigation Monitoring and Reporting Program (MMRP) required under CEQA Section 21081.6 must also be adopted by the Board prior to project approval. All of the above documentation, including other materials that constitute the record of proceedings upon which the Lead Agency decision is based, has been and will be on file with Metropolitan located at 700 North Alameda Street, Los Angeles, CA.

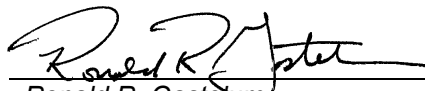
The CEQA determination is: Review and consider the information in the MND, Initial Study, and comments received during the public review period; adopt the MND for the proposed project; and adopt the MMRP.

Staff Recommendation

Adopt the CEQA determination and authorize \$208,000 for final design and construction of a road crossing to restore access to the Yorba Linda Feeder Portal Structure.

Fiscal Impact: \$208,000 in budgeted CIP funds. This action would increase program funds from \$4.135 million to \$4.343 million.

for  1/28/2002
Roy L. Wolfe Date
Manager, Corporate Resources

 1/29/2002
Ronald R. Gastelum Date
Chief Executive Officer

[Attachment 1 – Financial Statement](#)

[Attachment 2 – Location Map](#)

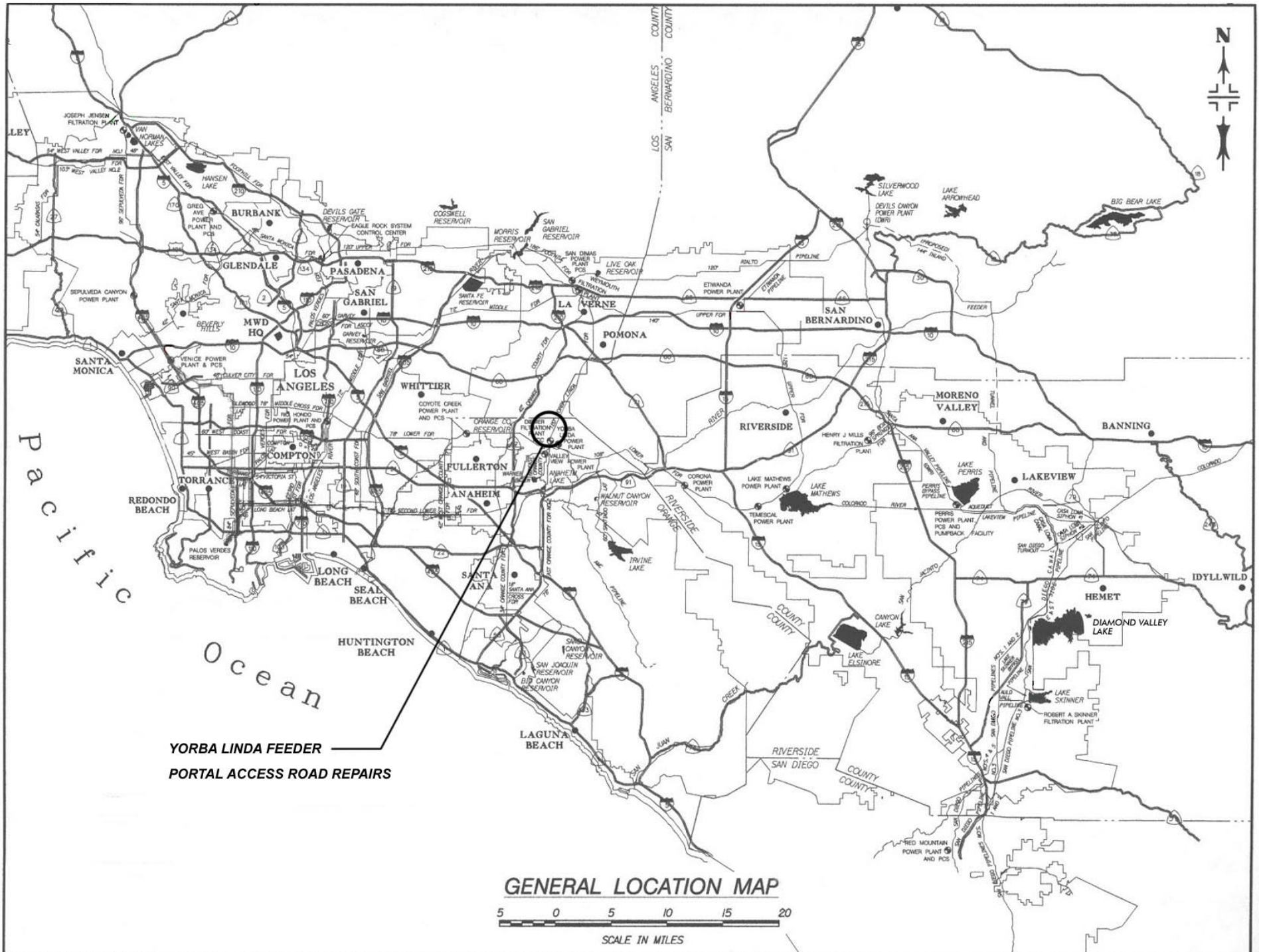
Financial Statement for Yorba Linda Feeder – Distribution System Rehabilitation Program

A breakdown of Board Action 2 for Appropriation No. 15377 to authorize \$208,000 and adopt a Mitigated Negative Declaration for one Capital Investment Plan project for final design and construction of a road crossing to restore access to the Yorba Linda Feeder Portal Structure.

	BOARD ACTION NO. 1 (Oct. 2001)	BOARD ACTION NO. 2 (Feb. 2002)
Labor		
Studies and Planning	\$ 405,000	\$ 405,000
Design	970,000	978,000
District Forces (Construction, Utility Search)	260,000	260,000
Construction Management and Inspection	38,000	58,000
Owner Costs (Project Management, Water Quality, Environmental Studies and Permitting)	330,000	380,000
Materials and Supplies	790,000	790,000
Incidental Expenses	75,000	75,000
Professional and Technical	365,000	375,000
Right of Way and Land (Temporary Easements)	115,000	115,000
Operating Equipment	89,000	89,000
Construction Contract	198,000	318,000
Remaining Budget	500,000	500,000
Total	\$4,135,000	\$4,343,000

Funding Request

Program Name:	Distribution System Rehabilitation Program		
Source of Funds:	Construction Funds (Possibly General Obligation, Revenue Bonds, or Pay-As-You-Go Fund)		
Appropriation No.:	15377	Board Action No.:	2
Requested Amount:	\$ 208,000	Capital Program No.:	01212-I
Total Appropriated Amount:	\$ 4,343,000	Capital Program Page No.:	22
Total Program Estimate:	\$ 12,000,000	Program Goal:	R-Reliability



GENERAL LOCATION MAP

5 0 5 10 15 20
SCALE IN MILES