

7-14

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

May 23, 1995

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

From: General Manager

Subject: Appropriation No. 710 to Finance Costs to Repair/Retrofit 28 Manhole-Risers on the Santa Monica Feeder.

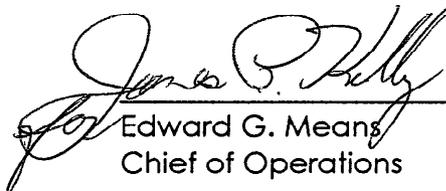
RECOMMENDATION:

That the General Manager be authorized to have all work performed for the repair of 28 manhole-risers on the Santa Monica Feeder.

Authorize Appropriation No. 710 in the amount of \$800,000 from the Pay-As-You-Go Fund to finance all estimated costs for design, fabrication, installation and purchase of material for the repair of 28 manhole-risers on the Santa Monica Feeder.

John R. Wodraska
General Manager

Submitted by:


Edward G. Means
Chief of Operations

Concur:


John R. Wodraska
General Manager

SKM/jcj

(WPSHARED\BOARD\SMREPAIR.BDL)

CAPITAL FUNDING REQUEST	
PROJECT NAME: REPAIR/RETROFIT 28 MANHOLE RISERS ON THE SANTA MONICA FEEDER	

APPROPRIATION NO.: 710	FUNDING REQUEST NO.: NEW	AMOUNT: \$800,000
SOURCE OF FUNDS:		
FY 94/95 BUDGET: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> @ \$		CAPITAL PROGRAM PAGE NO. REFERENCE:
PROJECT JUSTIFICATION AND TYPE: (CHECK ALL APPLICABLE)		
<input checked="" type="checkbox"/> MEET WATER DEMANDS <input type="checkbox"/> MANDATED BY LAW <input type="checkbox"/> ASSET PROTECTION/RISK MGT. <input type="checkbox"/> COST AVOIDANCE <input type="checkbox"/> OTHER _____	<input type="checkbox"/> NEW FACILITY <input type="checkbox"/> IMPROVEMENT	<input checked="" type="checkbox"/> REPLACEMENT <input type="checkbox"/> EXPANSION

<p><u>PROJECT DESCRIPTION:</u></p> <p>Staff recently replaced 28 cast iron blind flanges on the Santa Monica Feeder between the south portal of the Hollywood Tunnel and the Beverly Hills Pressure Control Structure with 28 steel blind flanges. This was done to prevent a reoccurrence of the flange failure incident that occurred on August 11, 1994, at the Sunset Boulevard and Olive Street crossings. That incident resulted in flooding and significant damage to several local businesses. After installation of the new flanges under a minor capital program, the pipeline was being refilled when leaks and, subsequently, cracks were discovered in the neck of eight manhole risers, just below the flange fittings. Staff has examined the cracks and determined that several factors, including natural changes in cast iron and its being subjected to new conditions, caused distress in the metal and cracking at the weakest point. The Santa Monica Feeder is constructed of cast iron and is one of the oldest pipelines in MWD's system (constructed in 1941). The Santa Monica Feeder provides service to the cities of Los Angeles, Beverly Hills, Santa Monica, and other communities in the westside of our service area.</p> <p>Because of the number of observed cracks, the age of the pipeline and the potential cost of a failure, staff plans to retrofit all 28 manhole risers with steel sleeve fittings. A prototype of the proposed fitting has already been tested at the La Verne fabrication shop. The estimated cost of this project is \$800,000. The work is expected to be completed in July 1995. All of the repair work will be performed by District forces and required shutdowns will be closely coordinated with the affected member agencies.</p> <p>Class: --One -- Projects directly related to the delivery of water, required for health and safety, or mandated by governmental requirements.</p>

BENEFIT: (NARRATIVE FOR DIRECT AND OTHER BENEFITS)

The cracks in eight manhole risers need to be repaired to return the affected portion of the Santa Monica Feeder back to service. This work needs to be finished before summer in order to meet expected member agency water demands. The same fix will be accomplished on the remaining 20 manholes as a precautionary measure.

PROJECT PLAN:

PHASE	COST	% COMPLETE	\$ SPENT	1994	1995	1996
DESIGN CONST.	\$800,000	5	\$10,000		<input type="checkbox"/>	
TOTAL	\$800,000	5 %	\$10,000			

ALTERNATIVES TO PROPOSED ACTION:

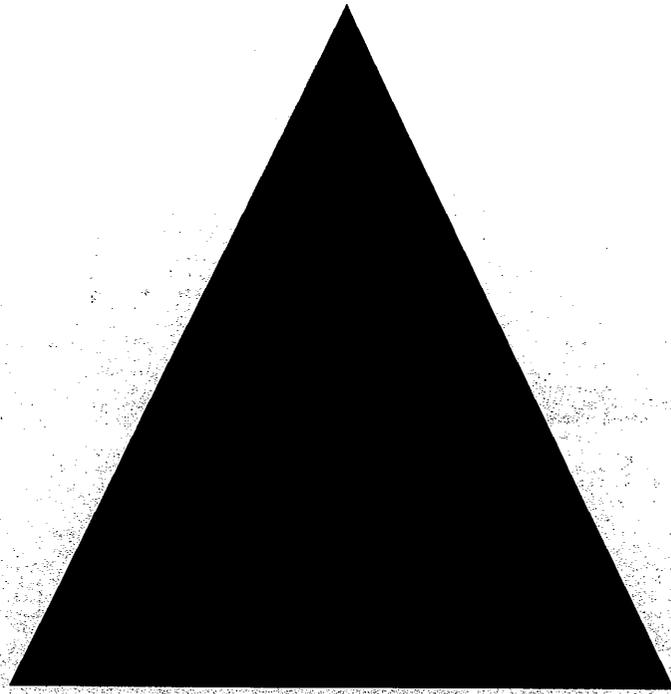
There are no alternatives as member agencies need the full flexibility of receiving water service from Metropolitan.

CEQA COMPLIANCE / ENVIRONMENTAL DOCUMENTATION:

The proposed project is exempt from the provisions of the California Environmental Quality Act as it consists of modifications of existing facilities, involving no expansion of use beyond that previously existing.

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