

APPROVED
by the Board of Directors of
The Metropolitan Water District
of Southern California
at its meeting held

NOV 14 1995



MWD
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[Signature]
EXECUTIVE SECRETARY

October 25, 1995

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

From: General Manager

Subject: Authorization No. 1 to increase Appropriation No. 710 from \$650,000 to \$850,000 to Replace 34 Cast Iron Flanges on the Santa Monica Feeder.

RECOMMENDATION:

It is recommended that your Board authorize an increase of \$200,000 in Appropriation No. 710 from the Pay-As-You-Go Fund, to a total of \$850,000 to finance all estimated costs for the removal and replacement of the remaining 34 cast iron flanges on the Santa Monica Feeder.

John R. Wodraska
General Manager

Submitted by:

[Signature]

Edward G. Means, III
Chief of Operations

Concur:

[Signature]

John R. Wodraska
General Manager

for

SKM/jcj

CAPITAL FUNDING REQUEST

PROJECT NAME: REPAIR/REPLACE CAST IRON FLANGES ON THE SANTA MONICA FEEDER

APPROPRIATION No.: 710

FUNDING REQUEST No.:1

AMOUNT: \$850,000

SOURCE OF FUNDS: PAY-AS-YOU-GO

FY 95/96

BUDGET: No Yes @ \$CAPITAL PROGRAM
PAGE NO. REFERENCE:PROJECT JUSTIFICATION AND TYPE: (CHECK ALL APPLICABLE)

- | | | |
|--|---------------------------------------|---|
| <input checked="" type="checkbox"/> MEET WATER DEMANDS | <input type="checkbox"/> NEW FACILITY | <input checked="" type="checkbox"/> REPLACEMENT |
| <input type="checkbox"/> MANDATED BY LAW | <input type="checkbox"/> IMPROVEMENT | <input type="checkbox"/> EXPANSION |
| <input type="checkbox"/> ASSET PROTECTION/RISK MGT. | | |
| <input type="checkbox"/> COST AVOIDANCE | | |
| <input type="checkbox"/> OTHER _____ | | |

PROJECT DESCRIPTION:

In June and July of 1995, repairs were made to 28 manhole risers on the Santa Monica Feeder between the south portal of the Hollywood Tunnel and the Beverly Hills Pressure Control Structure. These repairs were necessary to prevent a reoccurrence of the flange failure incident of August 11, 1994 at the Sunset Boulevard and Olive Street crossings. That incident resulted in flooding and significant damage to local businesses. The repairs originally included the replacement of cast iron dome flanges with steel blind flanges. However, following this work effort, during refilling of the pipeline, cracks were discovered in several of the manhole risers. Subsequently, steel sleeve fittings were installed to repair the cracks. Your Board approved \$650,000 in May of 1995 to complete this work.

In January of 1996, staff proposes to replace 34 cast iron flanges in the southern reach of the feeder. New torquing procedures developed following replacement of the first set of flanges will prevent development of cracks in the manhole risers.

The July 1995 repairs for 28 manhole risers were completed at a cost of \$485,000. Staff requests that \$200,000 be added to the \$165,000 remaining in this appropriation to finance replacement of the remaining 34 cast iron flanges.

Class: --One -- Projects directly related to the delivery of water, required for health and safety, or mandated by governmental requirements.

BENEFIT:

The repairs will help to ensure regular water service to the affected service connections.

PROJECT PLAN:

PHASE	COST	% COMPLETE	\$ SPENT	1994	1995	1996
ONE	\$ 485,000	100%	\$ 485,000		<input type="text"/>	
TWO	\$ 365,000	5%	\$ 20,000			<input type="text"/>
		0%	\$ 0			
		0%	\$ 0			
TOTAL \$ 850,000		59%	\$ 505,000			

ALTERNATIVES TO PROPOSED ACTION:

Delay the project for another year.

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.

FINANCIAL STATEMENT
SANTA MONICA FEEDER - REPLACE 34 CAST IRON FLANGES

PROJECT SUMMARY:

SOURCE	TOTAL PROJECT INITIAL FUNDING	AUTHORIZATION No. 1
LABOR:		
ENGINEERING	\$ 27,400.00	\$ 27,400.00
FABRICATION	\$ 85,300.00	\$ 85,300.00
CONSTRUCTION	<u>\$ 152,700.00</u>	<u>\$ 277,700.00</u>
TOTAL LABOR:	\$ 265,400.00	\$ 390,400.00
MATERIALS		
OPERATING EQUIPMENT	\$ 75,000.00	\$ 75,000.00
PROFESSIONAL SERVICES	\$ 45,000.00	\$ 45,000.00
ADMINISTRATIVE OVERHEAD	\$ 50,000.00	\$ 25,000.00
CONTINGENCIES	\$ 146,500.00	\$ 246,500.00
TOTAL:	<u>\$ 68,100.00</u>	<u>\$ 68,100.00</u>
TOTAL:	<u>\$ 650,000.00</u>	<u>\$ 850,000.00</u>

SOURCE OF FUNDS: PAY-AS-YOU-GO FUND

ACTUAL AND PROJECTED EXPENDITURE OF FUNDS:

THROUGH FISCAL YEAR 1994/95	\$ 462,650.00
FISCAL YEAR 1995/96	\$ 387,350.00
TOTAL:	<u>\$ 850,000.00</u>

1995/96 CAPITAL PROGRAM

Funds were not included in the Fiscal Year 1995/96 Capital Program. However, this work is required to ensure the integrity of the Santa Monica Feeder.

Class:

One--Projects directly related to the delivery of water, required for health and safety, or mandated by governmental requirements.

Project Benefit:

The repairs will help to ensure regular water service to the affected service connections.