



APPROVED
BY THE CITY COUNCIL

FEB 4 1997

OFFICE OF THE
CITY CLERK

A697-012

17

DEPARTMENT OF
UTILITIES

ENGINEERING SERVICES

CITY OF SACRAMENTO
CALIFORNIA

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January 17, 1997

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: COMBINED SEWER SYSTEM SUMP 2 REHABILITATION AND IMPROVEMENT PROJECT (PN: XM24): AMEND FY97 CAPITAL IMPROVEMENT PROGRAM, TRANSFER FUNDS AND EXECUTE A CONSULTANT SERVICES AGREEMENT WITH MONTGOMERY WATSON AMERICAS, INC., FOR ENGINEERING DESIGN SERVICES FOR PHASE 1 - DESIGN DEVELOPMENT IN AN AMOUNT NOT TO EXCEED \$997,000.

LOCATION AND COUNCIL DISTRICT:

The project is located at the Sump 2 facilities within the Combined Sewer System, Riverside Boulevard and 11th Avenue. (District 4)

RECOMMENDATION:

Staff recommends that the City Council amend the FY97 Capital Improvement Program to add the Sump 2 Rehabilitation and Improvement Project, transfer funds from the Combined System Reserve, and authorize the City Manager and City Clerk to execute a consultant services agreement with Montgomery Watson Americas, Inc., for the Sump 2 Rehabilitation and Improvement Project, Phase 1 - Design Development for a not-to-exceed amount of \$997,000.

CONTACT PERSON:

Gary A. Reents, Engineering Services Manager, 433-6631
Rick Batha, Senior Engineer, 433-6625

FOR COUNCIL MEETING OF: February 4, 1997

City Council
January 17, 1997
Sump 2 Improvements (PN: XM24)

SUMMARY

A consultant services agreement with Montgomery Watson Americas, Inc. for an amount not to exceed \$997,000 has been negotiated. The scope of the agreement is to provide Phase 1 - Design Development services for rehabilitation and improvement of Sump 2. A second phase detailed design contract will be needed at a later date. The cost for both phases is estimated at \$3,468,000.

COMMITTEE/COMMISSION ACTION

None.

BACKGROUND INFORMATION

In June 1990, the Regional Water Quality Control Board (RWQCB) issued a Cease and Desist Order requiring the City to eliminate outflows from the Combined Sewer System (CSS). The City responded by preparing a plan to comply with the order. In July 1995, Council authorized the Department of Utilities to submit the Combined System Improvement Plan to the RWQCB. In March 1996, the RWQCB rescinded the Cease and Desist Order based upon the City's Combined Sewer System (CSS) Improvement Plan. A major part of the CSS Improvement Plan consists of rehabilitation and improvement of Sump 2.

A preliminary design report, completed in April 1996, by Brown & Caldwell, recommended a general program to rehabilitate and improve Sump 2. Requests for Qualifications (RFQ) for Sump 2 design were sent to 24 consultant firms. Six consultant firms responded to the RFQ and submitted a Statement of Qualifications (SOQ). A selection committee short-listed three of the most qualified consultant firms based upon the SOQs, reviewed representative projects, conducted interviews, and selected Montgomery Watson Americas, Inc., to design the Sump 2 Rehabilitation and Improvement Project.

The Sump 2 Rehabilitation and Improvement Project includes the construction of a new pump station to supplement the existing Sump 2 pump station and rehabilitation of Sump 2. The total capacity of Sump 2 will be raised from 530 mgd to 720 mgd. Additionally, the project includes the installation of emergency standby diesel generators to keep the pumps operating during power outages. The current estimated construction cost of the project is \$42.5 million.

Based upon the size of the project and the extensive amount of design work required, the design services to be performed by Montgomery Watson Americas, Inc., has been split into two phases. The Phase 1- Design Development phase, the subject contract, will further define the parameters for design and include preliminary design. The Phase 2 - Final Design phase includes completion of plans and specifications and bidding support.

City Council
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The current estimated cost of the design phases is as follows:

Phase 1 - Design Development (this contract)	\$ 997,000
Phase 2 - Final Design (estimate)	<u>\$2,471,000</u>
Total Estimated Sump 2 Design Cost	\$3,468,000

Based upon the knowledge and information gained in completing the Phase 1 design work a more defined scope of work will be produced for the Phase 2 portion of the design which will then be negotiated.

ENVIRONMENTAL CONSIDERATIONS

Environmental considerations are being addressed in cooperation with the Environmental Services Division. An Environmental Impact Report (EIR) has been prepared consistent with the California Environmental Quality Act. The EIR has received public review which ended December 23, 1996. Five comment letters were received. Staff is currently preparing a response to comments. The EIR will be presented to Council for approval prior to project construction.

FINANCIAL CONSIDERATIONS

The proposed contract amount with Montgomery Watson Americas, Inc., for Phase 1 - Design Development of Sump 2 is a total an amount not to exceed amount of \$997,000. Staff recommends that the FY97 Capital Improvement Program be amended to add the "Sump 2 Rehabilitation and Improvement Project" (414/425-500-XM24-4802) and transfer \$1,040,000 from the Combined System Reserve (414/425-500-XD42-4414), which has unobligated appropriations of \$9,713,068 as of January 17, 1997. The funding transfer will conform to the current funding requirement of 25% sewer funding and 75% storm drainage funding.

POLICY CONSIDERATIONS

The Combined Sewer System Improvement Plan is consistent with past Council direction and satisfies requirements that lead to the decision of the Cease and Desist Order issued by the RWQCB.

City Council
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MBE/WBE

Montgomery Watson Americas, Inc., has proposed a team of subconsultants that results in 18.1% MBE and 6.2% WBE participation. Although individual City goals of 9.5% WBE have not been met, Montgomery Watson Americas, Inc., demonstrated a good faith effort to meet the goals. Montgomery Watson Americas, Inc., has identified tasks in the scope of work that could be subcontracted and contacted City certified MBE and WBE companies. Based upon these efforts, a total of seven (7) MBE/WBE subconsultants were utilized.

Currently, the Department of Utilities MBE/WBE participation is 14.65% and 7.96% respectively.

Respectfully submitted,



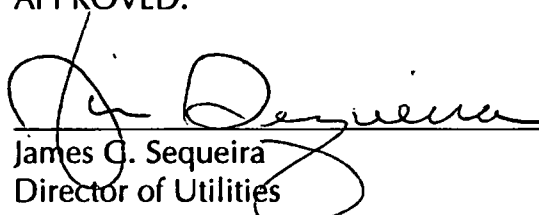
Gary A. Reents
Engineering Services Manager

RECOMMENDATION APPROVED:



William H. Edgar
City Manager

APPROVED:



James C. Sequeira
Director of Utilities

APPROVED
BY THE CITY COUNCIL
FEB 4 1997
OFFICE OF THE
CITY CLERK

RESOLUTION NO. 97-049

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

RESOLUTION AMENDING THE FY97 CAPITAL IMPROVEMENT PROGRAM TO CREATE A NEW PROJECT, TRANSFERRING FUNDS, AND AUTHORIZING THE CITY MANAGER AND CITY CLERK TO EXECUTE A CONSULTANT SERVICES AGREEMENT WITH MONTGOMERY WATSON AMERICAS, INC., FOR PHASE 1 - DESIGN DEVELOPMENT SERVICES FOR SUMP 2 (PN: XM24) FOR AN AMOUNT NOT TO EXCEED \$997,000.

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

1. The FY97 Capital Improvement Program is hereby amended to add the "Sump 2 Rehabilitation and Improvement Project" (PN: XM24) and funds are transferred as follows:

414-500-XD42-4414:	(\$260,000)
414-500-XM24-4802:	\$260,000
425-500-XD42-4414:	(780,000)
425-500-XM24-4802:	780,000

2. The City Manager and City Clerk are authorized to sign and execute a consultant services agreement with Montgomery Watson Americas, Inc., for engineering design services for Sump 2 Rehabilitation and Improvement Project, Phase 1 - Design Development for an amount not to exceed \$997,000.

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO. _____

DATE ADOPTED: _____

COMBINED SEWER SYS RESERVE

PROJECT#:	XD42
FY Initiated:	94/95

Location
City Wide

Council District:

Citywide 1 2 3 4 5 6 7 8

Neighborhood Area:

Citywide NA1 NA2 NA3 NA4

Planning Area:

N/A Citywide PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8 PA9 PA10 PA11

Project Description

Reserve to accumulate resources for the combined sewer system rehabilitation.

Project Objectives

To accumulate funding from current resources in excess of operations and capital improvement requirements in order to minimize future rate increases for the combined sewer system rehabilitation.

Existing Situation

The City faces substantial outlays in future years for capital improvement construction on the combined sewer system. Appropriations for that construction are now being accumulated in this project.

Operating Budget Impact

None

Amended	Fund Source	Budget through 6/96	Estimated Balance 6/96	Five Year Funding				
				1996-97	1997-98	1998-99	1999-00	2000-01
1/28/97	Sewer	1,747,423	1,747,423	0	0	0	0	0
	Drainage	9,708,591	9,708,591	0	0	0	0	0
07/02/96	Drainage	0	0	-210,000	0	0	0	0
07/02/96	Sewer	0	0	-70,000	0	0	0	0
07/02/96	Sewer	0	0	-200,000	0	0	0	0
07/02/96	Drainage	0	0	-600,000	0	0	0	0
07/02/96	Sewer	0	0	-68,487	0	0	0	0
07/02/96	Drainage	0	0	-205,459	0	0	0	0
08/13/96	Drainage	0	0	-45,000	0	0	0	0
08/13/96	Sewer	0	0	-15,000	0	0	0	0
07/12/96	Sewer	0	0	-27,500	0	0	0	0
07/12/96	Drainage	0	0	-82,500	0	0	0	0
07/12/96	Drainage	0	0	-15,000	0	0	0	0
08/22/96	Sewer	0	0	-6,250	0	0	0	0
08/22/96	Drainage	0	0	-18,750	0	0	0	0
09/24/96	Sewer	0	0	-44,750	0	0	0	0
09/24/96	Drainage	0	0	-134,250	0	0	0	0
10/01/96	Sewer	0	0	-25,000	0	0	0	0
10/01/96	Drainage	0	0	-75,000	0	0	0	0
10/29/96	Sewer	0	0	-303,625	0	0	0	0
10/29/96	Drainage	0	0	-910,875	0	0	0	0
1/14/97	Sewer	0	0	-49,234	0	0	0	0
1/14/97	Drainage	0	0	-147,703	0	0	0	0
1/28/97	Sewer	0	0	-260,000	0	0	0	0



1996-2001 CAPITAL IMPROVEMENT PROGRAM

1/28/97	Drainage	0	0	-780,000	0	0	0	0
	TOTAL	11,456,014	11,456,014	-4,294,383	0	0	0	0



1996-2001 CAPITAL IMPROVEMENT PROGRAM

SUMP 2 IMPROVEMENTS

PROJECT#:	XM24
FY Initiated:	96/97

Location
Riverside Boulevard At 11th Avenue

Council District:
 Citywide 1 2 3 4 5 6 7 8

Neighborhood Area:
 Citywide NA1 NA2 NA3 NA4

Planning Area:
 N/A Citywide PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8 PA9 PA10 PA11

Project Description
To rehabilitate and improve Sump 2 in accordance with the Combined System Improvement Plan approved by the City Council and the Regional Water Quality Control Board.

- Project Objectives**
1. To ensure public health and safety by ensuring minimal outflows from the combined sewer system.
 2. To comply with regulatory authority of the Regional Water Quality Control Board.

Existing Situation
The City secured the approval of the Regional Water Quality Control Board to the Combined System Improvement Plan in March 1996. The report requires specific improvements to Sump 2 in order to ensure minimal outflows to the streets from the combined sewer system. The first phase of the project is to design improvements to raise the total capacity at Sump 2 from 530 mgd to 720 mgd and to install additional emergency electrical power.

Operating Budget Impact

None

Amended	Fund Source	Budget through 6/96	Estimated Balance 6/96	Five Year Funding				
				1996-97	1997-98	1998-99	1999-00	2000-01
	Sewer	0	0	260,000	0	0	0	0
	Drainage	0	0	780,000	0	0	0	0
	TOTAL	0	0	1,040,000	0	0	0	0

