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# CITY OF SACRAMENTO

## DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

THOMAS M. FINLEY  
Engineering Division Manager

August 14, 1986

Budget and Finance Committee  
Sacramento, California

Honorable Members In Session:

SUBJECT: Repair of Storm-damaged Drainage Facilities

### SUMMARY

The unprecedented series of storms which occurred during February of this year caused varying degrees of damage at six of the City's storm drainage pumping stations. In order to mitigate further damage to these facilities during the coming wet-weather season, it is important that restoration work be completed by the end of October, 1986. The estimated cost of these repairs, including contingencies, is \$250,000, and it is recommended that funding be provided by transfer from the current CIP budget.

### BACKGROUND

The February storms and associated high flows placed unusual stresses on the City's drainage pump stations. Structural damages have been identified at six of these facilities and plans have been initiated to complete the required restoration work by October 30, 1986. A brief synopsis of each of the six restoration projects follows:

#### 1. Drainage Sump 101 Headwall

Location:	S. American River Levee just S. of "H" Street Bridge
Damage:	Structural damage to headwall due to erosion/washout of surrounding levee bank.
Corrective Work:	Replace outfall structure and restore levee bank to prior condition.
Estimated Cost:	\$100,000

Funding Source: Transfer from CIP "Reconstruct Levee South Side American River" (Partial FEMA reimbursement is anticipated.)

Implementation: Spink Corporation has proposed to provide Engineering Design Services for this project on a time and material basis not to exceed \$5,000. If corrective work is to be complete by October 31, 1986, then the following schedule is dictated:

Execute Design Contract	August 4, 1986
Complete Contract Documents	August 22, 1986
Notice to Proceed	Sept. 26, 1986
Completion of Work	October 31, 1986

2. Drainage Sump 99 Headwall

Location: S. American River Levee, E. of I-80 (Business) Bridge

Damage: Probable structural damage to outfall headwall due to erosion/washout of surrounding levee bank. Outfall headwall is currently covered with debris preventing precise determination of the damage to this structure.

Corrective Work: Replace outfall structure and restore levee bank to prior condition.

Estimated Cost: \$100,000

Funding Source: Transfer from CIP "Reconstruct Levee South Side American River"

Implementation: Spink Corporation has been requested to prepare a proposal for Engineering Design Services related to this project. A completion date of October 31, 1986 will require implementation per the same schedule given for Sump 101, above.

3. Drainage Sump 67

Location: 7756 Center Parkway

Damage: - Topsoil washed away downstream side of splashguard across from outfall gates.

Corrective Work: Replace bank protection with suitable material.

Estimated Cost: Less than \$5,000.

Funding Source: Transfer from "Reconstruct Levee South Side American River"

Implementation: Contract work via informal bidding process.

4. Drainage Sump 69

Location: 8216 Center Parkway

Damage: Washout of gunite spillway and channel lining beneath outfall gates.

Corrective Work: Replace spillway and channel lining where damaged.

Estimated Cost: Less than \$5,000

Funding Source: Transfer from CIP "Reconstruct Levee South Side American River" (FEMA reimbursement anticipated.)

Implementation: Contract work via informal bidding process.

5. Drainage Sump 104

Location: Riverside Boulevard and 35th Avenue

Damage: Gunited rip-rap washed out downstream of outfall (10' x 28').

Corrective Work: Replace gunited rip-rap in damaged area.

Estimated Cost: Less than \$5,000

Funding Source: Transfer from CIP "Reconstruct Levee South Side American River"

Implementation: Contract work via informal bidding process.

6. Drainage Sump 10

Location: 5105 Sandburg Drive

Damage: Slippage of rip-rapped outfall spillway.

Corrective Work: Restore spillway to prior condition.

Estimated Cost: Less than \$5,000

Funding Source: Transfer from CIP "Reconstruct Levee South Side American River"

Implementation: Contract work via informal bidding process.

Because of the extremely short time frames involved with the Sump 101 and Sump 99 projects, it will be necessary to compress normal project advertising and bid award times for these projects. Project advertising periods will not exceed two weeks and contract award may be requested the same day that bids are received.

FINANCIAL

The total estimated cost of these restoration projects is \$220,000 and it is recommended that \$250,000 be set aside for this work, including a contingency reserve.

The current CIP program does not provide any funding for these repair projects. It is recommended that funding be provided by transferring \$250,000 from the 1986-87 CIP project designated as "Reconstruct Levee South Side American River" (425-500-WA96) to a new CIP project designated as "Repair Flood-damaged Drainage Facilities (425-500-WB06).

RECOMMENDATION

It is recommended that the Budget and Finance Committee approve the transfer of funds and forward the report to the full City Council for adoption of the attached resolution.

Respectfully submitted,

*for Reginald Young*  
LARRY COMARSH  
Water and Sewer Division Manager

Recommendation Approved:

*Solon Wisham Jr.*  
SOLON WISHAM, JR.  
Assistant City Manager

DJ:cp  
WS1-1.wp1A  
07.3186

Attachment

Approved:

*Melvin H. Johnson*  
MELVIN H. JOHNSON  
Director of Public Works

August 14, 1986  
District Numbers 3, 4 and 7

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

RESOLUTION AMENDING THE CAPITAL IMPROVEMENT BUDGET  
FOR FY1986-87 FOR REPAIR WORK REQUIRED AT SIX STORM  
DRAINAGE PUMPING STATIONS

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO:

That the Capital Improvement Budget for FY1986-87 is hereby amended by transferring \$250,000 from the "Reconstruct Levee South Side American River" project 425-500-WB06 to the "Repair Flood-damaged Drainage Facilities" project 425-500-WB06.

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MAYOR

ATTEST:

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CITY CLERK