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DEPARTMENT OF
PUBLIC WORKS

OFFICE OF THE DIRECTOR

CITY OF SACRAMENTO
CALIFORNIA

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November 24, 1987

MELVIN H. JOHNSON
DIRECTOR
LESLIE M. FRINK
DEPUTY DIRECTOR
REGINALD YOUNG
DEPUTY DIRECTOR

Budget & Finance Committee
Sacramento, California

Honorable Members In Session:

SUBJECT: Amendment No. 1 to Consultant Services Agreement
No. 86227 for a Modeling Study of Sump 132D

Summary

This report recommends that the City Manager be authorized to approve Amendment No. 1 to the Consultant Services Agreement with Hydro Research Science (HRS) for an amount of \$22,463.00.

Background

On June 10, 1987 the City entered into an agreement with HRS to perform a modeling study of Sump 132D. This model study, which was to determine modifications, if any, to improve the operation of the sump, has brought to light the need for additional information regarding the sump operations which was not covered in the original scope of work. The information resulting from the Amended Consultant Services Agreement will provide operational data to maximize the flood protection capacity of Sump 132D.

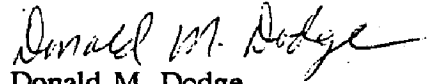
Financial

On June 9, 1987, City Council approved the funding and the agreement with Hydro Research Science for \$37,704.00, City Manager Agreement No. 86227. Amendment No. 1 is in the amount of \$22,463.00. The total consultant's fee with this amendment will be \$60,167.00. The original funds could not be encumbered before the fiscal year end on June 30, 1987 and consequently returned to fund balance. Therefore, the entire amount of the agreement needs to be appropriated. Funding is available from the Pocket Area Assessment District Maintenance Fund (Fund #240).

Recommendation

It is recommended that the Budget and Finance Committee recommend that Amendment No. 1 to the agreement with Hydro Research Science for an amount of \$22,463.00 be approved by the City Council through passage of the attached Resolution.

Respectfully submitted,



Donald M. Dodge

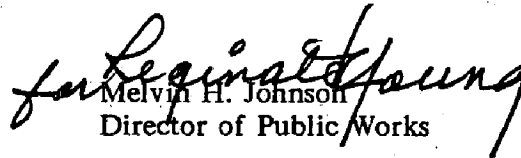
Division Manager Flood Control & Sewers

Recommendation Approved:



Jack R. Crist
Deputy City Manager

Approved:



Melvin H. Johnson
Director of Public Works

November 24, 1987

District No. 8

Amendment No. 1

To Consultant Services Agreement between City of Sacramento and Hydro Research Science Dated June 10, 1987

City Manager Agreement 86227

Exhibit A

Hydro Research Science (HRS) under this agreement will modify the Sump 132D model, constructed under City Manager Agreement 86227, test the model's operations in unsteady flow simulations, develop a pump operation schedule, and report the results to the City. The experimental program will consist of:

1. Calibration Tests
2. Base Tests
3. Developmental Tests
4. Verification Tests

The unsteady inflow simulations will be run with the model in its completely modified configuration as developed in the City Manager Agreement No. 86227 and unmodified as the sump exists. The tests on the unmodified sump model will be run using the pump operation schedule developed for completely modified sump.

If HRS at any time during the testing determines that further experimentation would be unproductive, HRS is to immediately notify the City. HRS shall terminate the testing program and complete the "Report" unless otherwise instructed by the City.

Exhibit B

HRS will be paid on a monthly basis for work performed under this agreement. The total cost of the agreement shall not exceed \$22,462.00 unless additional costs are authorized by the City. Statements of fees and expenses shall be submitted by HRS to the City monthly and payment shall be made within thirty days after receipt of statements.

City of Sacramento

Hydro Research Science Inc.

Walter J. Slipe
City Manager

Melvin H. Johnson
Director of Public Works

RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE AMENDMENT NO. 1 TO
CONSULTANT SERVICES AGREEMENT NO. 86227
FOR THE SUMP 132D MODELING STUDY

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

1. The Flood Control and Sewer Division budget is hereby amended by appropriating \$60,167.00 to cover the cost of the Sump 132D Study (425-310-3165-4252).
2. The Drainage Fund (425) will be reimbursed for the cost of the study by the Pocket Area Assessment District Maintenance Fund (Fund 240) in an amount of \$60,167.00. (240-710-7012-4999-(\$60,167), 240-310-3165-4374-\$60,167, 425-310-3165-4374-(\$60,167))
3. The City Manager and City Clerk are hereby authorized to execute Amendment No. 1 to Consulting Services Agreement No. 86227 in the amount of \$22,463.00. The total consultant fee will not exceed \$60,167.00 for all services performed under this agreement.

MAYOR

ATTEST:

CITY CLERK