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**DEPARTMENT OF
PUBLIC WORKS**

ENGINEERING DIVISION

THOMAS M. FINLEY,
ENGINEERING DIVISION MANAGER

CITY OF SACRAMENTO
CALIFORNIA

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CONSTRUCTION SECTION
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SUITE B
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May 10, 1988

Budget and Finance Committee
Sacramento, California

Honorable Members In Session:

Subject: Investigation of Suspender Cables on the Guy West Bridge (PN:HA51) -
Amendment No. 1 to Consultant Services Agreement (City Agreement Number
87096)

SUMMARY

Amendment No. 1 to the Consultant Services Agreement for subject project has been negotiated. Fund appropriation for this work is recommended.

BACKGROUND

In October, 1987, the City entered into a Consultant Services Agreement with Wiss, Janney, Elstner Associates, Inc. (WJE) to evaluate the existing suspender cable conditions on the Guy West Bridge (City Council Resolution No. 87-873).

A draft report detailing the consultant's investigation and findings has been received and reviewed by City staff. The WJE report recommends an investigation of the suspension cables (the large diameter overhead cables) at their connection to the bridge towers. The vibration analysis and structural details indicate the suspension cables may be susceptible to fatigue and corrosion damage at the towers and should be inspected for such. These cables are the primary load resisting elements in the bridge, and damage to them would have serious consequences. Staff and the consultant have no evidence of distress in the suspension cables. The additional investigation is a precautionary measure to provide a thorough evaluation of the bridge. To evaluate their condition, WJE will perform a visual inspection and x-ray analysis of the suspension cables at the towers as part of the amendment to the Consultant Services Agreement.

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Additionally, further work is required by the consultant in overseeing the repair and maintenance of the bridge. This includes preparation of the plans, specifications and estimate for replacement of the suspender cables (the vertical cables between the overhead suspension cables and the bridge deck); assisting the City with construction inspection during fabrication and replacement of the suspender cables, and preparation of a maintenance program for the bridge.

FINANCIAL

The current Guy West Bridge project budget of \$37,000 has an approximate balance available of \$9,800 which is insufficient to cover the ongoing administration of the existing consultant agreement and the proposed amendment. The amount of the proposed Consultant Services Agreement Amendment Number 1 is \$26,905. Approval of this amendment will increase the total "not-to-exceed" contract with Wiss, Janney, Elstner Associates, Inc., from \$24,750 to \$51,655. Therefore, additional funding is required. It is recommended that \$30,000 in Bikeway funds be transferred from the Miscellaneous Street Bikeway Improvement project (PN:HA01) to the Bikeway Contingency Reserve. Furthermore, it is recommended that \$30,000 be transferred from the Bikeway Contingency Reserve to the Guy West Bridge project (PN:HA51) in order to cover the cost of the proposed amendment and administration. The Miscellaneous Street Bikeway project has \$43,500 available in its budget.

RECOMMENDATION

It is recommended that the Budget and Finance Committee recommend approval of the fund appropriation and forward this report to the full City Council for adoption of the resolution and approval of Amendment No. 1 to the Consultant Services Agreement.

Respectfully submitted,



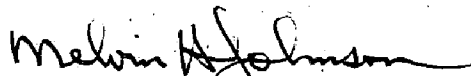
THOMAS M. FINLEY
Engineering Division Manager

Recommendation Approved:



JACK R. CRIST
Deputy City Manager

Approved:



MELVIN H. JOHNSON
Director of Public Works

RW:ls
ED2-31.E
04.2688.1

May 10, 1988
District No. 3

RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

RESOLUTION AUTHORIZING FUND APPROPRIATION
AND EXECUTION OF AMENDMENT NO. 1
TO THE CONSULTANT SERVICES AGREEMENT
WITH WISS, JANNEY, ELSTNER ASSOCIATES, INC.
TO INVESTIGATE THE SUSPENSION CABLES ON THE GUY WEST BRIDGE (PN:HA51)

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

1. The Capital Improvement Program is hereby amended by transferring \$30,000 from the Miscellaneous Street Bikeway Improvement Project (243-500-HA01-5001) to the Bikeway Contingency Reserve (235-710-7012-4999).
2. The Capital Improvement Program is further amended by appropriating \$30,000 from the Bikeway Contingency Reserve (235-710-7012-4999) to the Guy West Bridge Project as follows:

a. Consultant Agreement (235-500-HA51-4802)	\$26,905
b. Consultant Agreement Administration	
Direct Labor (235-500-HA51-4880)	\$ 1,250
Indirect Cost (235-500-HA51-4831)	\$ 1,250
Benefits (235-500-HA51-4881)	\$ 595

3. That the City Manager and City Clerk are hereby authorized to execute Amendment No. 1 in the amount of \$26,905 with Wiss, Janney, Elstner Associates, Inc. to evaluate the condition of the suspension cables on the Guy West Bridge and prepare documents for the proposed repairs and long term maintenance.

MAYOR

ATTEST:

CITY CLERK

ED2-31.E