

CITY OF OAKLAND  
AGENDA REPORT

FILED  
OFFICE OF THE CITY CLERK  
OAKLAND

2004 MAY 13 PM 4:08

TO: Office of the City Manager  
ATTN: Deborah Edgerly  
FROM: Public Works Agency  
DATE: May 25, 2004

RE: RESOLUTION AUTHORIZING THE ACCEPTANCE AND APPROPRIATION OF AN ADDITIONAL SEVENTY-THREE THOUSAND SIX HUNDRED DOLLARS (\$73,600) IN FEDERAL HIGHWAY FUNDS FOR THE EARTHQUAKE RETROFIT OF BROADWAY-PATTON, HEGENBERGER, AND HAMILTON BRIDGES (PROJECT NUMBER H24010)

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**SUMMARY**

A resolution has been prepared for Council approval that authorizes the acceptance and appropriation of an additional \$73,600 in federal highway funds for the Earthquake Retrofit of Broadway-Patton, Hegenberger, and Hamilton bridges (Project Number H24010).

This project is consistent with the Mayor and City Council Goals to Maintain and Enhance Oakland's Physical Assets and to Improve Oakland's Neighborhoods. The bridges are located in Council Districts 1 and 7.

The additional \$73,600 has been granted by the California Department of Transportation (Caltrans) and is needed to fund construction engineering. It is recommended that the resolution be approved.

**FISCAL IMPACT**

The additional funding, which has been approved by Caltrans, identifies \$73,600 in federal funds and \$18,400 in local matching funds. Measure 'B' funds will be used for local match and will be transferred from matching funds for federally funded projects (project C184020, fund 2211).

Current funds are available in Project H24010/Fund 2116 (Federal Highway Administration and State Seismic Fund) and in Project H24020/Fund 2211 (local match for federally-funded projects). Additional appropriation of federal funds will be available in Project H24010/Fund 2116. With the additional appropriation of federal funds, the total project budget will be \$2,446,211 distributed as follows:

- Federal Funds: \$2,118,439
- State Funds: \$283,608
- Local Match: \$44,164
- TOTAL: \$2,446,211

Retrofitting these bridges will upgrade them and will decrease future maintenance costs.

Item: 8  
Public Works Committee  
05/25/04

## BACKGROUND

Several bridges in Oakland were selected by Caltrans as part of the seismic safety retrofit program. Under the Seismic Safety Bridge Retrofit program, Caltrans funds the seismic retrofit of local bridges throughout the state. Caltrans manages the design and the development of construction documents for these projects. Local agencies are then responsible for bidding and awarding the construction contracts, and managing the construction. To facilitate the completion of this project, a local agency-state agreement in the amount of \$1,804,500 was approved by the City Council on March 31, 1992, by Resolution No. 68787. Federal funding in the amount of \$1,804,500 was approved by Caltrans and authorized for appropriation by the City Council on December 1, 1992, by Resolution No. 69519.

Following this agreement, Caltrans contracted with Advanced Engineering Design (AED), a consultant firm, who prepared structural plans and specifications for this bridge seismic retrofit project. Due to changes in seismic design standards, as well as multiple reviews performed by Caltrans, the plans were not received by Oakland until late 2002.

Following the advertising and bidding period, additional federal funding in the amount of \$420,898 was also approved by Caltrans and authorized for appropriation by the City Council on September 30, 2003, by Resolution No. 78082. The City Council also authorized the award of the construction contract to Valentine Corporation on September 30, 2003, by Resolution No. 78082.

Additional \$103,049 in federal funds (for project management, construction engineering, and contingencies) was also approved by Caltrans and authorized for appropriation by the City Council on November 18, 2003, by Resolution No. 78207. Local match of \$25,764 was transferred from Measure 'B' funds for federally funded projects (project C184010, fund 2210).

The additional \$73,600 in federal funds has been recently approved by Caltrans for construction engineering to fully fund the project. The local match of \$18,400 will be transferred from Measure 'B' funds for federally funded projects (project C184020, fund 2211).

The total project budget is \$2,446,211 and includes construction, project management, construction engineering, the bid/award administrative costs and construction contingencies. The sources of project funds are distributed as follows:

<u>Total</u>	<u>Federal</u>	<u>State (Seismic Match)</u>	<u>Local Funds</u>
\$2,446,211	\$2,118,439	\$283,608	\$44,164

With the additional appropriation, sufficient funds will be available in the project budget for the completion of the work. The project is currently under construction and is anticipated to be completed by September/October 2004.

## KEY ISSUES AND IMPACTS

The project is under construction and the appropriation of additional federal funds will ensure the completion of the project.

## PROJECT DESCRIPTION

This project consists of the earthquake retrofit of three bridges that were selected by Caltrans as part of the Seismic Safety Retrofit program. These bridges are:

- Broadway-Patton Pedestrian Overcrossing (On Broadway between Patton Street and Brookside Avenue) (Bridge No. 33C-076).
- Hegenberger Road Overhead (On Hegenberger Road at San Leandro Street) (Bridge No. 33C-165).
- Hamilton Street Pedestrian Overcrossing (On Hegenberger Road at Hamilton Street between Rudsdale Street and Spencer Street) (Bridge No. 33C-166).

The proposed work consists of Bridge Earthquake Retrofit Work which, in general, includes structural excavation and backfill; piling, concrete bridge work; diaphragm bolster; concrete coring; drilling and doweling; reinforcement steel and miscellaneous metal work; waterproofing; column casing; and traffic control.

## SUSTAINABLE OPPORTUNITIES

Economic: Since the project is funded by federal funds, the Disadvantaged Business Enterprise (DBE) program was used in lieu of Local/ Small Local Business Enterprise (LBE/SLBE) program. However, the project is located in Oakland, and the construction of the project does generate jobs in the local economy.

Environmental: Recyclable materials are being used within the concrete and asphalt concrete construction materials to the extent possible. In addition, there will be reduction of more than 50% of materials landfilled to comply with the Waste Management and Reduction Act.

Improvements to the pedestrian overcrossing facilities will aid in making walking a more attractive mode of transportation, thereby encouraging reduction in automobile usage and reducing vehicle emissions and improving air quality.

Social Equity: The seismic retrofit work will provide safe structures that benefit the residents of the neighborhoods in which they are located.

## DISABILITY AND SENIOR CITIZEN ACCESS

The bridges seismic retrofit work will be done below the surface. There will be no impact to disability and senior citizen access during construction.

## RECOMMENDATION AND RATIONALE

Staff recommends that the City Council approve a resolution that authorizes the acceptance and appropriation of an additional \$73,600 in federal highway funds for the Earthquake Retrofit of Broadway-Patton, Hegenberger, and Hamilton bridges (Project Number H24010). The additional funding has been recently approved by Caltrans for construction engineering to fully fund the project.

**ACTION REQUESTED OF THE CITY COUNCIL**

Staff recommends that the City Council approve the resolution.

Respectfully submitted,

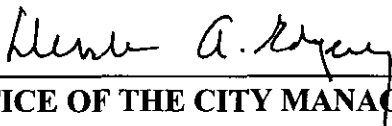


**RAUL GODINEZ II, P.E.**  
Director, Public Works Agency

Reviewed by:  
Michael Neary, P.E.  
Engineering Design Division Manager

Prepared by:  
Emad Mirsaedi, P.E.  
Interim Supervising Civil Engineer

APPROVED AND FORWARDED TO  
THE PUBLIC WORKS COMMITTEE:



**OFFICE OF THE CITY MANAGER**

# OAKLAND CITY COUNCIL

RESOLUTION No. \_\_\_\_\_ C. M. S.

INTRODUCED BY COUNCILMEMBER \_\_\_\_\_



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**RESOLUTION AUTHORIZING THE ACCEPTANCE AND APPROPRIATION OF AN ADDITIONAL SEVENTY-THREE THOUSAND SIX HUNDRED DOLLARS (\$73,600) IN FEDERAL HIGHWAY FUNDS FOR THE EARTHQUAKE RETROFIT OF BROADWAY-PATTON, HEGENBERGER, AND HAMILTON BRIDGES (PROJECT NUMBER H24010)**

**WHEREAS**, the State of California Department of Transportation (Caltrans) has identified three City Bridges as needing seismic analysis; and

**WHEREAS**, these three bridges are: the Broadway-Patton pedestrian overcrossing, the Hegenberger Road overhead bridge, and Hamilton Street pedestrian overcrossing; and

**WHEREAS**, a local agency-state agreement with Caltrans in the amount of \$1,804,500 was approved by the City Council on March 31, 1992, by Resolution No. 68787; and

**WHEREAS**, additional federal funding in the amount of \$420,898 was approved by Caltrans and authorized for appropriation by the City Council on September 30, 2003, by Resolution No. 78082; and

**WHEREAS**, additional federal funding in the amount of \$103,049 and local matching funds in the amount of \$25,764 was approved by Caltrans and authorized for appropriation by the City Council on November 18, 2003, by Resolution No. 78207; and

**WHEREAS**, additional federal funding in the amount of \$73,600 has been recently approved by Caltrans for construction engineering to fully fund the project and an additional \$18,400 in local matching funds will be transferred from Matching Funds for Federally Funded projects; and

**WHEREAS**, the project budget is \$2,446,211, which includes \$1,883,369 for the construction work and \$562,842 for project management, construction engineering, and contingencies; now, therefore, be it

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PUBLIC WORKS CMTE.

MAY 25 2004

**RESOLVED:** That the City Manager, or her designee, is hereby authorized to accept and appropriate an additional \$73,600 in federal highway funds (Fund 2116) for the Earthquake Retrofit of Broadway-Patton, Hegenberger, and Hamilton bridges (City Project Number H24010); and be it

IN COUNCIL, OAKLAND, CALIFORNIA \_\_\_\_\_, 2004

PASSED BY THE FOLLOWING VOTE:

AYES- BROOKS, BRUNNER, CHANG, NADEL, QUAN, REID, WAN AND  
PRESIDENT DE LA FUENTE

NOES-

ABSENT-

ABSTENTION-

ATTEST: \_\_\_\_\_  
CEDA FLOYD  
City Clerk and Clerk of the Council  
of the City of Oakland, California

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**PUBLIC WORKS CMTE.**

**MAY 25 2004**