

CITY OF OAKLAND

AGENDA REPORT

OFFICE OF THE CITY CLERK

2007 MAR 13 AM 9:05

TO: Office of the City Administrator
ATTN: Deborah Edgerly
FROM: Public Works Agency
DATE: March 13, 2007

RE: **Resolution Authorizing the Acceptance and Appropriation of One Million Two Hundred Seventy-Seven Thousand Two Hundred Twenty-Nine Dollars (\$1,277,229.00) in Federal Highway Funds for the Seismic Retrofit of Several Bridges in Oakland**

SUMMARY

A resolution has been prepared for City Council approval that authorizes the acceptance and appropriation of \$1,277,229.00 in federal highway funds for the Seismic Retrofit of:

1. Project # H82910: Hegenberger Road Overhead (bridge # 33C-0202 in Council District 7).
2. Project # H83110: Park Blvd. Viaducts 1, 2, 3 and Leimert Blvd. Bridge over Sausal Creek (bridges # 33C-0178, 33C-0179, 33C-0180 & 33C-0215 in Council District 4).
3. Project # H83210: 23rd Avenue Overhead (bridge # 33C-0148 in Council District 5), Campus Drive Bridge over Tributary to Lion Creek (bridge # 33C-0238 in Council District 6), and Coliseum Way Bridge over Damon Slough (bridge # 33C-0253 in Council District 7).

The projects are consistent with the Mayor and City Council Goals to Maintain and Enhance Oakland's Physical Assets and to Improve Oakland's Neighborhoods. Federal and state funds have been granted by the California Department of Transportation (Caltrans) and are needed to fund the preliminary engineering (PE) phase of these projects. It is recommended that the resolution be approved.

FISCAL IMPACT

Approval of the proposed resolution will accept and appropriate \$1,277,229.00 in federal highway funds for the Seismic Retrofit of Several Bridges in Oakland. These funds have been approved by Caltrans for the preliminary engineering phase of these projects, which includes the design and environmental process. Federal and state funds will be placed in the Department of Transportation Fund (2116), Bridge Seismic Retrofit Projects (H82910, H83110, and H83210).

Caltrans will participate in the seismic retrofit work to satisfy no-collapse criteria only and to upgrade the bridges to the current design standards. All other work that is needed for these bridges including maintenance repairs, enhanced aesthetics, barrier upgrades, serviceability, etc., are not included in the seismic retrofit program and considered non-participating work. Most bridges have minimal non-participating work. Some non-participating work has been proposed for the Leimert Blvd. Bridge and will be determined at the time plans are completed.

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The required local funds of \$419,667.00 are available in the projects for local match and ineligible costs. Ineligible costs, which include non-participating and overhead costs, will not be reimbursed by Caltrans and will be paid for by local funds. These costs have been estimated using previous similar projects. Local funds were transferred from Measure B ACTIA Fund (2211), Matching Funds for Federal Projects (C184020) into the Seismic Retrofit Projects (H82920, H83120, and H83220), Measure B ACTIA Fund (2211).

Federal funds for construction will be granted by Caltrans when the preliminary engineering phase is complete. The state will provide matching funds for the construction phase as part of Proposition 1B (State Transportation Infrastructure Bond) approved by the voters in November 2006. Local funds will pay only for ineligible costs (overhead and non-participating costs). The table below outlines the estimated cost and the obligation of federal, state, and local funds:

Bridge Name (Project Number)	Project Phase	Federal and State Funds	Local Matching Funds	Estimated Local Funds for Ineligible Cost	Estimated Total Local Funds	Estimated Total Cost
Hegenberger Rd. OH (H82910)	Preliminary Engineering	\$503,708	\$60,725	\$145,000	\$205,725	\$709,433
	Construction	\$5,415,416	\$0	\$145,000	\$145,000	\$5,560,416
	Total	\$5,919,124	\$60,725	\$290,000	\$350,725	\$6,269,849
Park Blvd. Viaducts & Leimert Blvd. Bridge (H83110)	Preliminary Engineering	\$328,438	\$24,415	\$65,000	\$89,415	\$417,853
	Construction	\$4,134,908	\$0	\$65,000	\$65,000	\$4,199,908
	Total	\$4,463,346	\$24,415	\$130,000	\$154,415	\$4,617,761
23rd Ave. OH, Campus Dr. Bridge, & Coliseum Way Bridge (H83210)	Preliminary Engineering	\$445,083	\$39,527	\$85,000	\$124,527	\$569,610
	Construction	\$7,559,544	\$0	\$85,000	\$85,000	\$7,644,544
	Total	\$8,004,627	\$39,527	\$170,000	\$209,527	\$8,214,154
Total (All Bridges)	Preliminary Engineering	\$1,277,229	\$124,667	\$295,000	\$419,667	\$1,696,896
	Construction	\$17,109,868	\$0	\$295,000	\$295,000	\$17,404,868
	TOTAL	\$18,387,097	\$124,667	\$590,000	\$714,667	\$19,101,764

Retrofitting these bridges will upgrade them to current seismic design standards and will decrease future maintenance costs.

BACKGROUND

After the Loma Petra earthquake, Caltrans inspected all Oakland bridges and determined that these eight bridges are in need of specific retrofit work and should be included as part of the

Seismic Safety Retrofit Program. Under this program, Caltrans partially funds the seismic retrofit of local bridges throughout the state and monitors the projects. Local agencies are responsible for managing the design consultants, securing the environmental clearance, bidding and awarding the construction contracts, and managing the construction of these projects. To facilitate the completion of these projects, local agency-state agreements have been prepared by Caltrans to fund the preliminary engineering and environmental phase.

The projects are currently in the preliminary engineering and environmental phase. The construction work will occur in such a manner that there will not be traffic impact by these projects. Construction is anticipated to start in the summer of 2008 and be completed by December 2008.

KEY ISSUES AND IMPACTS

Acceptance and appropriation of federal and state funds will support the projects in the design phase, and completion of this phase will lead to Caltrans granting the City construction funds to complete the work.

PROJECT DESCRIPTION

The projects consist of the seismic retrofit of eight bridges that were selected by Caltrans as part of the seismic safety retrofit program. Below are the projects' descriptions:

1. Project # H82910: Hegenberger Road Overhead (bridge # 33C-0202 in Council District 7).
2. Project # H83110: Park Blvd. Viaducts 1, 2, 3 and Leimert Blvd. Bridge over Sausal Creek (bridges # 33C-0178, 33C-0179, 33C-0180 & 33C-0215 in Council District 4).
3. Project # H83210: 23rd Avenue Overhead (bridge # 33C-0148 in Council District 5), Campus Drive Bridge over Tributary to Lion Creek (bridge # 33C-0238 in Council District 6), and Coliseum Way Bridge over Damon Slough (bridge # 33C-0253 in Council District 7).

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: The construction of these projects will generate jobs and tax revenue in the local economy.

Environmental: Recyclable materials will be 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.

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

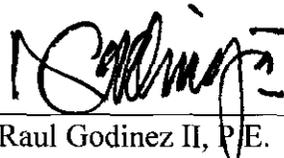
RECOMMENDATION AND RATIONALE

Staff recommends that the City Council approve the resolution authorizing the acceptance and appropriation of \$1,277,229.00 in federal highway funds for the Seismic Retrofit of Several Bridges in Oakland. Federal and state funds have been approved by Caltrans for preliminary engineering and environmental phase.

ACTION REQUESTED OF THE CITY COUNCIL

Staff recommends that the City Council approve the resolution.

Respectfully submitted,

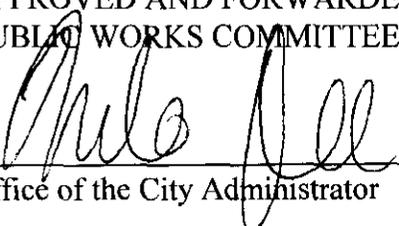


Raul Godinez II, P.E.
Director, Public Works Agency

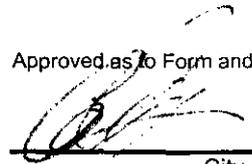
Reviewed by:
Michael Neary, P.E.
Assistant Director, Public Works Agency

Prepared by:
Emad Mirsaeidi, P.E.
Supervising Civil Engineer, Engineering Design Division

APPROVED AND FORWARDED TO THE
PUBLIC WORKS COMMITTEE:


Office of the City Administrator

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Public Works Committee
March 13, 2007


City Attorney

OFFICE OF THE CITY CLERK

OAKLAND CITY COUNCIL

2007 MAR -1 11 5 09
RESOLUTION No. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE ACCEPTANCE AND APPROPRIATION OF ONE MILLION TWO HUNDRED SEVENTY-SEVEN THOUSAND TWO HUNDRED TWENTY-NINE DOLLARS (\$1,277,229.00) IN FEDERAL HIGHWAY FUNDS FOR THE SEISMIC RETROFIT OF SEVERAL BRIDGES IN OAKLAND

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

WHEREAS, these bridges are:

1. Hegenberger Road Overhead (Project H82910)
2. Park Blvd. Viaducts 1, 2, 3 and Leimert Blvd. Bridge over Sausal Creek (Project H83110)
3. 23rd Avenue Overhead, Campus Drive Bridge over Tributary to Lion Creek, and Coliseum Way Bridge over Damon Slough (Project H83210); and

WHEREAS, local agency-state agreements have been prepared by Caltrans to facilitate the completion of these projects and federal and state funds in the amount of \$1,277,229.00 have been granted by Caltrans to fund the preliminary engineering phase of these projects; and

WHEREAS, the required local funds of \$419,667.00 were transferred from Measure B ACTIA Fund (2211), Matching Funds for Federal Projects(C184020), into the Seismic Retrofit Projects (H82920, H83120, and H83220), Measure B ACTIA Fund (2211); now, therefore be it

RESOLVED: That the City Administrator, or her designee, is hereby authorized to accept and appropriate \$1,277,229.00 in federal highway funds for the Seismic Retrofit of Several Bridges in Oakland (City Project Numbers H82910, H83110, and H83210).

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 20____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, BRUNNER, CHANG, KERNIGHAN, NADEL, QUAN, REID, and PRESIDENT DE LA FUENTE

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____
LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California