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OAKLAND

2013 JUL 11 PM 4:01

AGENDA REPORT

TO: DEANNA J. SANTANA
CITY ADMINISTRATOR

FROM: Vitaly B. Troyan, P.E.

SUBJECT: Hegenberger Bridge Over San Leandro
Preventive Maintenance Project

DATE: June 17, 2013

City Administrator
Approval

Date

7/08/13

COUNCIL DISTRICT: 7

RECOMMENDATION

Staff recommends that the City Council approve a resolution authorizing the City Administrator or her designee to accept and appropriate Seven Hundred One Thousand One Hundred and Fifty-Eight Dollars (\$701,158.00) in Federal Highway Bridge Program funds (HBP) under the Bridge Preventive Maintenance Program (BPMP) for the Hegenberger Road Bridge over San Leandro Street Preventive Maintenance Project (City Project C466710), and authorizing a local match of 18 percent from Measure B Fund 2211 in the amount of One Hundred Fifty-Three Thousand Eight Hundred Forty-Two Dollars (\$153,842.00).

OUTCOME

Adoption of the resolution will allow the City to accept and appropriate \$701,158.00 in Federal Highway Bridge Program funds (HBP) for preventive maintenance repair of Hegenberger Road Bridge Over San Leandro Street and commit \$153,842.00 from Measure B Fund 2211 as a local match of 18 percent for the grant and for disallowed overhead costs.

BACKGROUND/LEGISLATIVE HISTORY

The California Department of Transportation (Caltrans) inspects all City bridges every two to four years. The City receives copies of the inspection reports. The reports assess structural health of the bridges and recommend repairs needed. Repairs that are qualified under the HBP/BPMP program are funded by Caltrans. Recent bridge inspection reports for the Hegenberger Bridge recommend crack sealing of the bridge deck, repair of minor concrete spalls, and replacement of the bridge joint material at several locations across the bridge.

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The repairs recommended for Hegenberger Road Bridge are eligible under the Caltrans Bridge Preventive Maintenance Program. In August 2011, the City applied to Caltrans for funding to perform the recommended repairs. Caltrans authorizes use of grant funds in separate phases. The estimated total project cost is \$855,000.00 and has been allocated into a design and construction phase as follows:

1. **Design Phase:** The estimated cost of the design phase is \$135,500.00. On May 3, 2013, Caltrans authorized the City to proceed with the design phase.
2. **Construction Phase:** The estimated cost of the construction phase is \$719,500.00. Upon completion of design phase, the City will request approval from Caltrans to proceed with the construction phase, which includes bid, award, and construction of the project.

An 18 percent local match from Measure B Fund 2211 funds in the amount of \$153,842.00 is also requested to cover the minimum 11.47 percent local match grant requirement and disallowed overhead costs. A summary of the funding allocation for this project is shown in the following table:

Funding Allocation			
Project Phase	Project Cost	Grant	Measure B
			Local Match
Design	\$135,500.00	\$92,957.00	\$ 42,543.00
Construction	\$719,500.00	\$608,201.00	\$111,299.00
Total	\$855,000.00	\$701,158.00	\$153,842.00

ANALYSIS

Hegenberger Road Bridge, in East Oakland is a precast concrete bridge and is one of the major connection arterials between Interstate 880, East Oakland and Interstate 580. The bridge was built in 1966. It is approximately 900 ft long and 86 ft wide. It crosses over San Leandro Street and the elevated Bay Area Rapid Transit (BART) tracks.

Caltrans Bridge Inspection Report dated 11/24/2010 identified concrete spalls in several locations on the bridge deck, soffit, and bridge girders. The report also identified minor to severe longitudinal and diagonal cracks on the bridge deck. In addition, loss of adhesion is identified in expansion joint material, allowing storm water to leak into the hinges and abutments.

To prevent further deterioration of bridge deck and structural elements, the report recommends removal and replacement of expansion joint material on the abutment and hinge joints. The report also recommends treating the bridge deck with Methacrylate to fill the diagonal and longitudinal cracks. It further recommends cleaning and patching the spalling areas on the bridge deck, soffit and girders.

In August, 2011, the City applied to Caltrans for BPMP grant funds to design and complete the recommended repairs. On May 3, 2013, the City received authorization from Caltrans to proceed with the design phase based on the recommended repairs outlined in their bridge inspection report. Authorization for use of construction phase funds will proceed after final design is submitted and approved by Caltrans.

PUBLIC OUTREACH/INTEREST

Traffic flow will be affected temporary during construction and the community will be notified prior to start of construction.

COORDINATION

Public Work Agency (PWA) staff coordinated internally with different departments and staff members within the PWA in applying for the grant including Engineering Design and Right of Way Management, Infrastructure Maintenance, and Transportation Planning and Funding. The City Attorney's Office and the Budget Office have also participated in the creation and review of this report.

COST SUMMARY/IMPLICATIONS

Approval of the resolution will allow the City Administrator or her designee to accept and appropriate the amount of \$701,158.00 of federal funds and will authorize a local match of \$153,842.00 from Measure B fund 2211 to cover the minimum 11.47 percent local match grant requirement and disallowed overhead costs.

SUSTAINABLE OPPORTUNITIES

Economic: Acceptance of grant will bring the City at least \$701,158.00 in outside funding for much needed preventive maintenance and repairs to the Hegenberger Road Bridge.

Environmental: The proposed improvements will prevent the bridge from further deterioration and increase the service life of the bridge.


Social Equity: The proposed improvements will improve safety not only for local residents but also for all visitors to the coliseum area that use the Hegenberger Road corridor.

CEQA

Because this project is funded by federal funds, the National Environmental Policy Act (NEPA) requirements apply in lieu of CEQA. NEPA clearance will be completed during the design phase in accordance with federal and Caltrans requirements.

For questions regarding this report, please contact Gus Amirzehni, Engineering Design and Right-of-Way Manager, at (510) 238-6601.

Respectfully submitted,



VITALY B. TROYAN, P.E.
Director, Public Works Agency

Reviewed by:
Michael J Neary, P.E., Assistant Director
PWA, Department of Engineering and Construction

Reviewed by:
Gus Amirzehni, P.E., Division Manager
PWA, Engineering Design and ROW Management

Prepared by:
Jaime Heredia, P.E., Supervising Civil Engineer
PWA, Engineering Design and ROW Management

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OAKLAND CITY COUNCIL

Approved as to Form and Legality


City Attorney

RESOLUTION NO. _____ C.M.S.

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR HER DESIGNEE TO ACCEPT AND APPROPRIATE SEVEN HUNDRED ONE THOUSAND ONE HUNDRED AND FIFTY EIGHT DOLLARS (\$701,158.00) IN FEDERAL HIGHWAY BRIDGE PROGRAM (HBP) GRANT FUNDS UNDER THE BRIDGE PREVENTIVE MAINTENANCE PROGRAM (BPMP) FOR HEGENBERGER ROAD BRIDGE OVER SAN LEANDRO STREET PREVENTIVE MAINTENANCE PROJECT (CITY PROJECT NO. C466710); AND TO AUTHORIZE A LOCAL MATCH OF 18 PERCENT FROM MEASURE B FUND 2211 IN THE AMOUNT OF ONE HUNDRED FIFTY-THREE THOUSAND EIGHT HUNDRED FORTY-TWO DOLLARS (\$153,842.00)

WHEREAS, California Department of Transportation (Caltrans) inspect all the City bridges every two to four years and recommend needed repairs; and

WHEREAS, repairs that are qualified under the federal Highway Bridge Program (HBP) are funded by Caltrans under the Bridge Preventive Maintenance Program (BPMP); and

WHEREAS, recent Caltrans bridge inspection reports for the Hegenberger Bridge recommend crack sealing of bridge deck, repair of minor concrete spalls and replacement of bridge joint material at several locations across the bridge; and

WHEREAS, in August 2011, the City applied to Caltrans for funding to perform the recommended repairs that were eligible for funding under Caltrans BPMP program; and

WHEREAS, the estimated total project cost is \$855,000.00; and

WHEREAS, the City has received a HBP/BPMP funded grant in the amount of \$701,158.00 having an allocation of \$92,957.00 for the design and \$608,201.00 for the construction phases, respectively; and

WHEREAS, the granting agency requires a minimum local match of 11.47%; and

WHEREAS, grant requirements stipulate that overhead costs are disallowed costs that are not reimbursable costs; now, therefore, be it

RESOLVED: that the City Council authorizes the City Administrator or her designee to accept and appropriate Seven Hundred One Thousand One Hundred Fifty-Eight dollars (\$701,158.00) in Federal HBP/BPMP grant funds for preventive maintenance and repairs to the Hegenberger Road Bridge Over San Leandro Street Preventive Maintenance Project (Project No. C466710) in fiscal year 2013/2014; and be it

FURTHER RESOLVED: that the City Council hereby authorizes a local match of 18 percent from Measure B Fund 2211 in the amount of One Hundred Fifty-Three Thousand Eight Hundred Forty-Two dollars (\$153,842.00) for the HBP/BPMP grant and for disallowed overhead costs in fiscal year 2013/2014; and be it

FURTHER RESOLVED: that the City of Oakland, by adopting this resolution, does hereby agree that the project will comply with the funding requirements as set forth in the grant funding agreement; and be it

FURTHER RESOLVED: that there is no pending or threatened litigation that might in any way adversely affect the ability of the City to deliver such project; and be it

FURTHER RESOLVED: that the City Administrator or her designee is authorized to negotiate grant terms, execute, modify, amend and extend agreements, make expenditures, and take all other actions with respect to the grant funding and this project in accordance with this resolution and its basic purposes; and be it

RESOLVED: that should additional funds be received for this project, such funds are hereby appropriated to the above named accounts, and the City Administrator, or her designee, is hereby authorized to accept the same for the purposes described above.

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 2013

PASSED BY THE FOLLOWING VOTE:

AYES – BROOKS, GALLO, GIBSON MCELHANEY, KALB, KAPLAN, REID, SCHAAF and PRESIDENT KERNIGHAN

NOES -

ABSENT -

ABSTENTION -

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