

CITY OF OAKLAND

AGENDA REPORT

2011 JUN 16 AM 10:42

TO: Office of the City Administrator
ATTN: P. Lamont Ewell
FROM: Public Works Agency
DATE: June 28, 2011

RE: Resolution Authorizing the City Administrator or Designee to Accept and Appropriate One Million Eight Hundred Thousand Nine Hundred Dollars (\$1,800,900.00) in Highway Safety Improvement Program (HSIP) Grant Funds to Upgrade Existing Traffic Signals, Install a New Traffic Signal, Modify Intersection Geometry, Install ADA-Compliant Curb Ramps, and Install Speed Message Signs at Various Intersections in the City of Oakland

SUMMARY

A resolution has been prepared authorizing the City Administrator, or designee, to accept and appropriate a Highway Safety Improvement Program (HSIP) Grant Funds award in the amount of \$1,800,900.00. The City is required to provide a local match of 10.39%, equivalent to \$208,700.00. This grant will allow the City to implement traffic safety improvements at various high-accident intersections throughout the City. Specifically, the grant will be used:

- 1) To modify and upgrade traffic signal standards at Hegenberger Road at Edes Avenue, Baldwin Street and Hamilton Street, and to install speed message signs at intersection approaches at Hegenberger Road at 73rd Avenue;
- 2) To install a traffic signal and ADA-compliant curb ramps at the intersection of Bancroft Avenue and 94th Avenue; and
- 3) To modify intersection geometry at the intersections of San Pablo Avenue at West Street and at West Grand Avenue, and to provide protected left-turn phasing at San Pablo Avenue at West Grand Avenue.

FISCAL IMPACTS

Approval of this resolution will allow the City to accept and appropriate \$1,800,900.00 for design and construction of the vehicular, pedestrian and bicycle safety improvements. The City is required to provide a local match of \$208,700.00. Funds will be deposited and appropriated within the State of California Department of Transportation Fund (2140), Traffic Capital Projects Organization (30264), and a new project number will be established. The local match will be available in the Capital Improvement Program, project title Traffic Signal Management, Measure B (Fund 2211), Transportation Services Division Organization (30264), and will be available in a project to be established in the 2011–2012 fiscal year.

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Caltrans is working with the Metropolitan Transportation Commission to include the projects in the next Federal Surface transportation Improvement Program (FSTIP) amendment. Installation of the new traffic signal at Bancroft Avenue/94th Avenue will increase annual operation and maintenance costs by an estimated \$3,000.00 and will be funded under traffic signal maintenance budget. Ongoing maintenance that would result from the other improvement projects is expected to be minimal and will not significantly increase maintenance costs.

BACKGROUND

The Highway Safety Improvement Program (HSIP), is a competitive grant program that provides federal funds to improve safety on roadways. HSIP funds must be expended on important safety projects that can be designed and constructed expeditiously. In December 2010, the City submitted HSIP-4 Grant proposals for the following traffic safety projects:

- 1) Along Hegenberger Road at Edes Avenue, Baldwin Street, Hamilton Street, and 73rd Avenue
- 2) Bancroft Avenue and 94th Avenue
- 3) San Pablo Avenue at West Street, and San Pablo Avenue at West Grand Avenue
- 4) International Boulevard between 77th and 81st Avenues, between 87th and 93rd Avenues, and at 83rd, 84th, 95th, 96th, 98th, and Auseon Avenues

The grant selection process is based on cost effective measures that can reduce the number and severity of collisions, especially those that result in severe injuries. The proposed projects on Hegenberger Road, Bancroft Avenue and San Pablo Avenue were awarded grant funds. The proposal for International Boulevard was not awarded funds. The projects that were approved were based on the streets' arterial conditions and safety records for the most recent 10- year history for which complete and reliable data was available when the grant was submitted, as follows:

- Hegenberger Road at Edes Avenue: 89 collisions
- Hegenberger at Baldwin Street: 54 collisions
- Hegenberger at Hamilton Street: 76 collisions
- Hegenberger at 73rd Avenue: 111 collisions
- Bancroft Avenue at 94th Avenue: 54 collisions
- San Pablo Avenue at West Street: 34 collisions
- San Pablo and West Grand: 27 collisions

KEY ISSUES AND IMPACTS

Approval of this resolution will allow the City to accept and appropriate grant funds to improve safety on Hegenberger Road, Bancroft Avenue and San Pablo Avenue. The proposed projects will modify and upgrade traffic signal standards, install speed message signs, provide protected left-turn phasing and modify intersection geometry and install ADA compliant curb ramps. As a part of the project implementation, staff will also identify opportunities to implement bicycle facilities in accordance with the Bicycle Master Plan.

The projects will improve visibility at intersections, clarify assignment of right-of-way, install speed calming devices and modify intersection geometry. These improvements will reduce collisions for pedestrians, bicyclists, and motorists. The ADA-compliant curb ramps will provide access for disabled persons. All roadway users will benefit from these improvements.

PROJECT DESCRIPTION

The proposed project locations are presented in *Attachment A* and are as follows:

San Pablo Avenue: Sidewalk widening is proposed at the intersection of San Pablo Avenue/West Street to separate the southwesterly leg of West Street from the signal operation. Due to the unusual geometry of this intersection, the resulting geometric change will slow turning vehicles and improve safety for pedestrians and bicyclists. Providing protected left-turn phasing at the intersection of San Pablo Avenue/West Grand Avenue will prevent left-turning vehicles from conflicting with pedestrians and with through traffic, thereby reducing vehicle-pedestrian accidents as well as head-on collisions involving left-turning and opposing traffic.

Bancroft Avenue / 94th Avenue: A new traffic signal will be installed at the intersection of Bancroft Avenue and 94th Avenue, including bicycle detection, and pedestrian amenities. The signal will improve safety at the intersection for pedestrians, bicyclists and motorists.

Hegenberger Road: Traffic signal modernization at Edes and at Baldwin will include new signal standards with mast arms, advance signals for improved visibility approaching the intersections, and speed feedback radar signs for traffic calming. Improvements at Hamilton include additional signal standards to improve safety for vehicular traffic and bicycles (Presently, there is no on-street crossing at this location; pedestrian crossings are accommodated by a pedestrian bridge over Hegenberger Road). The proposed improvement at 73rd Avenue includes installation of speed message signs for traffic calming.

SUSTAINABLE OPPORTUNITIES

Economic: Acceptance of this competitive grant will bring the City \$1.8 million in outside funding for much-needed transportation safety improvements. Improved safety will lead to enhanced economic activity.

Environmental: The improvements funded by the grant will promote and improve pedestrian and bicycle safety, thereby reducing dependency on gasoline engines, congestion and vehicle emissions, and improving the quality of life.

Social Equity: The improvements funded by the grant will provide improved accessibility and safety for walking and bicycling to employment and services for Oakland residents and visitors who use the 7 intersections.

DISABILITY AND SENIOR CITIZEN ACCESS

The improvements funded by this grant will incorporate design features compliant with the Americans with Disabilities Act (ADA), including new curb ramps and accessible pedestrian signals. Pedestrian improvements will greatly improve access for these citizens.


RECOMMENDATION AND RATIONALE

Staff recommends that the City Council authorize the City Administrator, or his designee, to accept and appropriate Federal Cycle 4 Highway Safety Improvement Program (HSIP-4) Grant funds in the amount of \$1,800,900.00. The grant funds respond to the need for traffic safety improvements on three high-collision corridors.

ACTION REQUESTED OF THE CITY COUNCIL

Staff recommends that the City Council approve the resolution.

Respectfully submitted,



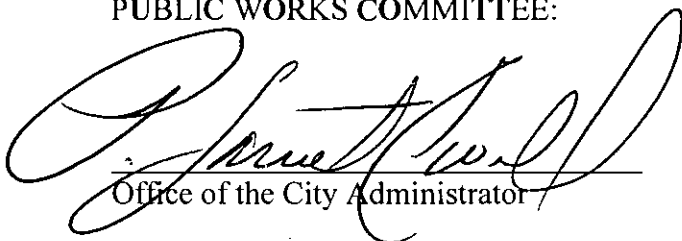
Vitaly B. Troyan, P.E., Director
Public Works Agency

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

Wladimir Wiassowsky, P.E.
Transportation Services Division Manager

Prepared by:
Ade Oluwasogo, P.E.
Supervising Transportation Engineer
Transportation Services Division

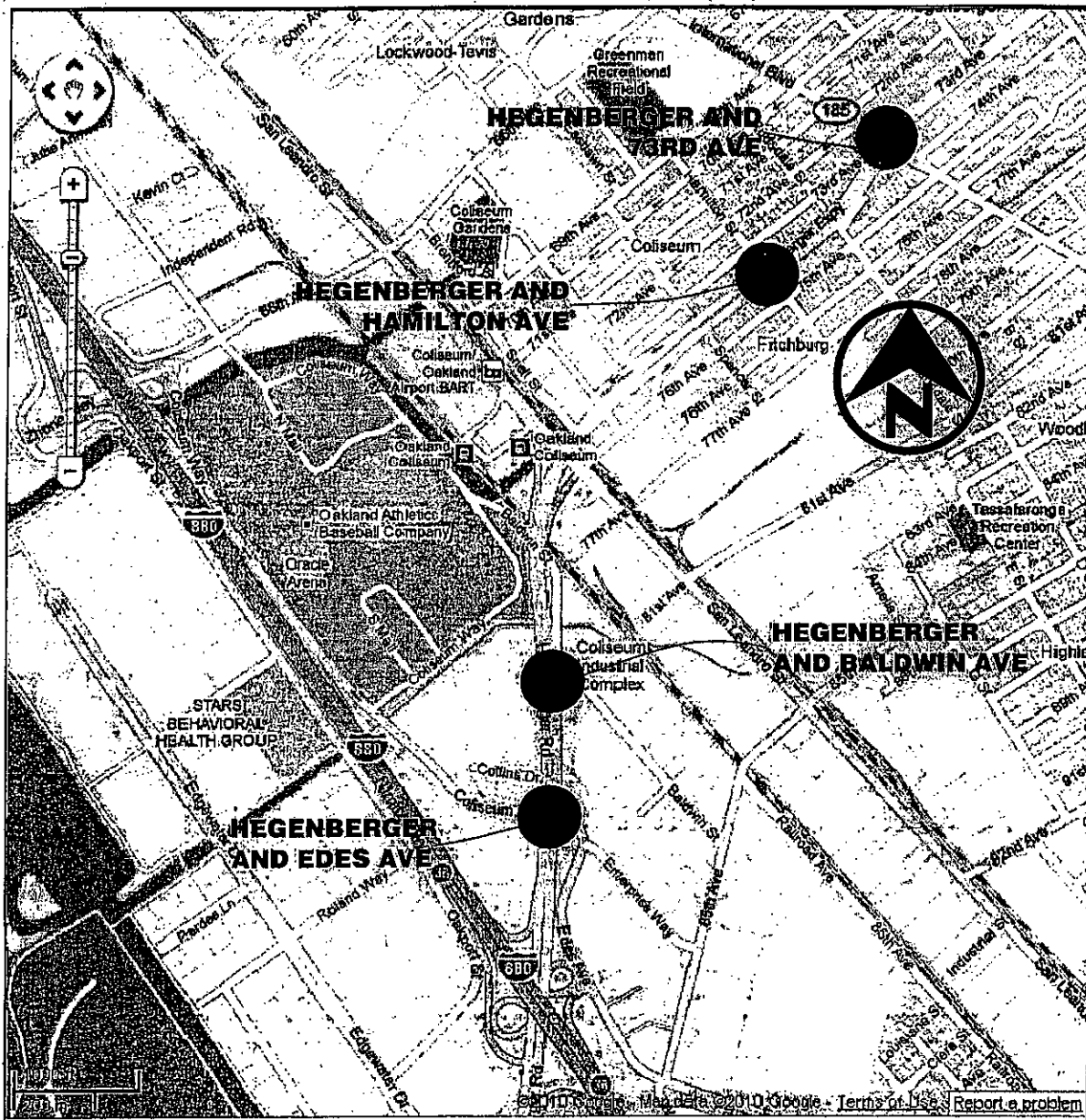
**APPROVED AND FORWARDED TO THE
PUBLIC WORKS COMMITTEE:**



Office of the City Administrator

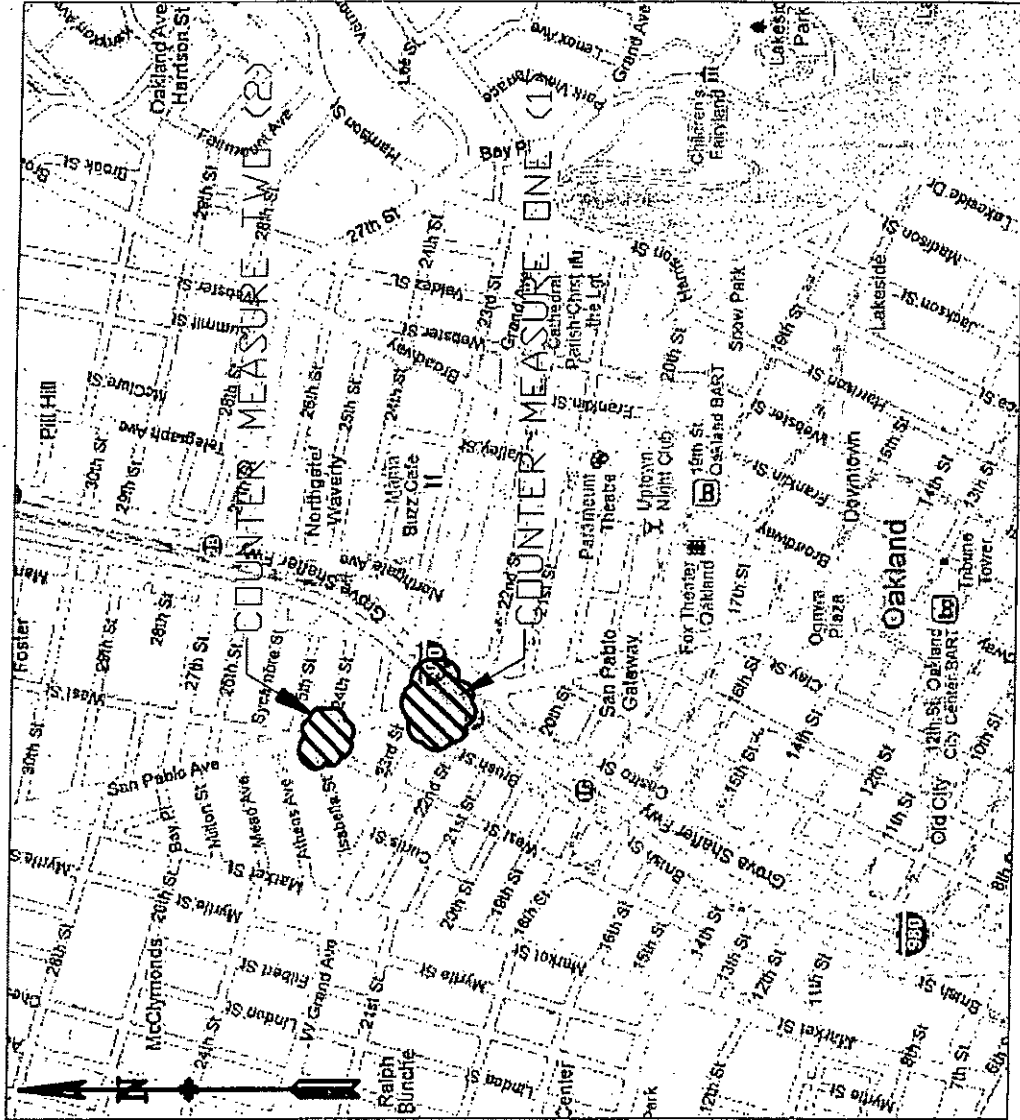
LOCATION MAP FOR HSIP APPLICATION AT HEGENBERGER ROAD

CITY OF OAKLAND



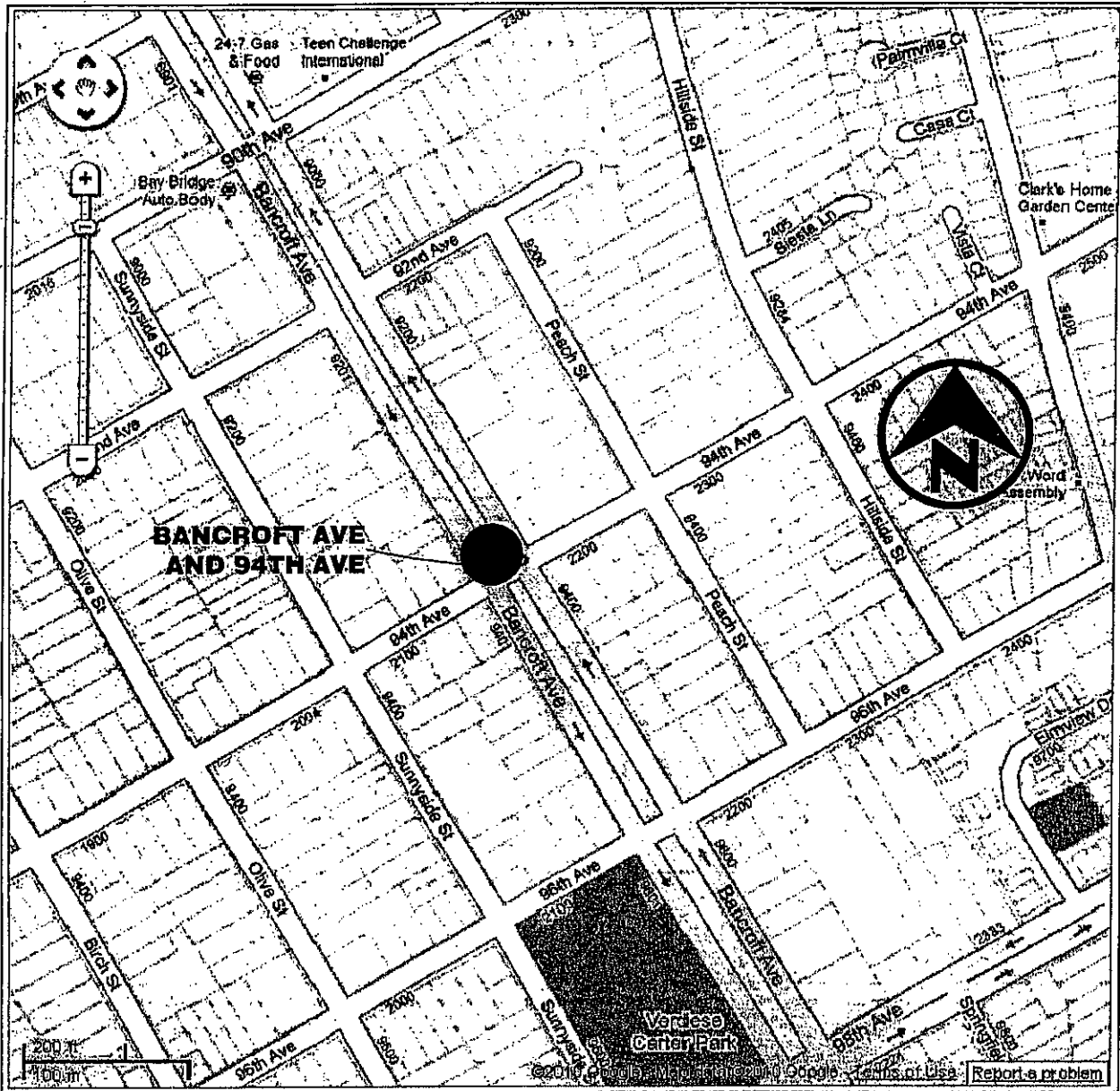
LOCATION MAP FOR SAN PABLO AVE. AT WEST ST.
& SAN PABLO AVE. AT WEST GRAND

LOCATION MAP



LOCATION MAP FOR HSIP GRANT PROPOSAL BANCROFT AVENUE PROJECT

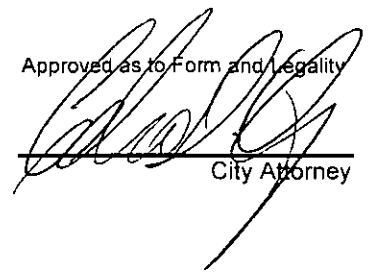
CITY OF OAKLAND



FILED
OFFICE OF THE CITY CLERK
OAKLAND

2011 JUN 16 AM 10:43

Approved as to Form and Legality



City Attorney

OAKLAND CITY COUNCIL

RESOLUTION No. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR DESIGNEE TO ACCEPT AND APPROPRIATE ONE MILLION EIGHT HUNDRED THOUSAND NINE HUNDRED DOLLARS (\$1,800,900.00) IN HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT FUNDS TO UPGRADE EXISTING TRAFFIC SIGNALS, INSTALL A NEW TRAFFIC SIGNAL, MODIFY INTERSECTION GEOMETRY, INSTALL ADA-COMPLIANT CURB RAMPS, AND INSTALL SPEED MESSAGE SIGNS AT VARIOUS INTERSECTIONS IN THE CITY OF OAKLAND

WHEREAS, the State of California Department of Transportation (Caltrans) disburses federal Highway Safety Improvement Program (HSIP) funds to eligible jurisdictions for projects that improve roadway safety for vehicles, pedestrians and bicycles; and

WHEREAS, the City of Oakland desires to accept and appropriate the \$1,800,900.00 in Federal Cycle 4 HSIP funds for the purpose of appropriating said funding to Caltrans Fund (2140), and Public Works Agency, Transportation Services Division Organization (30262), to address eligible traffic safety issues; and

WHEREAS, \$415,800.00 of said funding will be used to widen the sidewalk at the intersection of San Pablo Avenue and West Street as a traffic calming measure benefiting pedestrians and bicyclists, and to provide protected left-turn signal phasing at the intersection of San Pablo Avenue and West Grand Avenue; and

WHEREAS, \$485,100.00 of said funding will be used to install new traffic signal and ADA-compliant curb ramps at the intersection of Bancroft Avenue and 94th Avenue; and

WHEREAS, \$900,000.00 of said funding will be used to modify traffic signals at the intersections of Hegenberger Road at Edes Avenue, Hegenberger Road at Baldwin Street, Hegenberger Road at Hamilton Street and Hegenberger Road at 73rd Avenue; and

WHEREAS, the local match of \$208,700.00 is available in the Hazard Elimination Safety Project (C371010 & C316210), Measure B-ACTIA Fund (2211), Transportation Services Division Organization (92246); and

WHEREAS, the Public Works Agency has requested a waiver of the 1.5% public art fee for this project because HSIP guidelines restrict funding uses to traffic safety improvements and prohibit the use of grant funds for public art; now, therefore, be it

RESOLVED: That the City Council hereby authorizes acceptance and appropriation of the Federal Cycle 4 Highway Safety Improvement Program funds in the total amount of \$1,800,900.00 for the aforementioned eligible traffic safety improvements; and be it

FURTHER RESOLVED: That these grant funds will be deposited and appropriated to Caltrans Fund (2140), Transportation Services Division Organization (30262) in a project number to be established; and be it

FURTHER RESOLVED: That for this project the 1.5% public art fee is waived because HSIP guidelines prohibit the use of grant funds for public art; and be it

FURTHER RESOLVED: That the City Administrator, or his designee, is authorized, on behalf of the City of Oakland, to execute and submit all documents, payment requests, and related actions, as well as to appropriate any additional grant funds received for the completion of this project.

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 20_____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, BRUNNER, DE LA FUENTE, KAPLAN, KERNIGHAN, NADEL, SCHAAF AND PRESIDENT REID

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____

LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California