

CITY OF OAKLAND

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OFFICE OF THE CITY CLERK  
OAKLAND

2019 JUN 13 PM 2:39

# AGENDA REPORT

**TO:** Sabrina B. Landreth  
City Administrator

**FROM:** Ryan Russo  
Director  
Department of Transportation

**SUBJECT:** Resolution to Accept and Appropriate  
Highway Safety Improvement Program  
Cycle 9 (HSIP9) Grant Funds

**DATE:** May 16, 2019

City Administrator Approval

Date:

6/12/19

## RECOMMENDATION

**Resolution Authorizing The City Administrator Or Designee To Accept And Appropriate Two Highway Safety Improvement Program Cycle 9 (HSIP9) Grants Totaling \$1,345,930 To Implement Safety And Operational Improvements For Pedestrians, Bicyclists And Motorists At Various Streets And Intersections In The City Of Oakland, And To Allocate \$154,070 As The Required City Local Match In Measure BB And Measure KK Infrastructure Bond Fund.**

## EXECUTIVE SUMMARY

Approval of this resolution will allow the City to accept and appropriate \$1,345,930 for the design and construction of pedestrian facilities; (sidewalks, crosswalks), roadway improvements and flashing beacons under two projects. The City is required to provide a local match of \$154,070 which represents 10.3 percent of total project cost. Local match funds will be allocated from a combination of Measure BB Local Matching Funds and Measure KK Infrastructure Bond Fund.

## BACKGROUND / LEGISLATIVE HISTORY

In August 2018, the Department of Transportation (DOT) submitted four (4) grant proposals under HSIP9, and in December 2018 was notified that the City received funding approval for two proposals totaling \$1,345,930 in federal funds. A local match of \$154,070 is required under the grant program. The two proposals include projects that will enhance safety and access for pedestrians and motorists. Project #1 consists of pedestrians' safety improvements along Foothill Boulevard from Harrington Street to Cole Street, and MacArthur Boulevard from 69<sup>th</sup> Avenue to 96<sup>th</sup> Avenue. Project #2 consists of pedestrians' safety enhancement at the intersections of 7<sup>th</sup> Street/Filbert Street, Oakland Avenue/Moss Avenue and 98<sup>th</sup> Avenue/C Street. Project locations are as shown in **Attachments A and B**. Implementation of the projects requires that the City Council accept the HSIP9 grant and commit funds for local match. The list of approved projects are in **Attachment C**.

Item: \_\_\_\_\_  
Public Works Committee  
June 25, 2019

The Highway Safety Improvement Program (HSIP) is a competitive grant program that provides federal funds to improve safety on roadways for all modes of transportation.

### **ANALYSIS AND POLICY ALTERNATIVES**

The proposed improvements include installation of bulb-outs, pedestrian median refuge islands, curb ramps, crosswalk enhancements, rectangular rapid flashing beacons, signing and striping, and pavement markings, all of which are from a list of approved measures recognized by the HSIP as having effectiveness in reducing collisions and improving safety.

The corridors were selected because of recorded high number of collisions over a five-year period (2012 to 2016) and the potential to address the particular collision type with HSIP approved countermeasures. Factors attributed to collisions include unsafe speeds, right-of-way violations, visibility issues, high pedestrian volumes and uncontrolled crossings. Staff evaluated street corridors citywide using grant guidelines and the most recent available historical collision records. Staff created heat maps to highlight patterns of collision to identify street corridors that were selected.

The proposed locations and improvements for HSIP9 are as follow:

*Project #1: Pedestrian Safety Enhancements on Foothill Boulevard (Harrington Ave to Cole St) and MacArthur Boulevard (69<sup>th</sup> to 96<sup>th</sup> Avenue)*

**Project Description:** Foothill Boulevard is a major arterial street with one travel lane each way, and median two-way left turn lanes along most its length. MacArthur Boulevard is a major arterial street with one to two travel lanes each way, raised medians, left turn storage lanes, and median two-way left turn lanes along most of its length. The project includes a total of seven (7) intersections on Foothill Boulevard and a total of thirteen (13) intersections on MacArthur Boulevard as shown in **Attachment A**. Improvements will include multiple installations of bulb-outs, pedestrian median refuge islands, crosswalk enhancements (high visibility ladder style striped crosswalks), rectangular rapid flashing beacons, signing and striping. The project will improve safety for pedestrians and bicyclists to and from schools, churches, parks, recreation center, library, businesses, commercial districts, single family homes, and multi-unit housings. Corridors were selected based on pedestrian safety. Out of the 21 collisions in five years within the project area, 23 resulted in pedestrian injuries including one fatality and three severe injuries.

*Project #2: Pedestrian Crossing Enhancements at 7<sup>th</sup> Street/Filbert Street, Oakland Avenue/Moss Avenue and 98<sup>th</sup> Avenue/C Street*

**Project Description:** The project sites were selected based on criteria that includes proximity to major pedestrian traffic generators, uncontrolled crosswalks, low visibility of pedestrians, failure to yield to pedestrians, high pedestrian volumes, high conflicting vehicular volume, and long crossing distances. Improvements will include installations of a median island, bulb-outs, curb ramps, rectangular rapid flashing beacons, pavement markings, and signs. The three (3) project sites are as shown in **Attachment B**.

**FISCAL IMPACT**

HSIP9 grant funds of \$1,345,930 will be deposited and appropriated in the Department of Transportation, Organization 35216 and 92246, and will be available in the 2019-2020 fiscal year. A new Project Number will be created for each of the two projects and each of the matching funds.

The HSIP grant only allows funds to be used on traffic safety improvements and prohibits the use of grant funds on public art. As such the 1.5% public art fee is not eligible for these projects.

The breakdown of federal grant and local funds for the projects are shown below:

Project Titles	Total Project Cost	Federal Grant	Local Match
Foothill Blvd and MacArthur Blvd	\$1,217,700	\$1,095,930	\$121,770
Pedestrian Crossing Enhancements	\$ 282,300	\$ 250,000	\$ 32,300
Total	\$1,500,000	\$1,345,930	\$154,070

Projects are included in the next Federal Surface Transportation Improvement Program (FSTIP) amendment. The proposed crosswalk enhancements include Rectangular Flashing Beacons estimated to have annual operations and maintenance costs of \$6,000 to be funded under the traffic signal maintenance budget. Maintenance of signing and striping work is expected to be minimal and will not significantly increase maintenance costs.

**PUBLIC OUTREACH / INTEREST**

Staff presented both projects to the Oakland's Bicyclist & Pedestrian Advisory Commission (BPAC) and received positive feedback.

**COORDINATION**

The Department of Transportation is responsible for funding, planning, designing, implementing, and maintaining traffic signals, pedestrian, and bicycle capital projects. Staff consulted with the City's Bicycle and Pedestrian Programs and Transportation Planning staff. The Oakland Police Department was consulted during the grants application and projects development due to their knowledge of traffic collisions within the project areas. All street corridors and areas selected have historically been the subject of ongoing community concerns. The two projects will enhance mobility and access for pedestrians, and will improve safety for all users. These improvements will reduce potential conflicts, collisions, and severity of collisions. All improvements are consistent with the City of Oakland Pedestrian Plan and Bicycle Master Plan, as well as the Oakland's Complete Street Policy. The Office of the City Attorney and the City's Budget Bureau also reviewed this report and resolution.

**SUSTAINABLE OPPORTUNITIES**

***Economic:*** Improvements to pedestrian facilities contribute to local economic activities. Safer crossings promote walking.

***Environmental:*** Walking is an energy efficient forms of transportation and creates no emissions. Accessible pedestrian infrastructure promotes physical activity and good health. Walking contributes towards the City's goal to reduce greenhouse gas emissions.

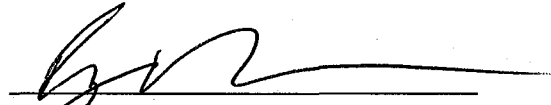
***Social Equity:*** Improving pedestrian facilities is the key in promoting walking as a viable mode of transportation. Project sites are in areas of the City with high equity index score. Specifically, for Project #1 and Project #2, equity indices range from 0.6 to 1.0 (medium to high).

**ACTION REQUESTED OF THE CITY COUNCIL**

Staff recommends that the City Council approve a resolution authorizing the City Administrator or Designee to accept and appropriate two (2) Highway Safety Improvement Program (HSIP) Cycle 9 grants totaling \$1,345,930 to implement safety improvements for pedestrians and motorists at various street corridors and intersections in the City of Oakland, allocate \$154,070 as the required City's local match from a combination of Measure BB Local Matching Funds and Measure KK Infrastructure Bond.

For questions regarding this report, please contact Mohamed Alaoui, Department of Transportation, Manager, at (510) 238-3469.

Respectfully submitted,



Ryan Russo, Director  
Department of Transportation

Reviewed by:  
Mohamed Alaoui, P.E.  
Department of Transportation, Great Streets  
Manager

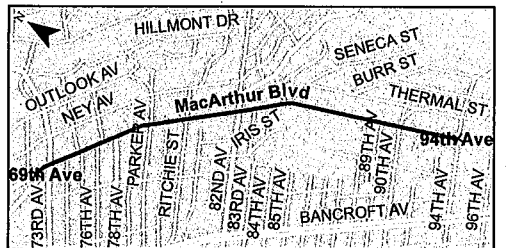
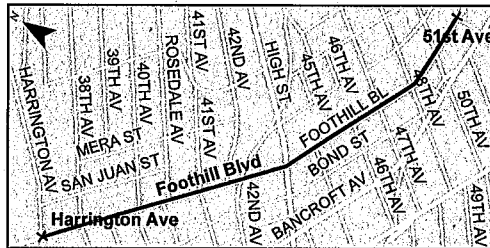
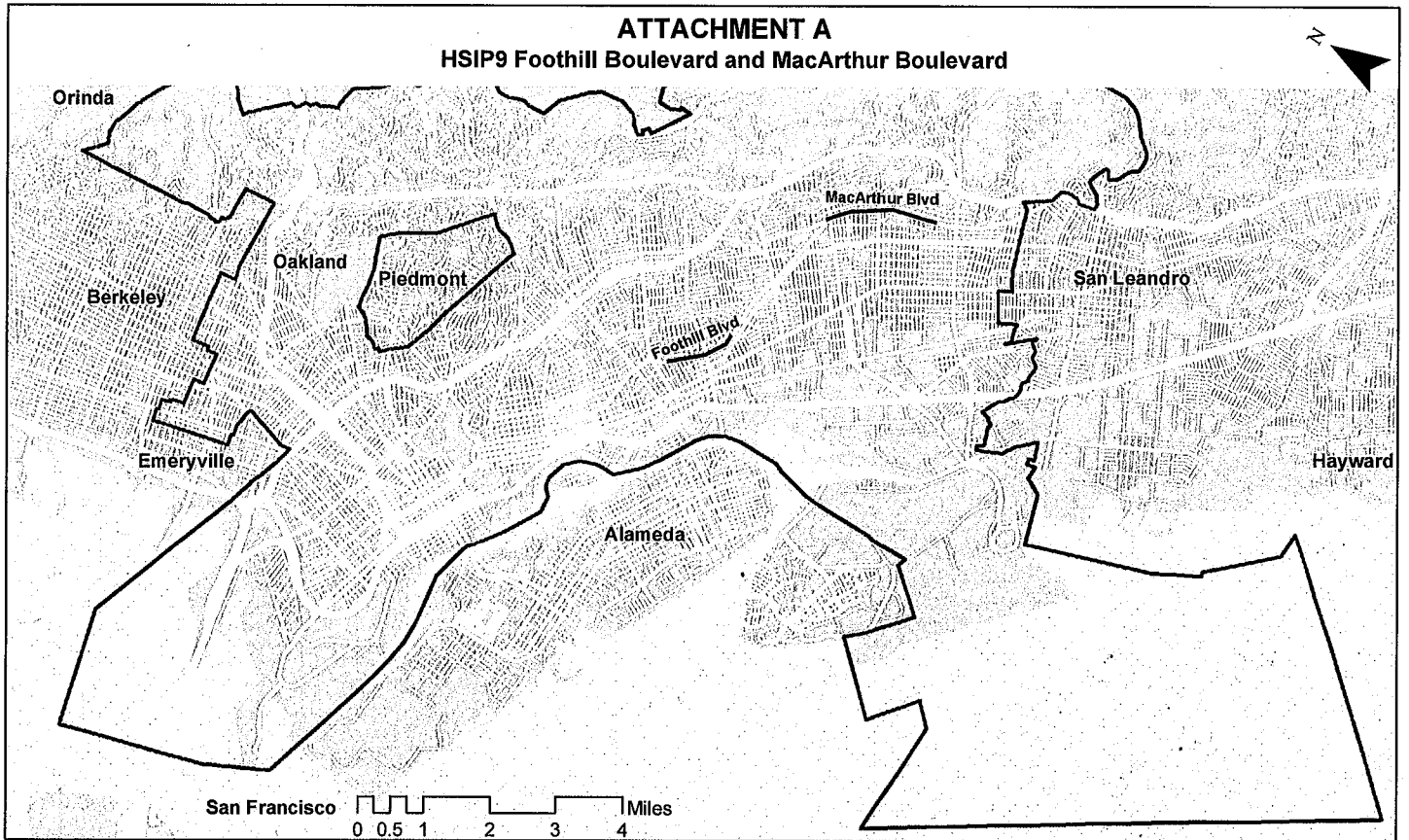
Prepared by:  
Ade Oluwasogo, P.E.  
Supervising Transportation Engineer  
Great Streets, Traffic Capital Projects  
Department of Transportation

Attachments (3):

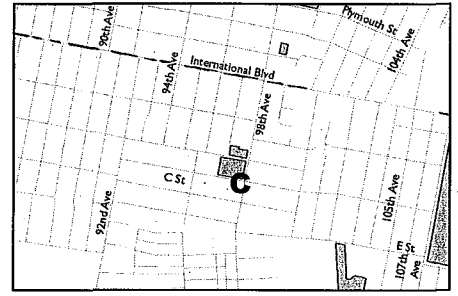
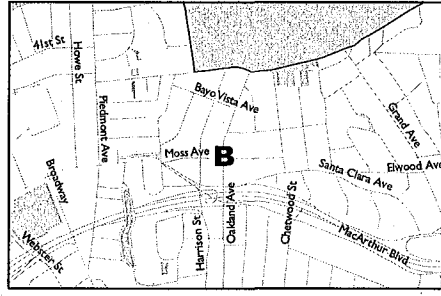
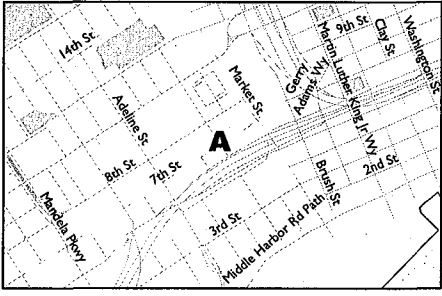
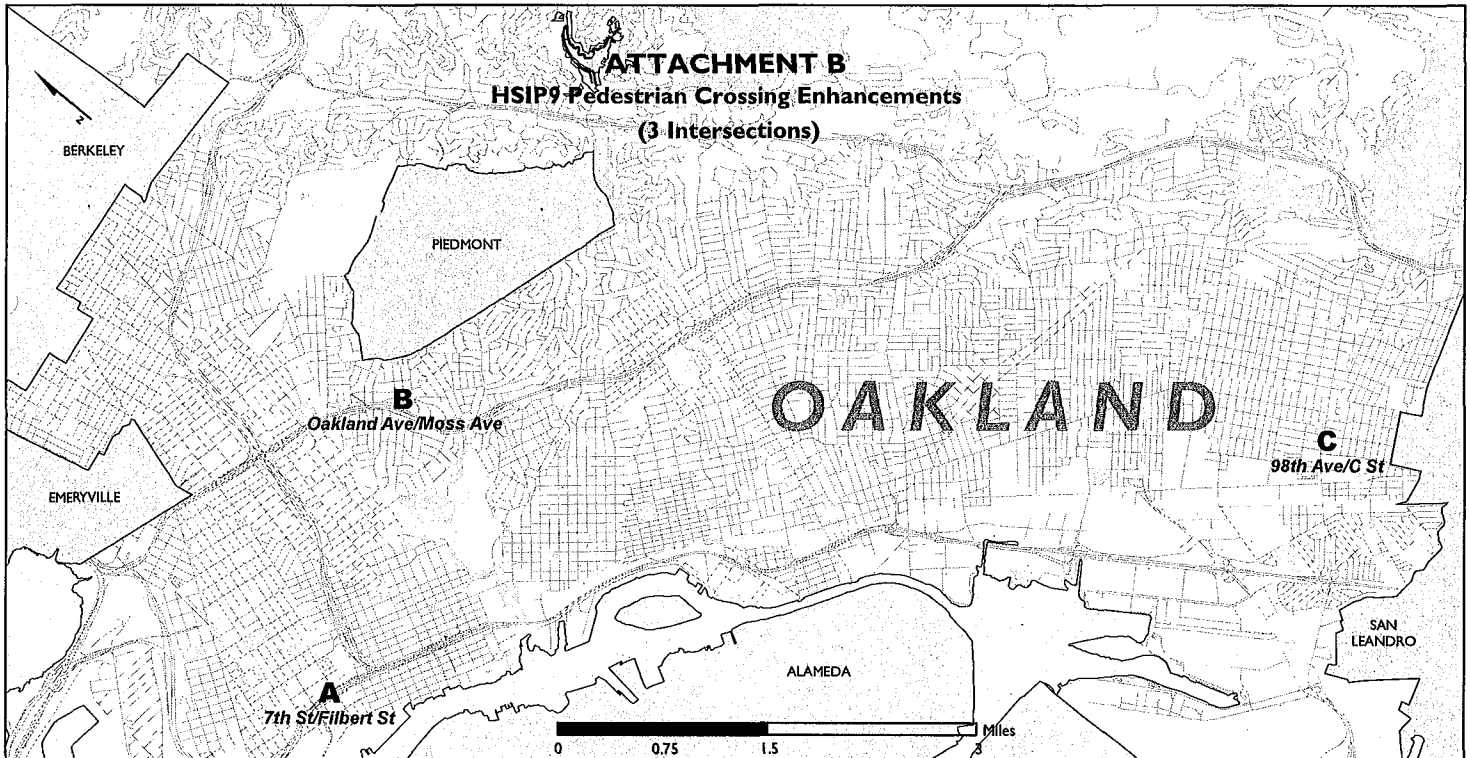
- A: Foothill Boulevard and MacArthur Boulevard
- B: Pedestrian Crossing Enhancements
- C: List of Awarded Projects

# ATTACHMENT A

## HSIP9 Foothill Boulevard and MacArthur Boulevard



**ATTACHMENT B**  
**HSIP9 Pedestrian Crossing Enhancements**  
**(3 Intersections)**



Oakland HSIP Cycle 9 Grant Application  
 Figure 1: Pedestrian Crossing Enhancement Project Sites

**ATTACHMENT C**

**List of Awarded Projects under Highway Safety Improvement Program (HSIP) Cycle 9**

No.	Unique Project ID	Original Application ID	Caltrans District	Agency Name	MPO	Location of Work	Description of Work	Project Cost	Federal Funds	Local Match
60	H9-04-021	04-Oakland-3	4	Oakland	MTC	Foothill Blvd between Harrington Ave and Cole St, and MacArthur Blvd between 69th and 96th Ave.	Construct bulbouts, pedestrian median refuge islands, crosswalk enhancements, Rectangular Rapid Flashing Beacons (RRFBs), signs and striping.	\$ 1,217,700	\$ 1,095,930	\$ 121,770
61	H9-04-022	04-Oakland-4	4	Oakland	MTC	Four (4) uncontrolled crosswalks along minor arterials at the following three intersections: 7th Street & Filbert Street; Oakland Avenue & Moss Avenue; and 98th Avenue & C Street.	Install flashing beacons, pavement markings and signs; construct a median island, curb ramps and bulb outs.	\$ 282,300	\$ 250,000	\$ 32,300
							<b>TOTAL</b>	<b>\$ 1,500,000</b>	<b>\$ 1,345,930</b>	<b>\$ 154,070</b>



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OAKLAND

~~DRAFT~~  
City Attorney

2019 JUN 13 PM 2:33 **OAKLAND CITY COUNCIL**

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

Introduced by Councilmember \_\_\_\_\_

**RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR DIRECTOR OF TRANSPORTATION OR DESIGNEE TO ACCEPT AND APPROPRIATE TWO HIGHWAY SAFETY IMPROVEMENT PROGRAM CYCLE 9 (HSIP9) GRANTS TOTALING \$1,345,930 TO IMPLEMENT SAFETY IMPROVEMENTS FOR PEDESTRIANS AND MOTORISTS AT VARIOUS STREETS AND INTERSECTIONS IN THE CITY OF OAKLAND, AND ALLOCATE \$154,070 AS REQUIRED CITY LOCAL MATCH IN MEASURE BB LOCAL MATCH FUNDS AND MEASURE KK INFRASTRUCTURE BOND FUND.**

**WHEREAS**, on August 30, 2018, the City of Oakland submitted four grant proposals under Highway Safety Improvement Program Cycle 9 (HSIP9); and

**WHEREAS**, on December 17, 2018, the City of Oakland received an approval on two HSIP9 projects for a total project cost of One Million Five Hundred Thousand Dollars (\$1,500,000) which includes a federal grant portion of \$1,345,930 and a required City local match portion of \$154,070 which represents 10.3 percent of the total project cost as a condition of the HSIP9 grant; and

**WHEREAS**, under the Foothill Boulevard and MacArthur Boulevard Improvements Project, a federal grant portion of \$1,217,700 and a City local match portion of \$121,770 will be used to install bulb-outs, pedestrian median refuge islands, crosswalk enhancements, rectangular rapid flashing beacons, and signing and striping; and

**WHEREAS**, under the Pedestrian Crosswalk Enhancements Project, a federal grant portion of \$250,000 and a City local match portion of \$32,300 will be used to install bulb-outs, a median island, curb ramps, rectangular rapid flashing beacons, pavement markings, and signs; and

**WHEREAS**, the City has prepared a preliminary traffic and safety assessment at all project sites to address safety, access and mobility, and to identify countermeasures to address deficiencies; and

**WHEREAS**, the Department of Transportation has requested a waiver of the 1.5% public art fee for this project because HSIP guidelines only allows 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 authorizes to accept and appropriate federal grants in an

amount not to exceed \$1,345,930 and allocate a City local match totaling \$154,070 for the two projects as listed below; and

**RESOLVED:** That the City Council authorizes to accept and appropriate federal grants of \$1,095,930 and allocate a City local match of \$121,770 for the Foothill Boulevard and MacArthur Boulevard Improvements Project; and

**RESOLVED:** That the City Council authorizes to accept and appropriate federal grants of \$250,000 and allocate a City local match of \$32,300 for the Pedestrian Crossing Enhancements Project; and

**FURTHER RESOLVED:** That said federal grant funds will be deposited and appropriated in the Department of Transportation Funds 2216, 5330, Department of Transportation, Traffic Capital Projects Organization 35216, 92246, Expense 56611, 57411, 57412 which will be available in the 2019-2020 fiscal year, and in a project number to be established for each project; and be it

**FURTHER RESOLVED:** That said City local match funds is available in Measure BB Fund 2216 and Measure KK Infrastructure Bond Fund 5330, Department of Transportation, Organization 35216, 92246, Expense 56611, 57411, 57412; and be it

**FURTHER RESOLVED:** That the City Council authorizes the implementation of the two HSIP9 projects, namely Foothill Boulevard and MacArthur Boulevard Improvements Project, and Pedestrian Crossing Enhancements Project; and be it

**FURTHER RESOLVED:** That the City Administrator or designee shall file a Notice of Determination/Notice of Exemption with the clerk of the County of Alameda and the Office of Planning and Research on each of the two HSIP9 projects.

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

**PASSED BY THE FOLLOWING VOTE:**

AYES: FORTUNATO BAS, GALLO, GIBSON MCELHANEY, KALB, REID, TAYLOR, THAO  
AND PRESIDENT KAPLAN

NOES -

ABSENT -

ABSTENTION -

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