



CITY OF  
**HAYWARD**  
HEART OF THE BAY

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**DATE:** April 27, 2010

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Carlos Bee Boulevard Realignment: Approval of Plans and Specifications and Call for Bids; and Authorization for the City Manager to Execute an Amendment to the Professional Services Agreement with BKF Engineers

### **RECOMMENDATION**

That Council adopts the attached resolutions for the Carlos Bee Boulevard Realignment Project:

1. Approving the plans and specifications and calling for bids to be received on June 1, 2010;
2. Authorizing the City Manager to execute an amendment to increase the existing Professional Services Agreement with BKF Engineers for additional design services in an amount not to exceed \$45,000.

### **BACKGROUND**

In 2001, a City-wide traffic safety improvement study demonstrated that the section of Carlos Bee Boulevard from Mission Boulevard to Overlook Avenue is one of the worst locations in the City relative to the frequency of collisions. Drivers travelling in the westbound (downhill) direction encounter a steep grade of sixteen percent, which naturally causes increased speeds. Furthermore, just west of Overlook Avenue, there is a sharp curve with a crown section. During wet weather, the combination of excessive speed and the roadway conditions have resulted in drivers losing control of their vehicles and crashing into the existing crash cushions and guardrails. Between 1998 and 2007, there has been a total of 144 collisions on this section, with seventy-six people injured and one fatality.

In early 2008, staff applied for federal Highway Safety Improvement Program (HSIP) funding and was successful in receiving \$724,500 of funding to improve Carlos Bee Boulevard by realigning the roadway between Mission Boulevard and Overlook Avenue. See Attachment III for the project location map.

On December 16, 2008, Council authorized the City Manager to execute an agreement with BKF Engineers to provide engineering services for the Carlos Bee Boulevard Realignment project. The project plans, specifications, and estimate are now complete.

## DISCUSSION

Over the years, a number of safety improvement projects were implemented on Carlos Bee Boulevard. The installation of guardrails, crash cushions, open-graded asphalt concrete overlay, and advanced warning signs did not fully address the problem. This was evident by the fact that collisions continued to occur.

To permanently address this safety problem, the sharp curve will be reduced and improved by increasing the curve radius and shifting the roadway to the south as shown in Attachment IV. The project will also eliminate the existing crowned section by introducing a super-elevated section (as shown in Attachment V), which will result in safer travel along the curved section. Another safety feature will include the extension of the existing median to Overlook Avenue. A raised median will help keep vehicles from crossing over to the other direction during accidents and help prevent head-on collisions. This improvement project will also widen the roadway. Carlos Bee Boulevard is currently designated as a bike route with four twelve-foot lanes. This project will widen the curb lanes to fifteen feet in the westbound direction and to sixteen feet in the eastbound direction to allow for an appropriate bike route. Other ancillary improvements will include sidewalks, curb, gutter, and landscaping.

While this improvement project is within the City's right-of-way, there is a need for a slope easement and a temporary construction easement (TCE). On the north side of Carlos Bee Boulevard there is a need for a slope easement to conform the slope on the property owned by the YMCA to prevent future erosion. On the south side where the new roadway is shifted towards Caltrans-owned property, there is a need for a TCE. Caltrans has agreed to provide a right of entry document so that the project advertisement can proceed. Caltrans requested that the existing guardrails on the north side, which front their property, be removed and that the proposed project not install new guardrails in order to allow future development to have direct access onto Carlos Bee Boulevard. Staff has agreed with Caltrans' request to permanently remove the guardrails, since the new realignment does not warrant the need for guardrails. However, any access onto Carlos Bee Boulevard for those properties would have to be critically evaluated during the development application process. Additionally, Staff agreed to vacate the crescent area of the right-of-way created in front of the Caltrans property by the road way realignment as shown in Attachment IV. City Council action for the vacation of this area will be requested during award of the contract.

Since the project is partly financed with federal funds, Disadvantaged Business Enterprise (DBE) requirements will apply. The current federal DBE program requires the establishment of a specific goal for subcontracting participation from four minority groups that were found to be underutilized. These groups are women, Native Americans, African Americans, and Asian Pacific Americans. The project will have a contract goal of 7.2 percent Underutilized Disadvantaged Business Enterprise (UDBE) participation.

The original professional services agreement with BKF Engineers was for \$80,000, of which \$30,000 was for additional services. During the design of the project, significant changes were made to the original scope of work including the widening of the roadway and the addition of the raised median. The revision required additional topographic survey and redesign. In order to address these changes in the scope of work, staff recommends an increase of \$45,000 for additional services, which would amend the professional services agreement total not-to-exceed amount to \$125,000.

## FISCAL IMPACT

The estimated project costs are as follows:

Construction Contract	\$1,080,000
City Design and Administration	50,000
Consultant Design	125,000
Right of Way	35,000
Services by City Forces	25,000
Construction Staking, Inspection and Testing	108,000
Total	<u>\$1,423,000</u>

The proposed FY 2011 Capital Improvement Program includes \$1,423,000 in the Street System Improvements Fund for the Carlos Bee Boulevard Realignment project. As noted above, the City will be reimbursed \$724,500 from the Highway Safety Improvement Program.

## PUBLIC CONTACT

Residents within a 1,000-foot radius of the project (approximately 1,600 households) were invited to an informational meeting held on April 8, 2010, at the Stonebrae Elementary School to discuss the project. Six people attended the public meeting. At that meeting, staff provided information regarding the scope of the project as well as a clear description of the construction duration and its various stages.

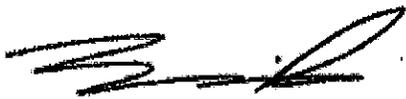
## SCHEDULE

Open Bids	June 1, 2010
Award Contract	June 22, 2010
Begin Work	July 12, 2010
Complete Work	December 20, 2010

*Prepared by:* Morad Fakhrai, Deputy Director of Public Works

*Recommended by:* Robert A. Bauman, Director of Public Works

*Approved by:*



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Fran David, Acting City Manager

## Attachments:

- Attachment I: Resolution: Approve Plans and Specifications and Call for Bids
- Attachment II: Resolution: Authorization for City Manager to Execute an Amendment to the Professional Services Agreement with BKF Engineers
- Attachment III: Project Location Map
- Attachment IV: Proposed Roadway Realignment

## Attachment V: Typical Sections

# DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. 10-\_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION APPROVING PLANS AND  
SPECIFICATIONS FOR CARLOS BEE BOULEVARD  
REALIGNMENT PROJECT, PROJECT NO. 5105, AND  
CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Carlos Bee Boulevard Realignment Project, Project No. 5105, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project;
2. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law;
3. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 B Street, Hayward, California 94541, up to the hour of 2:00 p.m. on Tuesday, June 1, 2010, and immediately thereafter publicly opened and declared by the City Clerk in Conference Room 4D, City Hall, Hayward, California;
4. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same.
5. The State has determined that the project is a Categorical Exclusion for the National Environmental Policy Act under Title 23 CFR 771.117(d).

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2010

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward

# DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. 10-\_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION AUTHORIZING AN INCREASE IN  
ADDITIONAL PROFESSIONAL SERVICES WITH BKF  
ENGINEERS FOR THE CARLOS BEE BOULEVARD  
REALIGNMENT PROJECT, PROJECT NO. 5105

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That the original professional services agreement with BKF Engineers for the Carlos Bee Boulevard Realignment Project, Project No. 5105 was for \$80,000, of which \$30,000 was for additional services; and
2. That during the design of the project, numerous changes were necessary that required modification to the consultant's scope of work and staff is recommending an increase of \$45,000 to the additional services portion of the agreement; and
3. That City Council authorizes an increase of \$45,000 to the additional services portion of the professional services agreement with BKF Engineers for a new total contract not-to-exceed amount of \$125,000.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2010

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

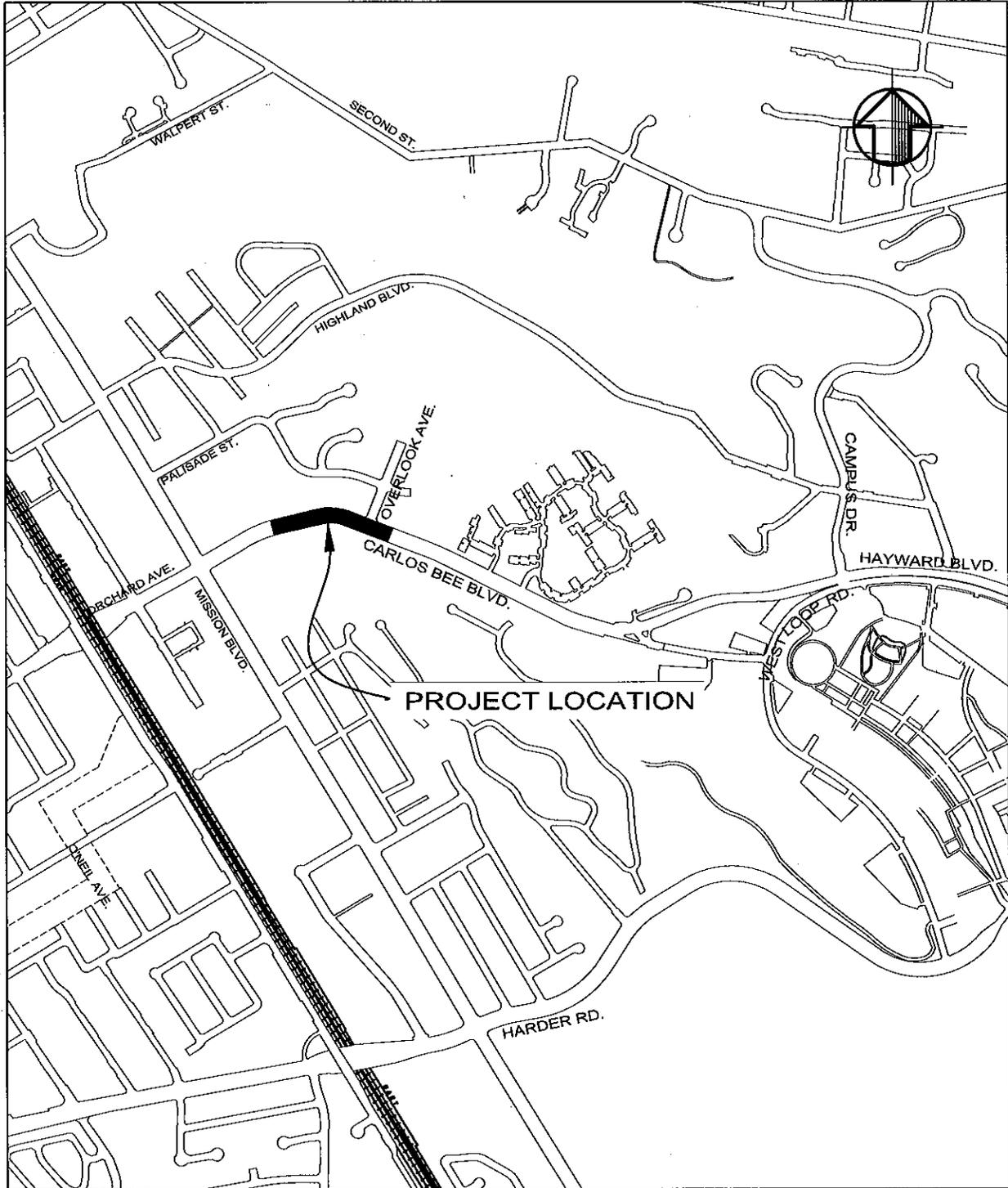
ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward



**CARLOS BEE BOULEVARD REALIGNMENT**  
BETWEEN 450' EAST OF MISSION BLVD AND 250' EAST OF OVERLOOK AVE

**PROJECT LOCATION MAP**