



**DATE:** November 15, 2016

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT**

Mission Boulevard/Blanche Street and Gading Road/Huntwood Way Intersections Safety Improvements: Award of Contract

### **RECOMMENDATION**

That Council adopts the attached resolution (Attachment II & III) awarding the contract to Ray's Electric in the amount of \$476,000; and appropriating and authorizing the expenditure of \$114,000 on this project for contingencies, construction inspection, testing and administration.

### **BACKGROUND**

A City-wide traffic safety improvement study identified the need for improvements at the intersections of Mission Boulevard/Blanche Street as well as the Gading Road/Huntwood Way. At the intersection of Mission Boulevard/Blanche Street, the pedestrian crosswalk is unprotected across four lanes of traffic on Mission Boulevard. This crosswalk is used by school children going to and from Conley-Caraballo High School. At the intersection of Gading Road/Huntwood Way, there is an unsafe left turn movement from Huntwood Way into Gading Road, and an unprotected left turn movement from Gading Road into Huntwood Way.

Collision data demonstrated a pattern of high-collision locations centered around the above noted intersections. Broadside, sideswipe, rear-end, and vehicle-pedestrian collisions were the most common types of accidents. Expressed community concerns and requests for improvements were consistent with the collision data. This improvement project will mitigate the identified safety issues.

In early 2013, staff applied for federal Highway Safety Improvement Program (HSIP) funding and received \$396,000 to improve the above-mentioned intersections. The project location map is referenced in Attachment IV.

On May 17, 2016, Council approved the plans and specifications for the Mission Boulevard/Blanche Street and Gading Road/Huntwood Way Intersections Safety Improvements, and called for bids to be received on June 14, 2016.

On June 14, 2016, four bids were received for the project that ranged from \$668,268 to \$823,565, and were significantly higher than the engineer's estimate. In addition, Caltrans found irregularity with the required documentation for the proposed proprietary video detection system which they previously approved, but could have resulted in forfeiture of federal funding. For these reasons, staff recommended that the bids be rejected. On September 13, 2016, Council rejected all bids received on June 14, 2016, approved revised plans and specifications for the project, and called for new bids to be received on October 11, 2016.

## **DISCUSSION**

The project improvements will include the following:

- (1) Mission Boulevard & Blanche Street – Installation of a pedestrian-activated hybrid beacon, high-intensity crosswalk (HAWK) signal (see Attachment VI), and updating the crosswalk striping at this intersection. This will bring greater driver awareness to the presence of pedestrians. This intersection meets the warrants for a full traffic signal system. The future Mission Boulevard Corridor (Phase 2) Improvements project will further modify this intersection and install a full traffic signal system.
- (2) Gading Road & Huntwood Way – Installation of a new traffic signal system at Gading Road/Huntwood Way will upgrade an existing stop controlled intersection to a fully signalized intersection with protected left-turns.

In addition to the specific improvements described above, this project will also reconstruct curb ramps that are not ADA compliant and restripe crosswalks in the immediate project area.

Since this project is partly funded with federal funds, the federal Disadvantaged Business Enterprise (DBE) program applies. The DBE has transitioned to a race-conscious DBE program, which will apply to this project. Contract goals must now include all DBE groups whose members are certified as socially and economically disadvantaged. This project will have a contract goal of 5.1% DBE participation.

On October 11, 2016, five bids were received for the project. Ray's Electric of Oakland, California, submitted the low bid of \$598,625 which was 0.2% below the engineer's estimate of \$600,000. W. Bradley Electric, Inc. of Novato, California submitted the second low bid in the amount of \$620,368 which was 3.4% above the engineer's estimate. The five bids ranged from \$598,625 to \$755,177.

In anticipation of the bid exceeding the original budget, staff organized the bid items into two groups: 1) Base Bid consisting of traffic and pedestrian signal systems; and 2) Add Alternate Bid items consisting of concrete sidewalk, accessible ramps, pavement and striping work. By separating the bid items, two separate contracts can be awarded to different contractors. The low bid contractor, submitted a Base Bid in the amount of \$476,000 and an Add Alternate bid in the amount of \$122,625.

Given the limited funds available for this project, staff recommends that Council award only the Base Bid to the low bidder, Ray’s Electric, in the amount of \$476,000; and direct staff to install the Add Alternate bid items consisting of concrete, paving and striping work under a separate project contract where funds are available. The current FY16 Sidewalk Repair Project has available funds to complete the additional work. Staff further recommends that Council authorizes \$114,000 for contingencies, inspection services, testing and construction administration.

This project is categorically exempt from environmental review under section 15301 (c) of the California Environmental Quality Act guidelines for the operation, repair, maintenance, or minor alteration of existing facilities. Additionally, the Local Assistance Branch of Caltrans concurs that this project is categorically excluded from the National Environmental Policy Act.

**FISCAL IMPACT**

The estimated project costs are as follows:

Construction	\$476,000
Construction Contingencies	\$34,000
Design and Administration	\$40,000
Construction Engineering, Inspection and Testing	\$40,000
<b>Total</b>	<b>\$590,000</b>

The Adopted FY 2017 Capital Improvement Program includes \$474,000 for the project in the Transportation System Improvement Fund (Fund 460). Staff recommends that the additional funding come from Fund 460, which has available fund balance to cover the additional \$116,000 project cost. As discussed above, the improvements from add alternate bid items consisting of concrete sidewalks, curb ramps, paving and striping will be funded by the FY16 Sidewalk Repair Project.

**SUSTAINABILITY FEATURES**

Solid Waste: This project requires that all material generated during construction and demolition be sent to designated facilities for recycling. Recycled and reclaimed aggregate will be required in the aggregate base as well as the Portland cement concrete used for the concrete curb, gutter and sidewalk.

Transportation: Consistent with the City’s Complete Streets Policy, this project will provide improved pedestrian access across Mission Boulevard with pedestrian activated crosswalk signals at Blanche Street and help relieve congestion at the intersection of Gading Road and Huntwood Way with a new traffic signal system. This project will also provide ADA compliant curb ramps.

The improved pedestrian access and safety will promote pedestrian traffic thereby reducing vehicular traffic, greenhouse gas emissions and air pollution.

Energy: The proposed light fixtures for the pedestrian signal, traffic signal system and street lights will all be high efficiency LED, which uses minimal electrical energy.

## **PUBLIC CONTACT**

Improvements from this project will address frequent requests that have been received from the community at a number of City Council and public information meetings. Because of the temporary inconvenience that is expected from the improvement work after the construction contract is awarded, staff will post and distribute preliminary notices explaining the project to residents and businesses along the affected streets. After the construction work has been scheduled, a detailed notice indicating the date and time of work for each street will be distributed to all affected residents and businesses.

## **SCHEDULE**

Begin Work	December 19, 2016
Complete Work	March 10, 2017

*Prepared by:* Yaw Owusu, Assistant City Engineer

*Recommended by:* Morad Fakhrai, Director of Public Works

Approved by:



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Kelly McAdoo, City Manager