



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE: JUNE 6, 2017**

FROM: PUBLIC WORKS DEPARTMENT **WARDS: 1, 2, 3, 5, 6, AND 7**

SUBJECT: AWARD BID NO. 7467 FOR THE CONSTRUCTION OF LA SIERRA AVENUE AT VISTA TERRACE AND MISCELLANEOUS SIGNAL IMPROVEMENTS TO ASPLUNDH CONSTRUCTION CORP. IN THE AMOUNT OF \$174,920

ISSUE:

Award a construction contract for Bid No. 7467 for the construction of traffic signal improvements at different locations throughout the City (Project) to Asplundh Construction Corp., of Anaheim, California, in the amount of \$174,920.

RECOMMENDATIONS:

That the City Council:

1. Award a construction contract for Bid No. 7467 – La Sierra Ave at Vista Terrace and Miscellaneous Signal Improvements to Asplundh Construction Corp., of Anaheim, California, in the amount of \$174,920; and,
2. Authorize the City Manager, or his designee, to execute the construction contract with Asplundh Construction Corp., including making minor non-substantial changes.

BACKGROUND:

The Public Works Department, continually receives service requests from City residents to improve traffic progression and/or safety throughout the City. On September 8, 2016 the Transportation Committee approved a one-year pilot project to deploy flashing yellow left-turn indications to equip no more than seven traffic signals with flashing yellow left-turn indications to assess safety, vehicular delay, and motorist comprehension. To obtain cost savings, Public Works routinely packages several items of similar nature together for bidding and completion of the work. The improvements detailed in this report are a result of such requests and primarily consist of traffic signal work.

DISCUSSION:

This Project will construct various improvements at nine different geographic locations (Attachment 1) throughout the City:

1. La Sierra Avenue at Vista Terrace – Install flashing yellow left-turn improvements;
2. Magnolia Avenue at Overland Ave – Install flashing yellow left-turn improvements;
3. Central Avenue at Hillside Avenue – Rewire intersection;
4. Central Avenue at Streeter Avenue – Rewire intersection;
5. Chicago Avenue at Country Club Drive – Rewire intersection;
6. Van Buren Boulevard at Challen Avenue – Rewire intersection;
7. Sierra Vista Avenue at Pierce Street – Replace traffic signal cabinet foundation;
8. Lime Street at Sixth Street – Install rectangular rapid flashing beacon system; and
9. Eastbound SR-91 near the University Ave Exit Ramp – Install roadside sign guiding motorists onto Mission Inn Avenue

Research determined that the flashing yellow arrow display is best comprehended by motorists, improves safety and operations over traditional 5-section protected-permissive left-turn displays, provides flexibility to engineers as the flashing yellow arrow can be disabled during peak traffic hours, and can be easily adapted to existing traffic signals which have existing protected left-turn phasing. The National Cooperative Highway Research Program conclusions and recommendations have allowed many states and agencies to begin deploying the flashing yellow left-turn indications to implement protected-permissive left-turn displays. In Southern California, cities such as Pasadena, Fullerton, Montclair, Indio, La Habra, El Cajon, Encinitas, and others have already deployed this type of signal display.

The project will implement flashing yellow left-turn improvements at two of the seven intersections as one location requires new signal poles and the other requires the contractor to weld equipment to the signal mast arms. The Public Works Department will complete the flashing yellow left-turn improvements at the other five intersections.

The project will also rewire four signalized intersections that were recently damaged by the heavy rains. At the intersection of Sierra Vista Avenue at Pierce Street, the project will replace a traffic signal cabinet foundation that was severely damaged by a vehicular accident. The project will also install a Rectangular Rapid Flashing Beacon (RRFB) system at the uncontrolled crosswalk located at Lime Street at Sixth Street. The RRFB will improve safety and facilitate crossings. Finally, the project will install a two-post guide sign for eastbound SR-91 near the University Avenue Exit Ramp that directs motorists onto Mission Inn Avenue. The 91-HOV project had removed the Mission Inn Avenue guide sign and did not replace it with the revised configuration.

On April 28, 2017, 6 bids were received for the construction of the Project (Attachment 2). The lowest responsive bid was from Asplundh Construction Corp., in the amount of \$172,920, which is 11.5% over the Engineer's Estimate. The project includes rewiring four traffic signals and increased costs to copper cables contributed to the higher than anticipated cost estimate. Nonetheless, the Public Works Department supports the low bid as it is fair and reasonable and rebidding the project may not result in a lower bid.

The Purchasing Services Manager concurs with the award recommendation.

FISCAL IMPACT:

The estimated total Project cost including design, construction, construction engineering, and contingencies is \$202,000. Sufficient funds are available in Project Account numbers 9883227-440223 (Gas Tax – Misc Traffic Projects), 9881833-440313 (Protect/Permit Left Turns), and 9586133-440313 (Misc Signal Revisions) to award the contract and complete the Project.

Prepared by: Kris Martinez, Public Works Director
Certified as to
availability of funds: Scott G. Miller PhD, Chief Financial Officer/City Treasurer
Approved by: Al Zelinka, FAICP, Assistant City Manager
Approved as to form: Gary G. Geuss, City Attorney

Attachments:

1. Project Location Map
2. Bid Award Recommendation