



Legislation Details (With Text)

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Title: Accept bid and authorize execution of a construction contract with California Professional Engineering, Inc. in the amount of \$643,490 for the traffic signal modifications at the intersection of Main Street and Utica Avenue/17th Street, and the installation of a new traffic signal at the intersection of Bolsa Chica Street and Pearce Drive - CC-1488; and, appropriate Traffic Impact funds for construction and authorize change orders not to exceed 15 percent

Attachments: 1. Att#1 Project Map.pdf

Date	Ver.	Action By	Action	Result
5/20/2019	1	City Council/Public Financing Authority	approved	Pass
5/20/2019	1	City Council/Public Financing Authority	approved	Pass

REQUEST FOR CITY COUNCIL ACTION

SUBMITTED TO: Honorable Mayor and City Council Members

SUBMITTED BY: Lori Ann Farrell Harrison, Interim City Manager

PREPARED BY: Travis K. Hopkins, PE, Director of Public Works

Subject:

Accept bid and authorize execution of a construction contract with California Professional Engineering, Inc. in the amount of \$643,490 for the traffic signal modifications at the intersection of Main Street and Utica Avenue/17th Street, and the installation of a new traffic signal at the intersection of Bolsa Chica Street and Pearce Drive - CC-1488; and, appropriate Traffic Impact funds for construction and authorize change orders not to exceed 15 percent

Statement of Issue:

On November 8, 2018, bids were opened for the traffic signal modification at the intersection of Main Street at Utica Avenue/17th Street and the installation of a new traffic signal at the intersection of Bolsa Chica Street and Pearce Drive. City Council action is requested to award the contract to California Professional Engineering, Inc., the lowest responsive and responsible bidder.

Financial Impact:

The total estimated project cost is \$1,112,014. Grant funds expenditures to date total \$173,495 and matching fund expenditures to date total \$68,388. Funds in the amount of \$724,230 are available in HSIP Grant account 99590001.82700. Funds in the amount of \$20,162 are available in Gas Tax account 20790042.82600 for a portion of the City's match. For the remaining match staff is

requesting an appropriation of \$125,739 from the undesignated Traffic Impact Fee (TIF) fund balance to account 20690007.82700. The additional funds over the construction contract costs will be used for city-furnished equipment purchases and costs not reimbursable through the grant program.

Recommended Action:

A) Accept the lowest responsive and responsible bid submitted by California Professional Engineering, Inc. in the amount of \$643,490; and,

B) Appropriate \$125,739 from the undesignated Traffic Impact Fee fund balance to Traffic Impact Fee account 20690007.82700; and,

C) Authorize the Mayor and City Clerk to execute a construction contract in a form approved by the City Attorney; and,

D) Authorize the Director of Public Works to execute change orders not to exceed a total of 15 percent of the contract construction costs or \$96,524.

Alternative Action(s):

Reject all bids and provide staff with alternative direction.

Analysis:

The City applied for grant funding for a traffic signal modification and the installation of a new traffic signal under the federal Highway Safety Improvement Program (HSIP). The intersection of Main Street at Utica Avenue/17th Street was identified for the installation of left turn arrows based on the recent collision history. The intersection of Bolsa Chica Street and Pearce Drive was identified for the installation of a new traffic signal based upon collision history. The grant application was approved and engineering and construction funds were subsequently approved.

The project was included in the FY 2018/19 Capital Improvement Program as a continuing project. Due to construction cost increases and the significant increase in material costs, especially steel products, the originally budgeted funds are not adequate to complete construction. The federal funding commitment increased by \$245,825 to a total of \$897,725, and additional local funding is needed to fully fund the construction.

At the intersection of Main Street and Utica Avenue/17th Street, left turn arrows will be installed in the north-south direction, all traffic signal equipment will be replaced and significant modifications to medians, curb ramps and sidewalks will be included for improved pedestrian and disabled access around this complex intersection. At the intersection of Bolsa Chica Street and Pearce Drive, a new traffic signal will be installed featuring left turn arrows in the north-south direction.

A complete set of plans and specifications are available for review at the Public Works counter during normal business hours.

Bids were opened on November 8, 2018, and are listed in ascending order:

	Bidder	Submitted Bid
1	California Professional Engineering, Inc.	\$643,490.00

2	Alfaro Communications Construction, Inc.	\$664,864.00
3	Elecnor Belco Electric , Inc.	\$687,196.00
4	Sturgeon Electric California, LLC	\$700,924.00
5	Calpromax Engineering, Inc.	\$746,676.00
6	Select Electric, Inc.	\$771,912.00
7	STL Landscape, Inc.	\$775,000.00
8	International Line Builders, Inc.	\$794,892.00
9	DBX, Inc.	\$808,791.00
10	Dynaletric, Inc.	\$814,254.00
11	Comet Electric	\$900,217.00

The total estimated cost of this project is \$1,112,014 which includes the City's direct purchase of all major equipment which is estimated at approximately \$300,000, with \$173,495 of grant funds and \$68,388 of matching funds encumbered or spent to date. This practice ensures consistency of equipment among the traffic signals and street lighting maintained by the City. Direct purchase also provides the added benefit of reduced costs to the City due to elimination of contractor mark-ups, typically in excess of 20 percent on this type of equipment.

Estimated Construction Costs

Bid	\$643,490
15% construction contingency	\$96,524
City furnished equipment	\$300,000
Construction administration/material testing	<u>\$72,000</u>
Total	\$1,112,014

Federal grant funds totaling approximately \$897,725 are anticipated to be received with a total of \$214,289 of City Gas Tax and TIF funds required to provide the grant matching funds and to fund the items ineligible for federal reimbursement. These ineligible items include some of the construction administration tasks such as material testing and monitoring for labor compliance.

Funding Summary

Grant funds available	\$724,230
Grant funds encumbered or spent to date	\$173,495
Matching funds expended to date	\$68,388
Match available	\$20,162
Match appropriation required	<u>\$125,739</u>
Total estimated project cost	\$1,112,014

Staff is requesting that the Director of Public Works be given authorization to approve change orders on this project up to 15 percent of the construction cost rather than the standard 10 percent. The request equates approximately to the typical 10 percent contingency based on the total of the construction contract and the materials purchased by the City. This authorization will provide the added flexibility needed to complete a typical construction project yet still be consistent with the intent

of the 10 percent limit.

Public Works Commission Action: The Public Works commission recommended this project on May 16, 2018, by a vote of 4-0-3 (Carr, Mulvihill and Stanford absent).

Environmental Status:

This project is categorically exempt pursuant to the California Environmental Quality Act, Section 15303 (c).

Strategic Plan Goal:

Enhance and maintain infrastructure

Attachment(s):

1. Project Location Map