

# Agenda Report

May 16, 2016

**TO:** Honorable Mayor and City Council

**FROM:** Department of Public Works

**SUBJECT: CONTRACT AWARD TO CROSTOWN ELECTRICAL & DATA, INC. FOR INSTALLATION OF BICYCLE DETECTION SYSTEMS AT VARIOUS INTERSECTIONS, FEDERAL AID PROJECT CML-5064(079) FOR AN AMOUNT NOT TO EXCEED \$1,700,000**

**RECOMMENDATION:**

It is recommended that the City Council:

1. Find the project proposed herein to be exempt under the California Environmental Quality Act (CEQA) Guidelines in accordance with Title 14, Chapter 3, Article 19, Class 1, Section 15301, minor alterations of existing public facilities involving negligible or no expansion of use beyond that previously existing at the time of the lead agency's determination, and find that there are no changes to the project, changed circumstances or new information that would warrant further environmental review; and
2. Accept the bid dated April 27, 2016, submitted by Crosstown Electrical & Data, Inc. in response to the Project Specifications for Installation of Bicycle Detection Systems at Various Intersections; reject all other bids received; and authorize the Interim City Manager to enter into a contract not to exceed \$1,700,000, which includes the base contract amount of \$1,587,983 and a contingency of \$112,017 to provide for any necessary change orders.

**BACKGROUND:**

This project consists of the installation of bicycle detections at signal controlled intersections on Washington Boulevard from Lincoln Avenue to Allen Avenue, Hill Avenue from California Boulevard to the North City Limit, Mountain Street from Lincoln Avenue to Altadena Drive, and Altadena Drive from Foothill Boulevard to the North City Limit.

The work includes the furnishing and installation of traffic signal equipment, video and loop detection, conduit, conductors, pull boxes, traffic signal controllers and cabinets; construction of curb ramps, sidewalk and curbs; sandblasting; striping; signage; and miscellaneous appurtenant work.

The bicycle detection systems will tie into the Traffic Management Center to allow for the identification of traffic congestion and enhanced traffic operations support for the bikeway corridors. A significant portion of the City's traffic signal locations operate on a fixed cycle timer regardless of actual traffic demand. This causes unnecessary delays to motorists and bicyclists. The installation of bicycle detection systems at these locations would provide adaptability to better handle varying demands.

A finding of compliance with the General Plan was previously made and is shown on page 5.1 of the FY 2016-2020 Capital Improvement Program, Detection of Bicycles at Intersections Controlled by Traffic Signals.

The Department of Public Works prepared plans and specifications for this project. In accordance with Section 4.08.070 of the Pasadena Municipal Code, bids were requested and received. The project advertised in the *Pasadena Journal* on March 31, 2016. In addition, the Notice Inviting Bids was published in two trade publications and listed on the City's website, which generated notices to 67 local vendors. Fourteen vendors obtained bid packets, four of whom submitted bids for the project.

Following advertising, bids were received on April 27, 2016, and are as follows:

Bidder	Amount (\$)
1. Crosstown Electrical & Data, Inc., Irwindale	1,587,983
2. Elecnor Belco Electric, Inc., Chino	1,628,400
3. California Professional Engineering, Inc., La Puente	1,677,812
4. DBX, Inc., Temecula	2,098,394
Engineer's Estimate	1,409,000

The lowest bid received was 13 percent higher than the Engineer's Estimate of \$1,409,000. The higher bids are attributed to escalating electrical labor costs as well as higher material costs associated with bicycle detection technology.

It is recommended that Crosstown Electrical & Data, Inc. be awarded a contract for this project as they are the lowest responsive and responsible bidder. The proposed contract with Crosstown Electrical & Data, Inc. fully complies with the Competitive Bidding and Living Wage Ordinances. In addition, the proposed contract fully complies with the Prevailing Wage Law (Senate Bill 7) per Resolution 9406 adopted by the City Council on December 14, 2014. The contractor has indicated that the award of this contract will result in no new hires to the present workforce.

Crosstown Electrical & Data, Inc. was awarded the Installation of Dynamic Message Signs and Gateway Signs at Various Locations project on March 14, 2016 for \$852,000. Crosstown Electrical & Data, Inc. currently has one open purchase order with the City for maintenance services for Intelligent Transportation (ITS) devices including fiber optic cable and communications equipment, CCTV cameras and video detection equipment for a total of \$114,578. Crosstown Electrical & Data, Inc. has completed other purchase orders totaling approximately \$49,000 on various City projects since 2010.

The contract for this project will be set as follows:

Base Bid	\$1,587,983
Contingency Allowance	\$ 112,017
Contract "Not to Exceed" Amount	\$1,700,000

It is anticipated that construction will begin in July 2016 and be completed in February 2017. These proposed dates include the material lead time required for manufacturing and delivery of items.

**COUNCIL POLICY CONSIDERATION:**

This project is consistent with the City Council's goals to improve, maintain and enhance public facilities and infrastructure, and to ensure public safety. It also supports the Mobility Element of the General Plan by designing streets to achieve safe interaction for all modes of travel, particularly for pedestrian and bicycle users.

**ENVIRONMENTAL ANALYSIS:**

The project is categorically exempt under CEQA Guidelines in accordance with Title 14, Chapter 3, Article 19, Class 1, Section 15301, minor alterations of existing public facilities involving negligible or no expansion of use beyond that previously existing at the time of the lead agency's determination. There are no changes to the project, changed circumstances or new information that would warrant further environmental review.

**FISCAL IMPACT:**

The cost of this contract is \$1,700,000 and the total cost of this action will be \$1,849,000. Staff has recommended an additional \$75,000 of Traffic Impact Fee (Fund 313) be appropriated to this project on the Operating Budget's June 20, 2016 Clean Up Agenda Report to cover the contract and administration costs. With this additional appropriation, funding for this action will be addressed by the utilization of budgeted appropriations in the CIP project Detection of Bicycles at Intersections Controlled by Traffic Signals (budget account 75043). It is anticipated that all of the cost will be spent in FY 2016 and FY 2017.

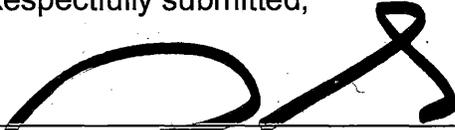
The following table represents a summary of the sources of funds that will be used.

Detection of Bicycles at Intersections Controlled by Traffic Signals (budget account 75043)	\$1,849,000
<b>Total Sources</b>	<b>\$1,849,000</b>

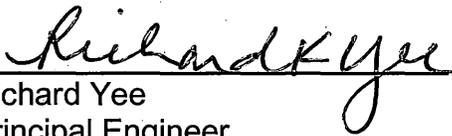
The following table represents a project summary.

Base Bid	\$1,587,983
Contingency	\$ 112,017
Contract Administration	\$ 149,000
<b>Total Fiscal Impact</b>	<b>\$1,849,000</b>

Respectfully submitted,

  
ARA MALOYAN  
Director of Public Works

Prepared by:

  
Richard Yee  
Principal Engineer

Concurred by:

  
FREDERICK C. DOCK  
Director of Transportation

Approved by:

  
STEVE MERMELL  
Interim City Manager