



STAFF REPORT

DATE: 11/20/2024
TO: Honorable Mayor and City Council Members
FROM: Public Works Department

2024-136

REQUEST FOR CITY COUNCIL ACTION

SUBJECT:

CONSTRUCTION CONTRACT WITH CROSTOWN ELECTRICAL & DATA, INC. IN THE AMOUNT OF \$7,867,898 FOR THE CITYWIDE TRAFFIC SIGNAL OPTIMIZATION, CAPITAL IMPROVEMENT PROJECT NO. ST-2022-03, NOTICE INVITING BIDS NIB 25-016CA

EXECUTIVE SUMMARY:

This staff report asks the City Council to approve the Construction Contract with Crosstown Electrical & Data, Inc., for the Citywide Traffic Signal Optimization, Capital Improvement Project No. ST-2022-03. This project will install hybrid video/radar vehicle detection systems, advanced traffic signal controllers, updated networking hardware, and deploy traffic systems capable of adapting to changes in traffic conditions.

RECOMMENDED ACTION:

That the City Council:

- a. Approve the Construction Contract with Crosstown Electrical & Data, Inc., for the Citywide Traffic Signal Optimization, Capital Improvement Project No. ST-2022-03 in the amount of \$7,867,898.
- b. Adopt the Plans and Specifications for the Citywide Traffic Signal Optimization, Capital Improvement Project No. ST-2022-03, Notice Inviting Bids 25-016CA.

- c. Award Notice Inviting Bids 25-016CA to Crosstown Electrical & Data, Inc., the lowest responsive, responsible bidder, for the total bid amount of \$7,867,898, and waive all minor irregularities in the bidding document as submitted by said bidder.
- d. Authorize the City Manager, or his designee, to execute the Construction Contract with Crosstown Electrical & Data, Inc., in the amount of \$7,867,898, including any non-substantive extensions, change orders, purchase orders, and amendments up to 10% or \$786,789.
- e. Authorize an appropriation in the amount of \$1,573,580 from General Fund 110 to the Citywide Traffic Signal Optimization, Capital Improvement Project No. ST-2022-03.

BACKGROUND & HISTORY:

In February of 2021, the City of Corona adopted its 2021-2026 Strategic Plan. The objectives and strategies of Goal 3: Sound Infrastructure, of City’s Strategic Plan is to reduce negative impacts of traffic by reducing traffic congestion and optimize traffic flows. This would be accomplished by modernizing traffic cameras and exploring utilization of Artificial Intelligence with traffic cameras to optimize traffic flows and improve responsiveness of traffic lights.

The city’s traffic signal infrastructure had been state-of-the-art when deployed in the early 2000’s but needed updating for some time to function optimally. At the Fall Policy Workshop on September 29, 2021, the Corona City Council provided directions to staff to move forward with the design and implement a Citywide traffic signal optimization project. The project would utilize Artificial Intelligence to improve traffic signal operations and focus on the City’s main arterial roadway systems. At the August 16, 2023, City Council meeting, Advantec Consulting Engineers was awarded a contract to prepare all the necessary plans, specifications, and estimates for this purpose.

ANALYSIS:

The plans and specifications have been prepared by Advantec Consulting Engineers and have been reviewed and approved by staff. The Project was subsequently advertised for bids on September 13, 2024, in the Sentinel Weekly, pursuant to Public Contract Code requirements, Corona Municipal Code section [3.08.090](#), Public projects - formal bidding procedure, and the City’s purchasing policy through the City’s PlanetBids bidding portal. Three hundred five (305) prospective bidders were notified of the project, and on October 15, 2024, seven (7) bids were received through the PlanetBids bidding service.

No.	Contractor	Location	Bid Total
1	Crosstown Electrical & Data, Inc.	Irwindale, CA	\$7,867,898.00
2	Econolite Systems, Inc.	Anaheim, CA	\$7,996,519.96
3	Bear Electrical Solutions, LLC	Alviso, CA	\$8,222,129.00
4	Elecnor Belco Electric, Inc.	Chino, CA	\$8,602,888.00
5	Yunex LLC	Riverside, CA	\$9,068,050.00

6	Select Electric, Inc.	Anaheim, CA	\$9,540,536.00
7	PTM General Engineering SVCS	Riverside, CA	\$12,553,045.00

Staff has reviewed all bids and recommends awarding the contract to Crosstown Electrical & Data, Inc. as the lowest responsive, responsible bidder based on the Bid Schedule for a total contract amount of \$7,867,898. All licenses and references for Crosstown Electrical & Data, Inc. have been confirmed and verified, and all other documentation is in order.

FINANCIAL IMPACT:

American Rescue Plan Act (ARPA) funds have been appropriated for use on this project. A budgetary transfer of ARPA funds was approved at the November 6, 2024, City Council meeting, to provide sufficient funding for the construction contract for the Traffic Signal Optimization Project, Capital Improvement Project No. ST-2022-03. The current available balance is \$7,867,898 in American Rescue Plan Act Fund 413.

Additional funding is needed to complete the project. ARPA requirements state that all funds must be encumbered or under contract prior to December 31, 2024, or they must be returned. Other construction costs consisting of contingencies, project inspection and staff time that cannot be encumbered or be placed under contract before the deadline will be covered by additional funds from the General Fund.

The estimated construction costs are outlined as follows:

Construction.....		
....	\$7,867,898	
Contingency		(10%)
		\$786,789
Inspection and staff time		(10%)
		\$786,789
Total Project Cost.....		
	\$9,441,476	

Staff recommends additional appropriation as follows:

Funding Source	Amount
American Rescue Plan Act Fund (413) - approved budget	\$ 7,867,898
General Fund (110) - additional appropriation	\$ 1,573,578
Total	\$ 9,441,476

ENVIRONMENTAL ANALYSIS:

The Citywide Traffic Signal Optimization Project action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Act (CEQA), which states that the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the CEQA determination and is therefore exempt from CEQA. Therefore, no environmental analysis is required and staff has filed a Notice of Exemption with the County of Riverside.

PREPARED BY: AARON M. COX, SENIOR ENGINEER - TRAFFIC

REVIEWED BY: SAVAT KHAMPHOU, PUBLIC WORKS DIRECTOR

ATTACHMENTS:

- 1. Exhibit 1 – Location Map
- 2. Exhibit 2 – Construction Contract