



CITY OF COMMERCE AGENDA REPORT

TO: Honorable City Council

FROM: City Manager

SUBJECT: Award Construction Contract to Elecnor Belco Electric, Inc. for the Various Signalized Intersections Improvement Project, HSIP Cycle 10, 07-LA-0-HSIPSL-5362(028)

MEETING DATE: September 26, 2023

RECOMMENDATION

The City Council will consider adopting a Resolution approving Plans and Specifications, awarding a Construction Contract to Elecnor Belco Electric, Inc. for the Various Signalized Intersections Improvement Project, HSIP Cycle 10, 07-LA-0-HSIPSL-5362(028), and authorizing Construction Management and Inspection Services by Transtech Engineers, Inc. pursuant to their On-Call Professional Consulting Services Agreements.

BACKGROUND

Caltrans announced the Cycle 10 Call for Projects for the Highway Safety Improvement Program (HSIP) on May 5, 2020. This Call for Projects funded 266 projects, totaling \$227.6 million in State HSIP funds. For Cycle 10, the maximum reimbursement amount for any single project is \$10 Million, with a minimum of \$100,000. The maximum an agency can receive is \$10 Million. The maximum reimbursement ratio is one hundred percent (100%) if all countermeasures of the project are eligible.

The purpose of the Highway Safety Improvement Program (HSIP) is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non-State-owned public roads and roads on tribal land. It is the intent of the HSIP program that federal funds be expended on safety projects that can be designed and constructed expeditiously.

Staff conducted a Citywide analysis and ranked intersections based on accident severity and a history of high accidents within the most recent 5-year data period. The scoring and ranking of the grant are based on the benefit cost (BC) ratio. The BC ratio is directly correlated to the number and severity of collisions based on the proposed safety

countermeasure crash reduction factor (CRF) and the cost associated with it. The higher the BC ratio the higher the application scores.

The project focused on installation of the below listed three countermeasure (CM) improvements per the HSIP CM list as follows, the “S” indicates a CM for signalized intersections:

- CM #1: S02 - Signal Modification: Improve signal hardware: lenses, back-plates with retroreflective borders, mounting, size, and number (All Accidents), 100% HSIP Funding Eligibility
- CM #2: S07 - Signal Modification: Provide protected left turn phase (left turn lane already exists) (All accidents), 100% HSIP Funding Eligibility
- CM #3: S17PB - Ped & Bike: Install pedestrian countdown signal heads (Ped & Bike Accidents), 100% HSIP Funding Eligibility

The project covers 4 locations in the City of Commerce which receives one or all of the CM improvements:

1. Eastern Avenue & Telegraph Road
2. Slauson Avenue & Eastern Avenue
3. Garfield Avenue & Flotilla Street
4. Washington Blvd & Garfield Avenue

Staff submitted a grant application for the project on November 2, 2020. On March 30, 2021, staff received approval for \$1,200,000 in grant funds as part of the program. Following the Notice of Funding, staff requested allocation of funds from the State of California, the City executed a supplemental agreement. Subsequently, a Request for Proposals (RFP) was released for design services and awarded. Following completion of design, staff requested and obtained State authorization to bid out the approved design.

ANALYSIS

On June 7, 2023, staff advertised the bid package for the Various Signalized Intersections Improvement Project, HSIP Cycle 10. The following three (3) bids were received by the City at the Bid Opening held on July 6, 2023. A copy of the bid tabulation is attached:

BID RANKING	BIDDER	BASE BID SCHEDULE	ADDITIVE BID SCHEDULE	TOTAL BASE BID + ADDITIVE BID
Low Bidder	Elecnor Belco Electric, Inc.	\$1,532,906.00	\$213,000.00	\$1,745,906.00
Second Low Bid	Alfaro Communications Construction, Inc.	\$1,565,435.00	\$219,000.00	\$1,784,435.00
Third Low Bid	Crosstown Electrical & Data, Inc.	\$1,753,968.00	\$201,000.00	\$1,954,968.00

As required by the California Public Contract Code, staff specified in the Bid Specifications that the award of contract will be to the lowest responsive and responsible bidder based on the total base schedule amount and City may add bid items from Additive Bid Schedule as determined solely by the City. As shown in the above bid tabulation, Elecnor Belco Electric, Inc. submitted the lowest base bid. Staff conducted a bid analysis for Elecnor Belco Electric, Inc., and verified their California contractor's licensing, Department of Industrial Relations (DIR) registration, state and federal debarment files, and references. Based on

the bid analysis, Elecnor Belco Electric, Inc. was found to be the lowest responsive and responsible bidder. The bid analysis completed by staff is attached for reference.

The bid schedule in addition to base bid schedule includes Additive Bid Schedule which includes the installation of video detection camera systems at the intersections of: Eastern Avenue & Telegraph Road, Slauson Avenue & Eastern Avenue, Garfield Avenue & Flotilla Street, and Washington Blvd & Garfield Avenue. Since Los Angeles County, as part of their Slauson Traffic Signal Synchronization Program (TSSP) Project, will be completing the installation of the video detection system at the intersection of Slauson Avenue & Eastern Avenue, all but this additive bid item will be included as part of the Project.

Upon receipt of high bids staff reached out to Caltrans and requested additional funding to cover the project cost shortfall. Caltrans after detailed review agreed to supplement the grant with additional \$855,496 which brought the total HSIP grant to \$1,997,496.00.

Staff recommends that City Council adopt the attached Resolution which in summary does the following:

1. Approves Plans and Specifications for the Various Signalized Intersections Improvement Project, HSIP Cycle 10, 07-LA-0-HSIPSL-5362(028).
2. Awards a Construction Contract to Elecnor Belco Electric, Inc. as the lowest responsive and responsible bidder for the Various Signalized Intersections Improvement Project, HSIP Cycle 10, 07-LA-0-HSIPSL-5362(028) in the amount of \$1,689,906.00 for the total Base Bid Schedule Amount plus the Additive Bid Schedule Items A1, A2, and A3 amounts for the installation of video detection Camera systems at the intersections of Eastern Avenue & Telegraph Road, Garfield Avenue & Flotilla Street, and Washington Blvd & Garfield Avenue.
3. Authorizes up to 15% of the construction contract for construction contingency for unforeseen conditions.
4. Authorizes up to 10% of the total construction contract and contingencies for Construction Management and Inspection Services.
5. Authorizes Transtech Engineers, Inc. to proceed with Construction Management and Inspection Services pursuant to their existing on-call agreement for consultant services.
6. Allocates \$855,496 in reimbursable Measure AA Funds Account #41-5180-57010.12007 to advance additional State Funds which was recently granted to the City to cover a significant portion of the total project construction funding shortfall.

Following is a summary of the project cost:

Bid Amount to be Awarded	\$1,689,906.00
Construction Contingencies (15%)	\$253,485.90
Subtotal	\$1,943,391.90

Construction Management, Inspection (10%)	\$194,339.19
Total Project Cost	\$2,137,731.09
Initial HSIP State Funds Awarded for Construction	\$1,142,000.00
Additional HSIP State Funds State Awarded for Construction	\$855,496.00
TOTAL HSIP STATE FUNDS AWARDED FOR CONSTRUCTION	\$1,997,496.00
Construction Cost Shortfall to be Covered by Engineering Support Services Measure AA Funds	\$140,235.09

FISCAL IMPACT

The total estimated cost of this project including construction contract, contingencies, construction management, and inspection services is \$2,137,731.09 of which \$1,997,496.00 will be covered by HSIP Cycle 10 State funds, \$1,142,000.00 has been budgeted in Measure AA Funds Account #41-5180-57010.12007. Staff was able to secure an additional \$855,496 in State Funds in order to cover a portion of the construction cost shortfall of which needs to be allocated to Measure AA Fund Account #41-5180-57010.12007. The remaining \$140,235.09 Construction Cost shortfall will be covered from the Engineering Support Services Measure AA Funds Account #41-4120-52001.14701.

Available Project Budget from Measure AA Account #41-5180-57010.12007	\$1,142,000.00
Additional Funds to be Allocated to Measure AA Account #41-5180-57010.12007	\$855,496.00
Engineering Support Services Measure AA Account #41-4120-52001.14701	\$140,235.09
Total Project Cost	\$2,137,731.09

ALTERNATIVES:

1. Approve recommendation
2. Reject recommendation
3. Provide staff with further direction

RELATIONSHIP TO STRATEGIC GOALS:

This agenda item relates to the 2016 Strategic Plan, Infrastructure and Facilities:

Guiding Principle 4: Develop and invest in infrastructure and beautification projects that support economic growth

Recommended by: Gina Nila, Department of Public Works

Reviewed by: Vilko Domic, Assistant City Manager

Approved as to form by: Noel Tapia, City Attorney

Respectfully submitted: Edgar P. Cisneros, City Manager

ATTACHMENTS:

1. Resolution
2. Bid Analysis
3. Construction Contract- Elecnor Belco Electric, Inc.