

CITY OF SANTA ROSA  
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL  
FROM: GRANT BAILEY, ASSOCIATE CIVIL ENGINEER  
TRANSPORTATION AND PUBLIC WORKS  
SUBJECT: CONTRACT AWARD – FLASHING YELLOW LEFT TURN  
ARROW RETROFIT

AGENDA ACTION: MOTION

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RECOMMENDATION

It is recommended by the Transportation and Public Works Department that the Council, by motion, award Contract No. C02091, Flashing Yellow Left Turn Arrow Retrofit, in the amount of \$456,998.00 to the lowest responsible bidder, DC Electric Group, Inc. of Cotati, California, approve a 20% contract contingency, and authorize a total contract amount of \$548,397.60. The source of the funds is the Highway Safety Improvement Program (HSIP) Cycle 8 Federal Grant. No General Fund money is included in this project.

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EXECUTIVE SUMMARY

This motion will award a contract to DC Electric Group, Inc., of Cotati, California, approve a 20% contract contingency and authorize a total contract amount of \$548,397.60 to retrofit and upgrade thirty-nine (39) protected/permissive signalized intersections with Flashing Yellow Left Turn Arrow displays to meet current standards.

BACKGROUND

This project will retrofit and upgrade thirty-nine (39) protected/permissive signalized intersections with flashing yellow left turn arrow (FYA) displays to meet current California Manual on Uniform Traffic Control Devices (CAMUTCD) standards. Flashing yellow left turn arrow signals reduce congestion, confusion and crashes at busy intersections and have been adopted by the Federal Highway Administration as the standard for replacement of the protected/permissive signal.

In 2013, Transportation and Public Works (TPW) piloted a flashing yellow left turn arrow signal at the intersection of North Dutton Avenue and West Ninth Street. In 2016, staff evaluated the intersection for collisions and found that, after installation of the FYA signal, there was a 50 percent reduction in left hand turn related collisions. The City has

since installed 5 additional FYA signals throughout the City with similar success. This contract will continue the effort to implement the FYA signal program City-wide. This project is grant-funded by the Highway Safety Improvement Program (HSIP) Cycle 8, a core federal grant program that provides funding to enhance safety on local streets and roads. California's local HSIP focuses on infrastructure projects with nationally recognized crash reduction factors. Projects must be identified on the basis of crash experience, crash potential, crash rate, or other data-supported means.

Project design and construction costs are 100% reimbursable by HSIP grant funding up to \$994,000. The low bid received was 31.91% under the engineer's estimate which would typically allow staff to increase project scope however, due to grant funding requirements, project scope alterations are not allowed after environmental clearance has been granted. There are two other possible intersections where the FYA signal retrofits could take place, but this can be accomplished by City forces at a later date.

#### PRIOR CITY COUNCIL REVIEW

On April 19, 2016, City Council received a staff briefing from Rob Sprinkle, Deputy Director of Traffic Engineering, on the operations of the flashing yellow arrow signal pilot test currently installed at the intersection of North Dutton Avenue and West Ninth Street.

On August 2, 2016, City Council, by motion, authorized the Director of Transportation and Public Works to submit a grant application to the State of California for the Highway Safety Improvement Program Cycle 8 in the amount of \$994,400 to install flashing yellow turn arrow signals throughout the city.

#### ANALYSIS

1. The project was advertised on June 27, 2019, and bids were received on July 18, 2019. A total of two (2) bids were received, ranging from \$456,998.00 to \$655,686.00. The low bid was 31.91% under the Engineer's estimate.
2. The low bidder, DC Electric Group, Inc., possesses a valid contractor's license of the required class, according to the Contractor's State License Board, and is registered with the State Department of Industrial Relations (DIR).
3. The contract agreement has been reviewed and approved by the City Attorney.
4. Construction is anticipated to begin approximately January 2020. Contract duration is 80 working days.
5. Staff has prepared a Public Participation Plan that has been approved by the Transportation and Public Works Marketing and Outreach Coordinator.
6. Project specifications and bid details can be found at: <http://www.srcity.org/bids>.

### FISCAL IMPACT

Funding for this project has been appropriated to Account No.17572. The source of funds is Highway Safety Improvement Program (HSIP) Cycle 8 grant funds. Approval of this action does not have a fiscal impact on the General Fund.

### ENVIRONMENTAL IMPACT

This project is Categorically Exempt pursuant to CEQA Guideline Section 15301 *Class 1* since the project consists of a minor alteration of existing public facilities involving negligible or no expansion of existing use.

### BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

In 2015, the flashing yellow left turn arrow program and Highway Safety Improvement Program Cycle 8 grant were presented to the Bicycle and Pedestrian Advisory Board as an information item at its regular bimonthly meetings.

### NOTIFICATION

Not applicable

### ATTACHMENTS

- Attachment 1 – Location Map
- Attachment 2 – Summary of Bids
- Attachment 3 – Caltrans NEPA Notice of Determination
- Attachment 4 – Caltrans NEPA Re-validation Form

### CONTACT

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