

CITY OF SANTA ROSA
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL
FROM: GRANT BAILEY, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
SUBJECT: CONTRACT AWARD – BATTERY BACKUP RETROFIT AT
VARIOUS TRAFFIC SIGNALS

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department that the Council, by motion, award Contract No. C02235, Battery Backup Retrofit at Various Traffic Signals, in the amount of \$1,267,475.00 to the lowest responsible bidder, DC Electric Group, Inc. of Cotati, California, approve a 5% contract contingency, and authorize a total contract amount of \$1,330,848.75.

EXECUTIVE SUMMARY

This motion will award a contract to DC Electric Group, Inc., of Cotati, California, approve a 5% contract contingency and authorize a total contract amount of \$1,330,848.75 to retrofit one hundred seventy (170) existing traffic signal systems with battery backup systems.

BACKGROUND

This project will retrofit one hundred seventy (170) existing traffic signal systems with battery backup systems (BBS) to supply uninterrupted power to traffic signals in the event of a power outage. During an emergency with power loss, BBS will also help facilitate the evacuation process by maintaining power to City traffic signals, ensuring efficient traffic movement out of evacuation zones. This project is funded by the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP), which requires BBS installed as part of this project provide a minimum signal run time of four (4) hours after power loss. Although the minimum run time is four (4) hours, contract documents specify a system that will provide approximately eight (8) hours of backup power which will offer staff more flexibility when responding to power outages or emergency events.

PRIOR CITY COUNCIL REVIEW

On November 17, 2020, Council, by resolution, 1) approved a standardization for battery backup systems manufactured by Alpha Technologies Limited, of Burnaby, British Columbia, Canada, Clary Corporation, of Monrovia, California, or ZincFive Inc., of Tualatin, Oregon, for all new traffic signal system installations as well as the retrofitting of 175 of the city's 214 current traffic signals; 2) authorized the City Manager or his designee to negotiate for and purchase such standardized battery backup systems in an amount not to exceed \$1,418,850 through a period ending December 2021; and 3) authorized the Purchasing Agent to issue purchase orders for the purchase of battery backup systems in conformance with the resolution.

ANALYSIS

1. The project was advertised on December 7, 2020, and bids were received on January 12, 2021. A total of eight (8) bids were received, ranging from \$1,267,475.00 to \$2,276,200.00. The low bid was 17% over the Engineer's estimate.
2. The low bidder, DC Electric Group, Inc., possesses a valid contractor's license of the required class, as verified by 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 May 2021. The length of the contract is sixty (60) working days.
5. For a complete list of signalized intersections that will be retrofitted with BBS, see appendix C, D and E of the contract documents on the project webpage at: <http://cippublic.srcity.org/ProjPages/2235.html>
6. The required Public Participation Plan has been prepared and approved by the Transportation and Public Works Marketing and Outreach Coordinator.

FISCAL IMPACT

Funding for this project has been appropriated to Account No.17601. This project is funded through the Capital Improvement Fund. Sufficient funds were established in the 2020/2021 Capital Improvement Program budget.

ENVIRONMENTAL IMPACT

This project is categorically exempt pursuant to CEQA Guideline Section 15301 as the project is a minor alteration to an existing facility, resulting in no expansion of existing

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use.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

NOTIFICATION

Not applicable.

ATTACHMENTS

- Attachment 1 – Location Map
- Attachment 2 – Summary of Bids

CONTACT

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