Agenda Item #13.1
For Council Meeting of: September 4, 2018

CITY OF SANTA ROSA
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL
FROM: STEPHEN DITTMER, SUPERVISING ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
GRANT BAILEY, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
SUBJECT: APPROVAL OF DESIGN-BUILD PROCUREMENT FOR COURTHOUSE SQUARE BOLLARDS

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department that the Council, by motion, pursuant to Section 3-60.130 of the Santa Rosa City Code, approve the use of a design-build procurement for construction of crash-rated bollards at Courthouse Square as in the best interests of the City.

EXECUTIVE SUMMARY

Design-build is a method of project delivery in which the owner executes a single contract with one entity to provide architectural/engineering services and construction services. Portions of the design and construction phases are overlapped leading to significant time savings. By utilizing this process, the schedule to upgrade the bollards in Courthouse Square can be accelerated. Per Section 3-60.130 of the Santa Rosa City Code, the use of design-build procurement for major contracts requires City Council approval.

BACKGROUND

1. Over the past few years the number of major injury incidents involving public gathering spaces are both errant and purposefully driven vehicles traveling at high speed has increased.

2. Due to the orientation of the reunified Old Courthouse Square and Santa Rosa Ave to the south and Mendocino Ave to the north, the potential for high speed vehicle incidents are a great concern for public safety.

3. This project will install crash-rated bollards in Courthouse Square. Though the existing bollards provide a visual deterrent, they are inadequate to stop an errant vehicle approaching Courthouse Square from the north or south.
4. Design-build is a method of project delivery in which the owner executes a single contract with one entity to provide both architectural/engineering and construction services. By contrast, with the traditional design-bid-build approach, the owner commissions an architect or engineer to prepare drawings and specifications under a design contract, and, subsequently, selects a construction contractor by competitive bidding or negotiation.

PRIOR CITY COUNCIL REVIEW

None.

ANALYSIS

1. Crash-rated bollards are typically proprietary systems that are designed by the company that makes them. The manufacturers must have their systems tested and certified by ASTM International, a standards organization that develops and publishes technical standards for a wide range of materials, products, systems and services. Because design is specific to each manufacturer's proprietary system and the constraints of the project location, a design-build process would be better suited for replacement of the bollards in Courthouse Square than the typical design-bid-build process.

2. With design-build, portions of the design and construction phases are overlapped leading to significant time savings. Improved coordination between the designer and builder lead to better constructability and improved efficiency. Critical materials with long lead times can be ordered earlier in the process. As a result of these efficiencies, the timeline to replace the bollards in Courthouse Square will be accelerated.

3. Bollards will be upgraded at two locations: the intersection of 4th Street and Mendocino Avenue and the intersection of 3rd Street and Santa Rosa Avenue. Both locations will require approximately 75 linear feet of bollards, spaced 4.5 feet apart.

FISCAL IMPACT

Sufficient funds have been allocated to the Capital Improvement Budget for this project.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) because it is a minor alteration of an existing public facility.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

NOTIFICATION

Not applicable.

ATTACHMENTS

None.

CONTACT

Grant Bailey, Associate Civil Engineer
gbailey@srcity.org, (707) 543-4508