



CITY OF COSTA MESA

77 Fair Drive
Costa Mesa, CA 92626

Agenda Report

File #: 24-395

Meeting Date: 11/19/2024

TITLE:

SIGNAL MODERNIZATION FOR SYSTEMIC SAFETY IMPROVEMENTS

DEPARTMENT: PUBLIC WORKS DEPARTMENT/ TRANSPORTATION
SERVICES DIVISION

PRESENTED BY: RAJA SETHURAMAN, PUBLIC WORKS DIRECTOR

CONTACT INFORMATION: RAMIN NIKOUI, SENIOR ENGINEER, (714) 754-5184

RECOMMENDATION:

Staff recommends the City Council:

1. Award a Professional Services Agreement (PSA) to Kimley-Horn and Associates, Inc. for professional engineering design services for the Signal Modernization for Systemic Safety Improvements project (Federal Project No. HSIPL-5312(107)) in the amount of \$300,729.75 (Attachment 1), in substantially the form as attached and in such final form as approved by the City Attorney.
2. Authorize a ten percent (10%) contingency in the amount of \$30,073 for any additional services that may be required by the project.
3. Authorize the City Manager and the City Clerk to execute the PSA and any future amendments to the agreement.

BACKGROUND:

In 2022, the City of Costa Mesa completed a Local Road Safety Plan (LRSP), which identified a framework to identify, analyze and develop traffic safety enhancements on the City's roadway network. The LRSP identified systemic traffic signal-related infrastructure improvements that can be implemented throughout the City to enhance safety for all modes of travel. In late 2022, using data and recommendations from the LRSP, the City applied for grant funds for the 11th cycle of the Highway Safety Improvement Program (HSIP). In 2023, the City was awarded federal grant funds to design and implement systemic safety improvements to 129 of the City's 131 signalized intersections.

The Signal Modernization for Systemic Safety Improvements project (Project) will design and implement proven safety countermeasures for all users including implementing Leading Pedestrian Intervals (LPI) for up to 49 intersections, installing countdown pedestrian signal heads at 43 intersections, installing new yellow retroreflective border signal backplates at 129 signalized intersections to enhance signal visibility and compliance, upgrading all remaining 8" signal heads in

the City to standard 12" signal heads, installing battery backup systems at major intersections to keep signals and pedestrian crossings active during unexpected power outages, and installing emergency vehicle preemption devices at the remaining 30 intersections to complete the preemption network for the City's emergency services.

ANALYSIS:

On August 28, 2024, the City issued a Request for Proposals (RFP) for professional engineering design services for the Signal Modernization for Systemic Safety Improvements project (Federal Project No. HSIPL-5312(107)). Six (6) proposals were received to provide the professional engineering design services. Proposals were reviewed for compliance with the City's RFP, and consultants were evaluated based on project understanding, depth of experience, technical expertise, and associated evaluation criteria.

After a thorough evaluation of the proposals and consultant interviews with the highest ranked firms, staff finds Kimley-Horn and Associates, Inc. (Kimley-Horn) to be well qualified to perform the requested engineering design services for the Project. The proposal submitted by Kimley-Horn represents a thorough understanding of the Project, complies with City requirements, and documents Kimley-Horn's technical ability and experience with similar projects. The design fees proposed by Kimley-Horn were determined to be competitive and commensurate with the requested services.

ALTERNATIVES:

One alternative would be to not approve the PSA and conduct the project using in-house resources. However, the technical expertise and volume of the work associated with the project exceeds staff's available resources and time. This would result in delays in the completion of the design within the timelines indicated in the grant.

FISCAL REVIEW:

Funding for the proposed PSA with Kimley-Horn is available in the existing Capital Improvement Project (Fund 401) approved in the Fiscal Year 2024-25 budget.

LEGAL REVIEW:

The City Attorney's Office has reviewed this report, prepared the proposed PSA and approves them both as to form.

CITY COUNCIL GOALS AND PRIORITIES:

This item supports the following City Council Goals:

- Strengthen the public's safety and improve the quality of life.
- Maintain and enhance the City's facilities, equipment and technology.

CONCLUSION:

Staff recommends the City Council:

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