



STAFF REPORT

CITY of YORBA LINDA

PUBLIC WORKS DEPARTMENT

DATE: JUNE 7, 2022

TO: HONORABLE MAYOR AND MEMBERS OF THE COUNCIL

FROM: JAMIE LAI, P.E., DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
PREPARED BY: RICK YEE, P.E., DEPUTY PUBLIC WORKS DIRECTOR

SUBJECT: APPROVAL OF AN AMENDMENT TO THE AGREEMENT WITH MICHAEL BAKER INTERNATIONAL FOR ADDITIONAL ENGINEERING DESIGN SERVICES ON BASTANCHURY ROAD WIDENING BETWEEN CASA LOMA AVENUE AND EUREKA AVENUE

RECOMMENDATION

It is recommended that the City Council:

1. Approve an amendment to the Professional Services Agreement with Michael Baker International, in the amount of \$70,294 for additional engineering services on the Bastanchury Road Widening Project between Casa Loma Avenue and Eureka Avenue (SI221005); and
2. Approve a supplemental budget appropriation of \$19,504 from the Traffic Signal Improvement Fund (405) with a corresponding increase to the Capital Improvement Program (CIP) Project budget.

BACKGROUND

The original agreement for the subject project was awarded by the City Council as an amendment to the on-call agreement with Michael Baker International (MBI) in June 2018. The services included engineering design and construction support services. In November 2021, the City Council approved an extension to the MBI agreement along with increased compensation to allow for MBI's provision of support during construction.

In March 2022, the City Council approved a prior amendment with MBI to incorporate services needed for a constructability review process and to adjust plans in response to private property accommodations resulting from the Right of Entry process. As a result of the constructability review, a number of design details and refinements were identified and thereafter incorporated into the plans to address potential utility conflicts and ideally minimize construction impact and change orders.

Upon completion of the recent subsurface investigation within the project limits, it was revealed that a conflict with a Yorba Linda Water District (YLWD) water main would require either relocation or re-design. In order to avoid costs related to relocation of this pipeline and the desire to keep the line in place, it was determined that additional value engineering

could be pursued that would allow for an alternate design for the retaining wall foundation in conflict. Expending design effort on the modified design would not only avoid the impact to the aforementioned waterline, but it would also result in more favorable construction costs than with the traditional footing design. The value engineering effort is timely as it allows for avoidance of the waterline relocation and also mitigates the retaining wall cost increases that have resulted from accommodations due to private property slope conditions. Additionally, the subsurface investigation results have necessitated additional design effort on the plans to accommodate the changes in the accessible pedestrian pathway due to movement of traffic signal poles to avoid subsurface conflicts. While the designs were coordinated at the time of original engineering design, the recently constructed improvements to the Shea Homes tract necessitated refinements to the surface drainage design and street profiles for the City’s widening project on Bastanchury Road. Lastly, this amendment includes costs for a bird survey to ensure the absence of nesting birds in advance of tree removals that are necessary as part of the subject project.

DISCUSSION

Pending Council approval of this amendment, the revised aggregate design total authorized with MBI for these services will be increased to a not-to-exceed amount of \$435,083 as described in the table below.

Bastanchury Road Widening Design	
Original MBI Task Amount	\$299,317
Previously Approved Amendments	\$65,472
Proposed Amendment Amount	\$70,294
GRAND TOTAL	\$435,083

FISCAL IMPACT

A project budget amount of \$5,303,210 has been appropriated by the City Council as part of the Fiscal Year 2021/22 budget. Of this total, \$2,651,605 is to be funded via OCTA CTFP Competitive Grant Funds and the remaining \$2,651,605 is to be funded via the City’s Gas Tax. The project budget includes construction engineering support costs and the bulk of the requested amendment amount of \$70,294 will be funded from this portion of the project budget. Additionally, portions of the proposed design amendment pertain to traffic signal improvements required for the project (subtask 26) which qualify for additional funds. Therefore, staff recommends that Council approve an appropriation in an amount of \$19,504 from the Traffic Signal Improvement Fund (405) to cover these costs. Sufficient funding for the Project (SI221005) is available in the Fiscal Year 2021/2022 CIP budget under account No. 4010050-461620 for the remainder of the amendment costs.

ALTERNATIVES

Do not approve this amendment. However, foregoing the requested additional design scope will necessitate an alternate cost impact in designing the relocation of a YLWD water main and result in conflicting design information that would translate into contractor change

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ATTACHMENTS

- 1.) Michael Baker International Agreement
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