

**AMENDMENT NO. 6 TO
PROFESSIONAL SERVICES AGREEMENT**

THIS AMENDMENT is made and entered into this 7th day of June 2022, by and between the City of Yorba Linda, 4845 Casa Loma Avenue, Yorba Linda, California 92886, a municipal corporation of the State of California (hereinafter referred to as “City”), and **Michael Baker International, Inc.**, 5 Hutton Center Drive, Suite 500; Santa Ana, California 92707 (hereinafter referred to as “Consultant”).

WITNESSETH:

WHEREAS, the City and the Consultant entered into an Agreement for Professional On-Call Consultant Services dated November 21, 2016, on an as-needed basis; and

WHEREAS, the City and the Consultant desire to enter into an amendment to the Agreement; and

WHEREAS, the City and the consultant agree to amend the scope of services specified in Section 3.1.1 of the agreement to include additional Pre-Bid Design services for the Bastanchury Road Widening (from Casa Loma Avenue to Eureka Avenue) Project; and

WHEREAS, the City and the Consultant desire to amend the compensation specified in Section 2.1 Contract Sum of the Agreement will be amended to include an additional **Seventy Thousand Two Hundred Ninety-Four Dollars (\$70,294)** for additional Pre-Bid Design services for the Bastanchury Road Widening (from Casa Loma Avenue to Eureka Avenue) Project per Amendment No. 6; and

NOW, THEREFORE, in consideration of the mutual promises and covenants herein, the Parties agree as follows:

1. In accordance with Section 3.1.1 General Scope of Services of the Agreement, the scope of services provided in Attachment “A” of the Agreement is amended to include the additional scope of services described in the Consultant’s Scope Amendment Proposal attached here to as Attachment “A-3”.
2. In accordance with Section 3.3.1 Compensation of the Agreement, and Exhibit “A” Schedule shall include an additional **Seventy Thousand Two Hundred Ninety-Four Dollars (\$70,294)** for additional Pre-Bid Design services for the Bastanchury Road Widening (from Casa Loma Avenue to Eureka Avenue) Project, increasing the total not to exceed Agreement Task Order amount to **Four Hundred Thirty-Five Thousand Eighty-Three Dollars (\$435,083)**.

Except as amended pursuant to this Amendment No. 6, all provisions of the Agreement shall remain in full force and effect, and shall govern the services provided under this Amendment No. 6.

[SIGNATURES ON THE NEXT PAGE]

CITY OF YORBA LINDA

Dated: _____

By: _____

MARK A. PULONE
CITY MANAGER

ATTEST:

Marcia Brown
City Clerk

**MICHAEL BAKER INTERNATIONAL,
INC.**

Dianna Honeywell
Finance Director

APPROVED AS TO FORM:
RUTAN & TUCKER LLP

By: _____

(Print)

(Signature)

Todd Litfin
City Attorney

Title: _____

Dated: _____

May 10, 2022

Jamie Lai, PE

Director of Public Works / City Engineer
City of Yorba Linda
Public Works Department
4845 Casa Loma Avenue
Yorba Linda, CA 92886

**SUBJECT: PRE-BID PHASE DESIGN SERVICES -
BASTANCHURY ROAD STREET IMPROVEMENTS-AMENDMENT 6 REQUEST**

Dear Mrs. Lai,

Michael Baker International, Inc. (MBI) is currently supporting the City of Yorba Linda by finalizing the Street Improvement Plans for Bastanchury Road. The scope of design services has changed as a result of updated utility information, homeowner coordination and 3rd-Party coordination efforts taken on by the City. As a result of this coordination, the final street improvement plans, specifications and estimate need to be updated to reflect the current conditions. The City has also made a decision to remove the existing Eucalyptus trees along Bastanchury road prior to the start of the road widening project. The tree removal requires a bird survey to be completed prior to the start of the tree removal. The additional design services are described below for City review and approval. The fee associated with these design services is attached.

24.0 Design Changes Related to Protecting Existing Utilities

24.1 Supplemental Geotechnical Field Investigation for CIDH: Due to the presence of several existing oil and water pipelines located in close proximity to the new wall alignment, the City has decided to revise the wall foundation to a Cast In Drilled Hole (CIDH) design. This new foundation design will reduce the excavation required to install the wall footing and also facilitate protecting the existing pipelines in place. To accomplish the redesign of the wall foundation additional geotechnical field work is required including 3 new exploratory borings. Additional geotechnical work will include securing an encroachment permit, field work, laboratory testing, determination of required wall design parameters and corresponding modifications to the existing geotechnical report to include the new analysis.

24.2 Redesign retaining wall foundation to utilize CIDH piles: MBI will revise the design of the wall foundations and provide revised final plans, specifications, and estimate to reflect the new CIDH foundation details. The wall plan and profile sheets will be revised to reflect the new foundation design. Earthwork quantities will be updated to reflect the new structural excavation and backfill quantities. The design change is anticipated to reduce the overall cost of construction for the new

wall. Considering the compressed schedule, MBI will address comments from the City for a single comment review period for the revised wall plans.

24.3 Remove Filterra units from southside of Bastanchury Road and incorporate bioswales: Because the stormwater Filterra units located on the southside of Bastanchury Road are located in close proximity to the existing 14" water main, the Filterra units are going to be removed from the plans and replaced with bioswales located between the new curb and the equestrian trail fence. The City of Yorba Linda has installed bioswales at other locations within the City and will provide approved project details to the MBI design team to incorporate into the design where applicable. The two bioswales will be a minimum of 100 feet in length and terminate near the proposed catch basin located on the eastbound side of the roadway. This design change is expected to reduce the overall cost of construction by eliminating the 2 Filterra units.

25.0 Design Changes Related to Shea Homes

25.1 Redesign the Shea Homes driveway and remove drainage improvements to match Shea Homes current design: In response to the opening of the Shea Homes driveway to customers, the new driveway and drainage improvements shown on the Street and Drainage Improvement plans need to be revised to match the Shea Homes final improvement plans. MBI will revise the curb returns and drainage improvement plans to reflect the current conditions constructed by the Shea Homes development. The plans, specifications, and estimate will be updated to reflect the changes.

25.2 Revise fencing and add access gate to match the Shea Homes final design: The City of Yorba Linda has coordinated with Shea Homes to identify necessary revisions to the fencing and access control along the north side of Bastanchury Road. Michael Baker will make changes to the plans including the following items; remove the fencing along the westbound Bastanchury Road frontage in front of the Shea Homes development, add fencing along the City of Yorba Linda access corridor located just north of Casa Loma, and add a new vehicle access gate to the access corridor. The plans, specifications, and estimate will be updated to reflect these changes.

25.3 Complete Eureka intersection mapping: Michael Baker will complete the right of way mapping at the SE quadrant of the Bastanchury Road and Eureka Avenue intersection. A title report was not available at the time the original mapping was completed for the project. The City will provide a current title report and MBI will review the supplied title report and complete edits to the mapping base.

25.4 Prepare exhibits for homeowner coordination: Michael Baker will prepare 2 homeowner exhibits using our current design files in support of the City's negotiations with the private property owners affected by the project construction. One of the exhibits will be a grading exhibit depicting the additional grading work for the homeowner residing on San Rufino Circle.

25.5 Revise specifications and cost estimate to address 3rd party utility work: Michael Baker will update the project specifications to include the following changes as requested by the City;

- MBI will prepare and include an exhibit in the specifications that identifies the Contractor-supplied office/trailer location on City-owned property adjacent to the Shea Homes development.

- Include specifications to describe the requirements for a Contractor-supplied construction office. The City will provide an example specification from another project that details the requirements. MBI will revise the specification to reflect the needs for the Bastanchury Road Street Improvement Project. The project specifications and cost estimate will be updated to reflect the addition of this bid item. The prepared specifications will indicate that the Contractor will be required to provide an ADA path of travel plan for the construction trailer/office. The City of Yorba Linda building department will review and approved the Contractor-supplied plan. A site-specific ADA path of travel design and plan is not included in this scope item and will not be prepared by MBI unless requested as a separate scope item.
- Specifications will be added to the bid package to reflect the existing oil lines and removal requirements for oil lines that are found to be in conflict with the proposed construction. Existing oil lines will be protected or abandoned in-place wherever possible.
- Specifications will be added to reflect the gas transmission line relocation that extends from Casa Loma to Eureka Ave. It is anticipated that SoCal Gas will design their own relocation plans and perform the relocation work. The specifications edits will include detailing the coordination effort required by the roadway Contractor during the project construction to accommodate the gas line relocation. No new bid items are anticipated.

26.0 Design Changes Related to Traffic Signal Design

26.1 Re-design curb ramps and add retaining walls to accommodate Iteris traffic signal design plans:

Michael Baker will revise the curb ramps at both intersections and add 2 new alignments for new modular block walls at the Eureka Ave. intersection to accommodate the new traffic signal pole locations. As a result of utility identification and location effort several pole locations have been modified and Iteris has provided a revised design base file that requires edits to the MBI intersection design. MBI will update the final plans, specifications and estimate to accommodate for these changes.

26.2 Additional 3rd party coordination weekly meetings (April – June): Michael Baker will attend up to 8 additional coordination meetings with the City to complete the project design. This task assumes additional 2 hours of meeting/coordination per week for the months of April, May and June.

27.0 Bird Survey

27.1 Bird Survey to support tree removal on Bastanchury Road: Michael Baker will Perform a bird survey for the 40 trees located along the southside of Bastanchury Road between Casa Loma and Eureka. Upon completing the tree survey, MBI will complete a simplified letter report and send it over to the City for review. The bird survey is scheduled for May 9, 2022.

Michael Baker has identified two credits back to the City for the current services. The first credit is associated with the redesign of the retaining wall foundation and the water quality features. The reason for the wall foundation redesign is to mitigate impacts to the existing utilities and to reduce the overall


construction cost. These utilities include a YLWD 14-inch water line and existing oil lines. The utilities were potholed by Michael Baker in 2019 and again this year by the City. The current foundation design is in conflict with these utilities. By revising the foundation design, we will avoid any conflict with utilities and reduce the amount of excavation required. The new design will require less excavation and the overall construction cost will be reduced. The water quality features are in conflict with the existing utilities and since the water line will need to be protected in place, the type of water quality features will need to be updated to avoid any impact. The cost to perform the foundation and water quality redesign will be shared by both parties.

The second credit is related to the coordination with the Yorba Linda Water District. The City previously approved amendment 5 including design services to incorporate the relocation of the existing 14-inch water line into the final construction package. The current direction from the City is to protect the existing line in place. As such, the final bid package does not need to be updated. The credit is related to a savings of 12 engineering hours that are no longer required to complete the plan set. The two credits total is \$17,836.

Our fees to complete the above services is \$70,294 as detailed in the attached Project Fee Estimate **Exhibit A**.

Should you have any questions and/or require additional information, please feel free to contact me directly at (949) 472-3436 or at sarmad.farjo@mbakerintl.com.

Respectfully submitted,
MICHAEL BAKER INTERNATIONAL, INC.

A handwritten signature in blue ink, appearing to read 'Sarmad Farjo', with a horizontal line extending to the left and right of the signature.

Sarmad Farjo, PE
Department Manager

EXHIBIT A - FEE ESTIMATE
AMENDMENT No. 06
BASTANCHURY ROAD WIDENING PROJECT - BID SUPPORT SERVICES

SCHEDULE OF FEES	Senior Project Manager		Project Engineer		Design Engineer / Survey Analyst		Design Technician		Subconsultant (GMU)		TOTAL HOURS	TOTAL FEE
	Hours	Fee	Hours	Fee	Hours	Fee	Hours	Fee	Hours	Fee	Hours	Fee
ADDITIONAL BID / CONSTRUCTION SUPPORT												
24.0 Changes related to protecting the water line												
24.1 Supplemental Geotechnical Field Investigation for CIDH	2	\$578								\$14,068	2	\$14,646
24.2 Redesign Retaining Wall to CIDH piles	12	\$3,468	40	\$7,640			60	\$8,280			112	\$19,388
24.3 Remove Filterra units on southside of Bastanchury Road and incorporate bioswales	4	\$1,156					80	\$11,040			84	\$12,196
25.0 Design Changes Related to Shea Homes												
25.1 Re-design the Shea Homes driveway and remove drainage improvements to match Shea Homes current	4	\$1,156					60	\$8,280			64	\$9,436
25.2 Revise fencing and add access gate to match Shea Homes final design	2	\$578					8	\$1,104			10	\$1,682
25.3 Complete Eureka Intersection Mapping	2	\$578	2	\$382							4	\$960
25.4 Prepare exhibits for homeowner coordination	2	\$578					12	\$1,656			14	\$2,234
25.5 Revise specifications and cost estimate to address 3rd party utility work	10	\$2,890					12	\$1,656			22	\$4,546
26.0 Design Changes Related to Traffic Signal Design												
26.1 Re-design curb ramps and add retaining walls to accommodate changes to the Iteris signal design plans	8	\$2,312	8	\$1,528			80	\$11,040			96	\$14,880
26.2 3rd Party coordination- weekly meetings (April through June) 2 hours per week.	16	\$4,624									16	\$4,624
27.0 Bird Survey												
27.1 Bird Survey to support tree removal on Bastanchury Road			2	\$382	18	\$2,880	2	\$276			22	\$3,538
Subtotal:	62	\$17,918	52	\$9,932	18	\$2,880	314	\$43,332		\$14,068	446	\$88,130
TOTAL REQUESTED SERVICES												\$88,130
Credit to the City (Cost Sharing ITEMS 24.2 and 24.3)												\$15,792
Credit to the City (Amendment No. 5 - Task 23)												\$2,044
TOTAL ADDITIONAL FUNDING REQUEST - Amendment No. 06												\$70,294