

Project Name/No.: ST243 – Euclid Bridge Design

Contract No.: 2024-163 (A4)

Project Manager: PW/ M. Hindersinn

Approved: 06.16.2026

**AMENDMENT NO. 4
TO AGREEMENT FOR SERVICES**

THIS AMENDMENT TO THE AGREEMENT FOR SERVICES (“Amendment”) by and between the CITY OF CHINO, a California municipal corporation (“City”) and **Biggs Cardosa Associates, Inc.**, a California Corporation (“Consultant”) is effective as of the 16th day of June, 2026.

RECITALS

A. City and Consultant entered into that certain Agreement for Contractual Services dated October 17th, 2023 (“Agreement”) whereby Consultant agreed to provide Design Engineering Services for the Euclid Bridge Project (R2401).

B. City and Consultant entered into a First Amendment on July 1, 2024 to extend the term of the Agreement for an additional Fiscal Year (2024-25).

C. City and Consultant entered into a Second Amendment on February 4th, 2025, to add to the scope of work and increase compensation by \$388,534.24.

D. City and Consultant entered into a Third Amendment on July 1st, 2025, to extend the term of the Agreement for an additional two (2) Fiscal Years (2025-26 & 2026-27).

E. City and Consultant now desire to amend the Agreement to add to the scope of work and increase compensation by \$891,409.

TERMS

1. **Contract Changes.** The Agreement is amended as provided herein.
 - (a) The scope of services provided in Exhibit “A-1” and “A-2” of the agreement is amended to include services as specified in Exhibit “A-3”, attached hereto.
 - (b) The schedule of compensation provided in Exhibit “C-1” and “C-2” of the agreement is amended to include services as specified in Exhibit “C-3”, attached hereto.
 - (c) Section 2.1, Contract sum is hereby revised to increase the Contract Sum by **Eight Hundred Nine Thousand Four Hundred Nine Dollars and Zero Cents (\$891,409)** for additional design and environmental services for the Euclid Avenue Bridge Project (ST243), and shall read in its entirety as follows:

Subject to any limitations set forth in this Agreement, City agrees to pay Consultant the amounts specified in the “Schedule of Compensation” attached hereto as Exhibit “C” and incorporated herein by this reference. The total compensation,

including reimbursement for actual expenses, shall not exceed **Five Million Two Hundred Twenty-Four Thousand One Hundred Sixty-Eight Dollars and Fifty-Eight Cents (\$5,224,168.58)** (the “Contract Sum”), unless additional compensation is approved pursuant to Section 1.10.

2. **Continuing Effect of Agreement.** Except as amended by this Amendment, all provisions of the Agreement shall remain unchanged and in full force and effect. From and after the date of this Amendment, whenever the term “Agreement” appears in the Agreement, it shall mean the Agreement, as amended by this Amendment to the Agreement.

3. **Affirmation of Agreement; Warranty Re Absence of Defaults.** City and Consultant each ratify and reaffirm each and every one of the respective rights and obligations arising under the Agreement. Each party represents and warrants to the other that there have been no written or oral modifications to the Agreement other than as provided herein. Each party represents and warrants to the other that the Agreement is currently an effective, valid, and binding obligation.

Consultant represents and warrants to City that, as of the date of this Amendment, City is not in default of any material term of the Agreement and that there have been no events that, with the passing of time or the giving of notice, or both, would constitute a material default under the Agreement.

City represents and warrants to Consultant that, as of the date of this Amendment, Consultant is not in default of any material term of the Agreement and that there have been no events that, with the passing of time or the giving of notice, or both, would constitute a material default under the Agreement.

4. **Adequate Consideration.** The parties hereto irrevocably stipulate and agree that they have each received adequate and independent consideration for the performance of the obligations they have undertaken pursuant to this Amendment.

5. **Authority.** The persons executing this Amendment on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Amendment on behalf of said party, (iii) by so executing this Amendment, such party is formally bound to the provisions of this Amendment, and (iv) the entering into this Amendment does not violate any provision of any other agreement to which said party is bound.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties hereto have executed this Amendment on the date and year first-above written.

CITY:

CITY OF CHINO, a municipal corporation

Linda Reich, City Manager

ATTEST:

Natalie Gonzaga, City Clerk

APPROVED AS TO FORM:
ALESHIRE & WYNDER, LLP

APPROVED AS TO CONTENT:

Hye Jin Lee, PE, Director of Public Works

Fred Galante, City Attorney

CONSULTANT:
BIGGS CARDOSA ASSOCIATES, INC.:

By: _____

Name: Roy Schnabel
Title: President/CEO

By: _____

Name: Eric Pheifer
Title: Principal

Address: 500 s. Main Street, Suite 1200
Orange, CA 92868

Two corporate officer signatures required when Consultant is a corporation, with one signature required from each of the following groups: 1) Chairman of the Board, President or any Vice President; and 2) Secretary, any Assistant Secretary, Chief Financial Officer or any Assistant Treasurer.

April 21, 2026

Michele Hindersinn, P.E., QSD/QSP
Senior Engineer
City of Chino | Public Works Department
13220 Central Avenue
Chino, CA 91710

Subject: Euclid Avenue Bridge Project (City Project No. R2401)
Extra Work Request No. 5 / Request for Amendment No. 4

Dear Michele,

Biggs Cardosa Associates, Inc. is submitting this Extra Work Request to implement additional requested design and environmental elements, including:

1. Design of relocated brine line for Santa Ana Watershed Project Authority (SAWPA).
2. Addition of a traffic signal at the intersection of Euclid Avenue and the Prado Regional Park entrance.
3. Extension of street and multi-use path lighting from the current project terminus (where the proposed roadway profile conforms to existing grade south of the entrance to Prado Regional Park) to the Euclid Avenue / Prado Regional Park entrance.
4. Extension of the multi-use path from the current project terminus to the Prado Regional Park entrance. It is assumed that a separate, future project would extend the multi-use path to the Euclid Avenue / Pine Avenue intersection to close the gap and create a fully connected multi-use path between Euclid Avenue and Pine Avenue.
5. Update the Environmental Impact Report (EIR), Cultural Resources Report, Biological Technical Report, and Jurisdictional Delineation Report to account for the additional work to be performed at the intersection of Euclid Avenue and the Prado Regional Park entrance.
6. Biological surveys and monitoring for nesting birds will occur to ensure there is no disturbance to their habitat during the geotechnical boring work.
7. Along with tribal monitors, archaeological monitoring will occur during all ground disturbing activities, specifically the geotechnical borings, to evaluate any unearthened cultural resources.

A detailed scope of work and fee proposal are attached. We understand that the contract's contingency may already been utilized to pivot the project from a CEQA Initial Study / Mitigated Negative Declaration to an Environmental Impact Report as part of Amendment No. 2 to the Professional Services Agreement (PSA). We are therefore requesting that this be brought to City Council for approval and anticipate that these additional services would be Amendment No. 4 to our PSA.

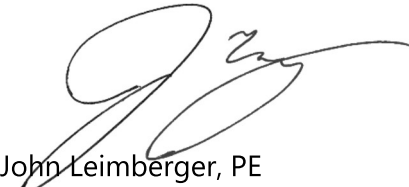
These additional services will be performed by Biggs Cardosa and our subconsultants. Biggs Cardosa will provide overall coordination on all these elements. BKF will provide civil design for the brine line design work, extended multi-use path design, and components of design of the intersection at Prado Regional Park entrance. They will also perform additional potholing for the traffic signals and associated surveying. Stantec will design the traffic signals and additional street lighting. RVA will implement the extended limits of work into the Environmental Impact Report and will provide biological and archeological monitoring services. Q3 will update the Hydrology and Hydraulics Report. The total additional not-to-exceed amount of this request is \$891,409. The not-to-exceed amounts per consultant are summarized below. Refer to the attached detailed scope and fee proposals for additional details.

- Biggs Cardosa Associates: \$117,690
- BKF Engineers: \$600,948
- Stantec: \$59,981
- RVA: \$102,926
- Q3: \$9,864

We look forward to continuing to work with you on this project. Should you have any questions or require any additional information, please do not hesitate to contact me at 714.352.8322 (office), or by email at jleimberger@biggscardosa.com.

Sincerely,

BIGGS CARDOSA
ASSOCIATES, INC.



John Leimberger, PE
Senior Engineer

Attachments:

- Attachment 1: Exhibit "A-3": Scope of Services – Amendment No. 4
- Attachment 2: Exhibit "C-3": Schedule of Compensation – Amendment No. 4
- Attachment 3: Scope and Fee Proposals from Sub-Consultants

SCOPE OF SERVICES – EXTRA WORK REQUEST NO. 5

INTRODUCTION

As the design of the Euclid Avenue Bridge advances, several items have been identified by the City and design team as beneficial to the project and were not included in the original project scope. These additional items include the following:

- Design of a new relocated brine line.
- Design of additional streetlighting from north of the bridge to the intersection at M. Combs Way, which is the entrance to Prado Park.
- Design of traffic signals and intersection improvements where Euclid Avenue and M. Combs Way intersect.
- Revisions to all environmental documents to include the work associated with the intersection and streetlighting improvements mentioned above.
- Biological and archeological monitoring during geotechnical field work.
- Coordination with San Bernardino County Parks Department, US Fish and Wildlife Services, Caltrans, and the US Army Corps of Engineers in preparation for the geotechnical field work.

An existing brine line, located approximately 33-ft east of the centerline of Euclid Avenue, has been identified as conflicting with the deep foundations of the proposed bridge and retaining walls. After discussions with the owner of the brine line, Santa Ana Watershed Project Authority (SAWPA), it was determined that isolated relocations of the line at points of conflict would not be practical. A relocation of the entire line through the Prado Basin, outside the footprint of the new bridge would be the most appropriate solution.

It has been determined that the replacement of the Euclid Avenue Bridge, through the Prado Basin in the City of Chino, will result in traffic volumes that would make it advantageous to install traffic signals at the intersection of Euclid Avenue and M. Combs Way, which is the entrance to Prado Regional Park. The additional work at the intersection will include the design of the traffic signals, Americans with Disabilities Act (ADA) compliant curb ramps, all associated roadway items, and additional street lighting. Additionally, the expanded scope of the project will require that the impacted environmental documents along with the Hydrology and Hydraulics Report be revised to include this new work.

To obtain the appropriate approvals and permits to begin the geotechnical boring work, additional coordination with regulatory agencies was required. This process was far more time-consuming than originally estimated due to personnel turnover and generally long response times by the various agencies. Additionally, at least one of the agencies was impacted by the government shutdown during the last quarter of 2025 leading to more inefficiencies and delays.

Additionally, biological and archeological monitoring is to occur while the boring crew is onsite. A biological monitor will be onsite during all geotechnical work. Additionally, as part of the agreement with local tribes, an archeologist will be required to be onsite during this work.

Consistent with the Professional Services Agreement, throughout this scope, Biggs Cardosa Associates, Inc. and their subconsultants will be referred to as the "Consultant." References to "City" shall mean the City of Chino.

Euclid Avenue Bridge Project

TASK 1 – PROJECT ADMINISTRATION AND COORDINATION

The Consultant will manage and coordinate all efforts associated with the added scope, tracking progress of the work, coordination with stakeholders and utility companies, providing potholing and surveying services, and ensuring on time delivery of the work outlined in this scope.

Assumptions	<ul style="list-style-type: none">▪ Up to eight (8) additional virtual project meetings with the City are included in this scope.▪ Up to five (5) design review meetings with the City and SAWPA are included in this scope.
Deliverables	Meeting Agendas / Minutes

TASK 2 – PREPARE BASE MAPS AND PLAN SHEETS

Utility Coordination: Consultant will perform additional coordination with Southern California Edison (SCE) to identify and confirm service connection points and electrical load requirements for both the proposed traffic signals and additional street lighting. Updates will be made to the Composite Utility Plans to reflect the final disposition of SCE facilities.

Assumptions	Participate in up to two (2) virtual coordination meetings with SCE and the City to review proposed electrical layouts and finalize service design requirements.
Deliverables	Meeting Agendas / Minutes

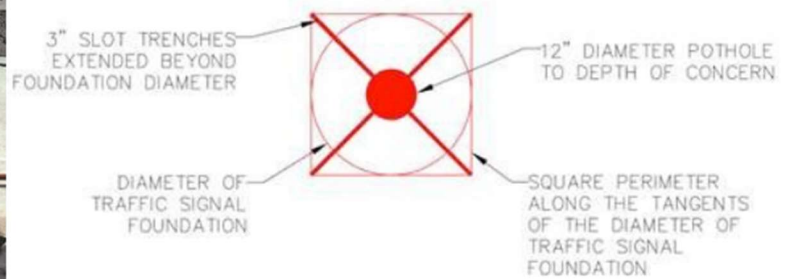
Potholing: Thirty-six (36) potholes will be completed by the Consultant's subsurface utility locating contractor, to verify the horizontal and vertical locations of existing utilities within the project area. Of these, six (6) potholes will be performed using the X-Trench method at proposed traffic signal pole foundation locations to confirm that sufficient clearance exists for the full foundation depth and diameter.

Note that work to be performed by potholing contractor will require nine (9) days of work compared to the original potholing scope of services of two days.

The full-depth X-Trench method, illustrated in the diagram on the next page, will be used to expose the full extent of utilities at each proposed traffic signal pole location and verify that the foundations are free and clear of potential conflicts. Consultant will have one (1) engineer present in the field with the potholing contractor and one (1) engineer in the office during the potholing activities to proactively relocate the traffic signal pole location(s) if existing utilities are found to be in conflict, until a dry hole is found. This proactive approach will avoid demobilizing the potholing contractor when a utility conflict is encountered.

Consultant's surveyors will stake and mark the X-trench locations prior to potholing contractor mobilizing on-site. Upon completion of the potholing work, the surveyors will return to collect the final potholing locations through detailed survey pick up. The surveyed data will be incorporated into the project's base mapping to verify existing utility depths and locations, ensuring the design reflects accurate field conditions prior to the final plans, specifications, and engineer's estimate (PS&E) submittal.

Euclid Avenue Bridge Project



Survey: Following completion of the potholing activities, the survey team will locate and record the as-built positions and depths of all thirty-six (36) potholes, including the X-trench locations. These surveyed points will be incorporated into the project base mapping and Composite Utility Plan to ensure design accuracy and coordination of all proposed signal and roadway improvements.

Additionally, a supplemental survey will be performed to capture specific features related to the SAWPA brine line. The survey team will obtain manhole locations and rim elevations along with invert elevations.

Assumptions	<ul style="list-style-type: none"> ▪ Euclid Avenue right-of-way will be relinquished to the City prior to the surveying and potholing tasks. ▪ Survey work associated with potholing includes two mobilizations.
Deliverables	<ul style="list-style-type: none"> ▪ Pothole Report ▪ Updated Utility Base Map

TASK 5 – TRAFFIC ANALYSIS

Supporting traffic analysis for the intersection and traffic signal design will be provided with the initial plan set submittal for this additional work.

TASK 7 – ENVIRONMENTAL DOCUMENTATION

All necessary coordination will occur between the Consultant and the various agencies to obtain required permits or licenses to complete field work.

Environmental Impact Report (EIR)

Based on the new limits of the project, the Consultant will update all the figures and project footprint acreage throughout the Project Description section of the Draft EIR. This section of the EIR will be updated to include a description of the new intersection improvements at Euclid Avenue and M. Combs Way. The transportation section of the Draft EIR will also be updated to include new intersection improvements and how it will affect the area.

Cultural Resources Report

The Consultant will update the Cultural Resources Report's project description, figures, footprint, and acreages to include the new intersection improvements at the park entrance.

Biological Technical Report

Euclid Avenue Bridge Project

The Consultant will update the Biological Technical Report’s project description, figures, footprint, and acreages to include the new intersection improvements at the park entrance.

Jurisdictional Delineation Report

The Consultant will update the Jurisdictional Delineation Report’s project description, figures, footprint, and acreages to include the new intersection improvements at the park entrance.

Biological and Archaeological Monitoring

The geotechnical borings will be performed adjacent to the existing Euclid Avenue through the Prado basin, which is considered an environmentally sensitive area. In order to perform this work, a biologist, from the Consultant’s team, will be onsite to ensure sensitive species are not being adversely impacted. Work will cease if the biologist determines that a species is being adversely impacted by the work and will not resume until suitable mitigation measures have been taken or the species leaves the area.

A qualified archeologist will also be onsite during all geotechnical work and be responsible for all archeological and cultural resource activities. Prior to any field work occurring, the archeologist will consult with the tribes in preparation of a Cultural Resource Management Plan or Archaeological Monitoring and Treatment Plan. Included in either of these plans must be approved Mitigation Measures (MM) / Conditions of Approval (COA), contact information for all pertinent parties, responsibilities of parties involved, procedures for each MM or COA, and an overview of the project schedule.

Assumptions	<ul style="list-style-type: none">▪ One (1) round of review comments on the updated Project Description and Reports by City staff is anticipated.▪ One (1) round of review comments on the Cultural Resources Management Plan or Archaeological Monitoring Plan.
Deliverables	<ul style="list-style-type: none">▪ Updated Project Description▪ Updated Cultural Resource, Biological Technical, and Jurisdictional Delineation Reports▪ Biological Monitoring During Geotechnical Borings▪ Cultural Resources Management Plan or▪ Archaeological Monitoring and Treatment Plan

TASK 8 – CONSTRUCTION DOCUMENTS

This task consists of designing and developing PS&E for the additional work associated with adding traffic signals and extending the multi-use path and street lighting to the Prado Regional Park Entrance.

Brine Line

Work includes the development of design documents for the 27” and 42” brine line relocation. Since the brine line work commences after the 65% PS&E package has been submitted, this work will advance on a different track from the rest of the project with the goal of all PS&E documents being at the same level

Euclid Avenue Bridge Project

of completion by the 95% submittal. However, prior to that, 30% (schematic) and 65% design level PS&E packages will be submitted to the City and SAWPA for review and comments.

We anticipate an estimated 40 plan sheets will be required and are listed below.

- Title Sheet (1)
- Notes and Legend (1)
- Demolition Sheet (1)
- Brine Line Plan and Profile (10)
- Brine Line Details (3)
- Manhole Structures (4)
- Maintenance Road (10)
- Traffic Control Details (10)

Assumptions	<ul style="list-style-type: none">▪ The 30% design will be schematic layout with no details
Deliverables	<ul style="list-style-type: none">▪ 30% schematic design▪ 65% design level Plans, Specifications, and Estimates▪ 95% design level Plans, Specifications, and Estimates▪ 100% design level Plans, Specifications, and Estimates

Roadway

Curb Ramp: To accommodate the proposed traffic signal at the intersection of Euclid Avenue and the Prado Park entrance, two (2) new ADA-compliant curb ramps will be designated at the northeast and southeast quadrants to facilitate a future multi-use path crossing and ensure safe pedestrian and cyclist connectivity. This added work requires the development of a new 10-scale detail sheet, revisions to multiple plan sheets from the 65% submittal to reflect the signal and ramp integration, and corresponding updates to the engineer's estimate. The revised plans will be advanced through 95%, 100%, and Final Submittal stages, incorporating City review comments and ensuring full design coordination across the roadway, traffic signal, and path improvement components.

Multi-Use Path: The current multi-use path alignment north of the bridge limits and south of the Prado Park entrance places cyclists on the roadway shoulder. Based on the City's 65% PS&E comments which indicated the bridge section should accommodate both northbound and southbound cyclist, and the direction received in our PDT meetings that the crossing at the Prado Park entrance should be a multi-use facility, the northbound segment of Euclid Avenue from approximately stations 200+00 to 213+32 will be designed to accommodate a Class I facility. This revision would shift cyclists off the shoulder to a separate path behind the proposed curb and gutter, allowing both cyclists and pedestrians to safely use the new curb ramps to cross the park entrance and access the bridge two-way bike trail. The design of the Class I facility will require modification to various sheets from the 65% submittal and updates to the estimate. Plans will be prepared for the 95%, 100%, and Final submittals. The list of twenty-one (21) affected sheets is listed below.

- General Notes (1)
- Key Map (1)
- Typical Sections (1)
- Horizontal Control (1)
- Demolition (1)
- Plan and Profile (3)

Exhibit "C-3"

Chino Creek Bridge Replacement

Fee Summary | Extra Work Request No. 5 / Request for Amendment No. 4

Task	Description	Biggs Cardosa Associates	BKF Engineers	Earth Mechanics, Inc.	RVA	Q3 Consulting	Stantec	Totals
1	Project Management	\$3,150.00	\$76,694.00	\$0.00	\$0.00	\$0.00	\$0.00	\$79,844.00
2	Prepare Base Maps and Plan Sheets	\$0.00	\$99,336.00	\$0.00	\$0.00	\$0.00	\$0.00	\$99,336.00
3	Feasibility Study	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	Geotechnical Design Report and Other Field Studies	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	Traffic Analysis	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,168.00	\$11,168.00
6	Permits & Agreements	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	Environmental Documentation	\$24,100.00	\$0.00	\$0.00	\$102,926.00	\$0.00	\$0.00	\$127,026.00
8	Prepare Plans, Specifications & Estimates	\$86,485.00	\$342,247.00	\$0.00	\$0.00	\$0.00	\$48,813.00	\$477,545.00
9	Quantities and Estimates	Included in Task 8 - Prepare Plans, Specifications & Estimates						\$0.00
10	Transportation Management Plan	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	Hydrology and Hydraulics Report	\$0.00	\$0.00	\$0.00	\$0.00	\$9,864.00	\$0.00	\$9,864.00
12	Prepare Final PS&E Package	\$3,955.00	\$69,675.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,630.00
13	Contract Bid Documents (Ready to List)	\$0.00	\$12,996.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,996.00
14	Engineering Support During Construction	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	Project Closeout	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Totals	\$117,690.00	\$600,948.00	\$0.00	\$102,926.00	\$9,864.00	\$59,981.00	\$891,409.00

Biggs Cardosa Associates, Inc.

Fee Proposal for Extra Work Request No 5

Engineering Services for Brine Line Design

Task	Description	Principal	Associate	Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Junior Engineer	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$305.00	\$275.00	\$235.00	\$225.00	\$205.00	\$185.00	\$172.00	\$155.00		
Task 1 - Project Management											
1.2.2	Project Manager Coordination Meetings				8					8	\$1,800.00
Task 1 - Project Management Subtotal:										8	\$1,800.00
Task 1 - Project Management Escalation @ 0%:											\$0.00
Task 1 - Project Management Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 1 - Project Management Total:											\$1,800.00

Task 8 - Prepare Plans, Specifications, and Estimates (PS&E)											
8.1	65% PS&E										
8.1.1	Plans	8			54				120	182	\$33,190.00
8.1.2	Specifications										\$0.00
8.1.3	Cost Estimates										\$0.00
8.1.4	Calculations										\$0.00
8.2	95% PS&E										
8.2.1	Plans	4			16				40	60	\$11,020.00
8.2.2	Specifications										\$0.00
8.2.3	Cost Estimates										\$0.00
8.2.4	Calculations										\$0.00
8.2.5	Independent Check										\$0.00
8.3	100% PS&E										
8.3.1	Plans	4			4				4	12	\$2,740.00
8.3.2	Specifications										\$0.00
8.3.3	Cost Estimates										\$0.00
8.3.4	Calculations										\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Subtotal:										254	\$46,950.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Escalation @ 0%:											\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Other Direct Costs (ODCs):											\$0.00
											\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Total:											\$46,950.00

Biggs Cardosa Total: \$48,750.00

Biggs Cardosa Associates, Inc.

Fee Proposal for Extra Work Request No 5

Engineering Services for Traffic Signal, Lighting Design, and Project Coordination

Task	Description	Principal	Associate	Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Junior Engineer	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$305.00	\$275.00	\$235.00	\$225.00	\$205.00	\$185.00	\$172.00	\$155.00		
Task 1 - Project Management											
1.2.3	Utility Coordination Meetings				6					6	\$1,350.00
Task 1 - Project Management Subtotal:										6	\$1,350.00
Task 1 - Project Management Escalation @ 0%:											\$0.00
Task 1 - Project Management Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 1 - Project Management Total:											\$1,350.00

Task 7 - Environmental Documentation											
7.7.3	Permits / Coordination with Agencies	20			80					100	\$24,100.00
Task 7 - Environmental Documentation Subtotal:										100	\$24,100.00
Task 7 - Environmental Documentation Escalation @ 0%:											\$0.00
Task 7 - Environmental Documentation Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 7 - Environmental Documentation Total:											\$24,100.00

Task 8 - Prepare Plans, Specifications, and Estimates (PS&E)											
8.2	95% PS&E										
8.2.1	Plans				40				60	100	\$18,300.00
8.2.2	Specifications				24					24	\$5,400.00
8.2.3	Cost Estimates				2				4	6	\$1,070.00
8.2.4	Calculations										\$0.00
8.2.5	Independent Check	2		24						26	\$6,250.00
8.3	100% PS&E										
8.3.1	Plans	1			12				20	33	\$6,105.00
8.3.2	Specifications	1			4					5	\$1,205.00
8.3.3	Cost Estimates	1			4					5	\$1,205.00
8.3.4	Calculations										\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Subtotal:										199	\$39,535.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Escalation @ 0%:											\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Other Direct Costs (ODCs):											\$0.00
											\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Total:											\$39,535.00

Task 12 - Prepare Final PS&E Package											
12.1.1	Plans - Final	1			4				8	13	\$2,445.00
12.1.2	Specifications - Final	1			2					3	\$755.00
12.1.1	Estimate - Final	1			2					3	\$755.00
Task 12 - Prepare Final PS&E Package Subtotal:										19	\$3,955.00

Exhibit C-3 | Schedule of Compensation

Biggs Cardosa Associates, Inc.

Fee Proposal for Extra Work Request No 5

Engineering Services for Traffic Signal, Lighting Design, and Project Coordination

Task	Description	Principal	Associate	Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Junior Engineer	Total Hours	Budget per Task
Task 12 - Prepare Final PS&E Package Escalation @ 0%:											\$0.00
Task 12 - Prepare Final PS&E Package Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 12 - Prepare Final PS&E Package Total:											\$3,955.00
Biggs Cardosa Total:											\$68,940.00

BKF

Fee Proposal for Extra Work Request No 5

Engineering Services for Brine Line Design

Task	Description	Principal	QA/QC	Project Manager	Sr Project Manager	Engineering Manager	Sr Project Engineer	Design Engineer	Survey PM	Party Chief	Chain Person	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$288.00	\$268.00	\$260.00	\$253.00	\$228.00	\$212.00	\$162.00	\$247.00	\$212.00	\$136.00		
Task 1 - Project Management													
1.2.2	Project Manager Coordination Meetings (8 meetings)			26	18	18	18					80	\$19,234.00
1.2.4	Design Review Meetings (5 meetings)			16	16	16	16					64	\$15,248.00
1.7	Project Management	4	2	48								54	\$14,168.00
1.8	2 Key Meetings In-Person (Optional)				12	12						24	\$5,772.00
Task 1 - Project Management Subtotal:												198	\$54,422.00
Task 1 - Project Management Escalation @ 0%:													\$0.00
Task 1 - Project Management Other Direct Costs (ODCs):													\$0.00
Mileage for Field Visits													
Task 1 - Project Management Total:													\$54,422.00

Task 2 - Prepare Base Maps and Plan Sheets													
2.2.4	Topographic Survey			2			8		12	16	16	54	\$10,748.00
Task 2 - Prepare Base Maps and Plan Sheets Subtotal:												54	\$10,748.00
Task 2 - Prepare Base Maps and Plan Sheets Escalation @ 0%:													\$0.00
Task 2 - Prepare Base Maps and Plan Sheets Other Direct Costs (ODCs):													\$395,714.00
Mileage for Field Visits													
Task 2 - Prepare Base Maps and Plan Sheets Total:													\$10,748.00

Task 8 - Prepare Plans, Specifications, and Estimates (PS&E)													
8.0	Design Development and Trenchless Design (30% Design)												
8.0.1	Alignment and Tie-in Points		2		4	6	8	8				28	\$5,908.00
8.0.2	Access Road Design			10	4	6	8	8				36	\$7,972.00
8.0.3	Souring and Sedimentation				4	6	4	4				18	\$3,876.00
8.0.4	Watertight Manholes and Pipeline Approach		2		4	6	4	4				20	\$4,412.00
8.0.5	Sediment and Water Column Loading				4	6	4	4				18	\$3,876.00
8.0.6	Maintaining Brine Line Flows at All Times		2		4	6	4	4				20	\$4,412.00
8.0.7	Access During Construction		2	10	4	6	8	8				38	\$8,508.00
8.0.8	Contractor Qualifications				4	6	8	8				26	\$5,372.00
8.1	60% Design Submittal		4	16	30	32	36	56				174	\$36,822.00
8.2	90% Design Submittal			12	16	20	30	36				114	\$23,920.00
8.4	Prepare Traffic Control Plans			10			50	62				122	\$23,244.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Subtotal:													\$128,322.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Escalation @ 0%:													\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Other Direct Costs (ODCs):													\$0.00
Mileage for Field Visits													
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Total:													\$128,322.00

Exhibit C-3 | Schedule of Compensation

BKF

Fee Proposal for Extra Work Request No 5

Engineering Services for Brine Line Design

Task	Description	Principal	QA/QC	Project Manager	Sr Project Manager	Engineering Manager	Sr Project Engineer	Design Engineer	Survey PM	Party Chief	Chain Person	Total Hours	Budget per Task
	Fully Burdened Labor Rate:	\$288.00	\$268.00	\$260.00	\$253.00	\$228.00	\$212.00	\$162.00	\$247.00	\$212.00	\$136.00		
Task 12 - Prepare Final PS&E Package													
12.1	Final Construction Documents		4	6	9	12	12	24				67	\$14,077.00
Task 12 - Prepare Final PS&E Package Subtotal:												67	\$14,077.00
Task 12 - Prepare Final PS&E Package Escalation @ 0%:													\$0.00
Task 12 - Prepare Final PS&E Package Other Direct Costs (ODCs):													\$0.00
													\$0.00
Task 12 - Prepare Final PS&E Package Total:													\$14,077.00
Task 13 - Contract Bid Documents (Ready to List)													
13.2	Bidder Q&A and Addenda			8	16	24		8				56	\$12,896.00
Task 13 - Contract Bid Documents (Ready to List) Subtotal:												56	\$12,896.00
Task 13 - Contract Bid Documents (Ready to List) Escalation @ 0%:													\$0.00
Task 13 - Contract Bid Documents (Ready to List) Other Direct Costs (ODCs):													\$0.00
													\$0.00
Task 13 - Contract Bid Documents (Ready to List) Total:													\$12,896.00
												BKF Total:	\$220,465.00

Bennett Trenchless (BKF Subconsultant)
Fee Proposal for Extra Work Request No 5
Engineering Services for Brine Line Design

Task	Description	Lump Sum										Total Hours	Budget per Task
Fully Burdened Labor Rate:													
Task 1 - Project Management													
1.7	Project Management	\$6,336.00											\$6,336.00
Task 1 - Project Management Subtotal:													\$6,336.00
Task 1 - Project Management Escalation @ 0%:													\$0.00
Task 1 - Project Management Other Direct Costs (ODCs):													\$1,400.00
	Mileage for Field Visits and other ODCs												\$1,400.00
Task 1 - Project Management Total:													\$7,736.00

Task 2 - Prepare Base Maps and Plan Sheets													
2.2.4	Topographic Survey												\$0.00
Task 2 - Prepare Base Maps and Plan Sheets Subtotal:													\$0.00
Task 2 - Prepare Base Maps and Plan Sheets Escalation @ 0%:													\$0.00
Task 2 - Prepare Base Maps and Plan Sheets Other Direct Costs (ODCs):													\$100.00
	Mileage for Field Visits and other ODCs												\$100.00
Task 2 - Prepare Base Maps and Plan Sheets Total:													\$100.00

Task 8 - Prepare Plans, Specifications, and Estimates (PS&E)													
8.0	Design Development and Trenchless Design (30% Design)	\$44,638.00											\$44,638.00
8.1	60% Design Submittal	\$30,184.00											\$30,184.00
8.2	90% Design Submittal	\$30,185.00											\$30,185.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Subtotal:													\$105,007.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Escalation @ 0%:													\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Other Direct Costs (ODCs):													\$250.00
	Mileage for Field Visits and other ODCs												\$250.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Total:													\$105,257.00

Task 12 - Prepare Final PS&E Package													
12.1	Final Construction Documents	\$35,442.00											\$35,442.00
Task 12 - Prepare Final PS&E Package Subtotal:													\$35,442.00
Task 12 - Prepare Final PS&E Package Escalation @ 0%:													\$0.00
Task 12 - Prepare Final PS&E Package Other Direct Costs (ODCs):													\$50.00
	Mileage for Field Visits and other ODCs												\$50.00
Task 12 - Prepare Final PS&E Package Total:													\$35,492.00

Bennett Trenchless (BKF Subconsultant)
Fee Proposal for Extra Work Request No 5
Engineering Services for Brine Line Design

Task	Description	Lump Sum										Total Hours	Budget per Task
Task 13 - Contract Bid Documents (Ready to List)													
13.2	Bidder Q&A and Addenda	\$0.00											\$0.00
Task 13 - Contract Bid Documents (Ready to List) Subtotal:													\$0.00
Task 13 - Contract Bid Documents (Ready to List) Escalation @ 0%:													\$0.00
Task 13 - Contract Bid Documents (Ready to List) Other Direct Costs (ODCs):													\$100.00
	Mileage for Field Visits and other ODCs												\$100.00
Task 13 - Contract Bid Documents (Ready to List) Total:													\$100.00
												Bennett Total:	\$148,685.00

BKF

Fee Proposal for Extra Work Request No 5

Engineering Services for Additional Bike Path Design

Task	Description	Associate Principal	Senior Project Manager	Sr Project Engineer	Project Eng/ Survey	Design Eng/ Staff Survey	Survey Party Chief	Survey Chainman	Project coordinator	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$260.00	\$253.00	\$212.00	\$186.00	\$162.00	\$212.00	\$136.00	\$135.00		
Task 1 - Project Management											
1.1	Monthly Invoicing and Progress Reporting	8		8					12	28	\$5,396.00
1.2	Coordination and Meeting	16		16	8					40	\$9,040.00
Task 1 - Project Management Subtotal:										68	\$14,436.00
Task 1 - Project Management Escalation @ 0%:											\$0.00
Task 1 - Project Management Other Direct Costs (ODCs):											\$100.00
	Mileage for Field Visits										\$100.00
Task 1 - Project Management Total:											\$14,536.00

Task 2 - Prepare Base Maps and Plan Sheets											
2.3.1	Utility Coordination	2	4	8	8	4				26	\$5,364.00
2.3.2	Pothole Coordination		4	8	16	16				44	\$8,276.00
2.3.3	Survey		6		8	16	20	20		70	\$12,558.00
Task 2 - Prepare Base Maps and Plan Sheets Subtotal:										140	\$26,198.00
Task 2 - Prepare Base Maps and Plan Sheets Escalation @ 0%:											\$0.00
Task 2 - Prepare Base Maps and Plan Sheets Other Direct Costs (ODCs):											\$62,290.00
	ODC No. 5 - Potholing (C Below - 9 Days)										\$75,290.00
	ODC No. 5 - Credit for Current Potholing Budget (2 Days)										-\$13,000.00
Task 2 - Prepare Base Maps and Plan Sheets Total:											\$88,488.00

Task 8 - Prepare Plans, Specifications, and Estimates (PS&E)											
8.2	95% PS&E										
8.2.1	Plans										\$0.00
8.2.1.1	General Notes			1	1	3				5	\$884.00
8.2.1.2	Key Map			1	1	3				5	\$884.00
8.2.1.3	Typical Sections			1	2	4				7	\$1,232.00
8.2.1.4	Horizontal Control			1	2	6				9	\$1,556.00
8.2.1.5	Demolition			2	4	8				14	\$2,464.00
8.2.1.6	Plan and Profile		4	14	18	30				66	\$12,188.00
8.2.1.7	Details		4	16	20	36				76	\$13,956.00
8.2.1.8	Contour Grading			4	12	20				36	\$6,320.00
8.2.1.9	Composite Utility			2	6	12				20	\$3,484.00
8.2.1.10	Drainage			8	12	16				36	\$6,520.00
8.2.1.11	Stage Construction			4	6	16				26	\$4,556.00
8.2.1.12	Traffic Handling			4	6	16				26	\$4,556.00
8.2.1.13	Signing and Striping			2	4	12				18	\$3,112.00
8.2.1.14	QC	4	16							20	\$5,088.00
8.2.3	Cost Estimate	2	2	4	8	24				40	\$7,250.00
8.3	100% PS&E										

Exhibit C-3 | Schedule of Compensation

BKF

Fee Proposal for Extra Work Request No 5

Engineering Services for Additional Bike Path Design

Task	Description	Associate Principal	Senior Project Manager	Sr Project Engineer	Project Eng/ Survey	Design Eng/ Staff Survey	Survey Party Chief	Survey Chainman	Project coordinator	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$260.00	\$253.00	\$212.00	\$186.00	\$162.00	\$212.00	\$136.00	\$135.00		
8.3.1	Plans		8	30	48	60			4	150	\$27,572.00
8.3.3	Cost Estimate		2	2	4	8				16	\$2,970.00
8.3.5	QC	4	12							16	\$4,076.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Subtotal:											\$108,668.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Escalation @ 0%:											\$0.00
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 8 - Prepare Plans, Specifications, and Estimates (PS&E) Total:											\$108,668.00

Task 12 - Prepare Final PS&E Package											
12.1	Final PS&E										
12.1.1	Plans		4	16	24	32			4	80	\$14,592.00
12.1.3	Cost Estimate		2	2	4	8				16	\$2,970.00
12.2	Independent Constructability Review	2	8							10	\$2,544.00
Task 12 - Prepare Final PS&E Package Subtotal:											\$20,106.00
Task 12 - Prepare Final PS&E Package Escalation @ 0%:											\$0.00
Task 12 - Prepare Final PS&E Package Other Direct Costs (ODCs):											\$0.00
											\$0.00
Task 12 - Prepare Final PS&E Package Total:											\$20,106.00

										BKF Total:	\$231,798.00
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Stantec

Fee Proposal for Extra Work Request No 5

Engineering Services for Additional Street Lighting and Traffic Signal

Task	Description	Principal Traffic/Design	Principle Transportation Engineer	Sr. Traffic Engineer	Senior Transportation Planner	Assistant Engineer	Lighting Designer			Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$256.00	\$265.00	\$209.00	\$209.00	\$173.00	\$198.00				
Task 5 - Traffic Analysis											
5.1	Meetings	8	8							16	\$4,168.00
5.4	Traffic Analysis	4	4		4	4				16	\$3,612.00
5.5	Technical Report (memo)	4			8	4				16	\$3,388.00
Task 5 - Traffic Analysis Subtotal:										48	\$11,168.00
Task 5 - Traffic Analysis Escalation @ 0%:											\$0.00
Task 5 - Traffic Analysis Other Direct Costs (ODCs):											\$0.00
	Mileage for Field Visits										
Task 5 - Traffic Analysis Total:											\$11,168.00

Task 12 - Prepare Final PS&E Package											
12.1	Final PS&E										
12.1.1	Plans	19	9	26		18	140			212	\$43,517.00
12.1.2	Specifications		4	13						17	\$3,777.00
12.1.3	Cost Estimate		1	6						7	\$1,519.00
Task 12 - Prepare Final PS&E Package Subtotal:										236	\$48,813.00
Task 12 - Prepare Final PS&E Package Escalation @ 0%:											\$0.00
Task 12 - Prepare Final PS&E Package Other Direct Costs (ODCs):											\$0.00
											\$0.00
Task 12 - Prepare Final PS&E Package Total:											\$48,813.00

										Stantec Total:	\$59,981.00
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RVA

Fee Proposal for Extra Work Request No 5

Various Environmental Services

Task	Description	Environmental Director	QAQC Manager	Project Manager	Senior Environmental Planner	Environmental Planner	Senior Biologist	Biologist	GIS Mapping	Admin	Total Hours	Budget per Task
Fully Burdened Labor Rate:		\$274.00	\$255.00	\$229.00	\$202.00	\$169.00	\$174.00	\$151.00	\$146.00	\$113.00		
Task 7 - Environmental Documentation												
7.3	Draft and Final CEQA Initial Study / MND / EIR											
7.3.1	Update Draft EIR		6		4	6			16	1	33	\$5,801.00
7.3.2	Update Cultural Resources Report		2		1	4			2	1	10	\$1,793.00
7.3.3	Update Biological Technical Report		2			2	2		12	1	19	\$3,061.00
7.3.4	Update Jurisdictional Delineation Report		2			2	2		8	1	15	\$2,477.00
7.7	Biological Construction Monitoring (Geotechnical Borings)											
7.7.1	Pre-Construction Nesting Survey	2					8	24		2	36	\$5,790.00
7.7.2	Biological Construction Monitoring	10					28	200		6	244	\$38,490.00
7.7.3	Cultural Resources Management Plan	2			4	30					36	\$6,426.00
7.7.4	Cultural Resources Management Plan	2			20	200					222	\$38,388.00
	Reimbursable (mileage)											\$700.00
Task 7 - Environmental Documentation Subtotal:											77	\$102,926.00
Task 7 - Environmental Documentation Escalation @ 0%:												\$0.00
Task 7 - Environmental Documentation Other Direct Costs (ODCs):												\$0.00
Task 7 - Environmental Documentation Total:												\$102,926.00
RVA Total:												\$102,926.00

Q3

Fee Proposal for Extra Work Request No 5

Engineering Services for Updates the Hydrology and Hydraulics Report

Task	Description	QAQC Manager	Project Manager	Project Engineer	Design Engineer	Civil Designer					Total Hours	Budget per Task
	Fully Burdened Labor Rate:	\$226.00	\$220.00	\$185.00	\$165.00	\$146.00						
Task 11 - Hydrology and Hydraulics (H&H) Report												
11.6	Bike Path - Updates to H&H Report		8	8		44					60	\$9,664.00
Task 11 - Hydrology and Hydraulics (H&H) Report Subtotal:											60	\$9,664.00
Task 11 - Hydrology and Hydraulics (H&H) Report Escalation @ 0%:												\$0.00
Task 11 - Hydrology and Hydraulics (H&H) Report Other Direct Costs (ODCs):												\$200.00
	Reimbursable (mileage)											\$200.00
Task 11 - Hydrology and Hydraulics (H&H) Report Total:												\$9,864.00
											Q3 Total:	\$9,864.00