

**AMENDMENT NO. 3
TO THE AGREEMENT BETWEEN THE COUNTY OF
TEHAMA AND CONSOR NORTH AMERICA, INC.
(FORMERLY QUINCY ENGINEERING, INC.)**

The Road Agreement Number 2018-6 dated May 22, 2018 was entered into between the County of Tehama, through its Department of Public Works, (COUNTY) and Consor North America, Inc. (formerly Quincy Engineering, Inc.)("CONSULTANT"), for the purpose of providing Engineering Services related to the Evergreen Road @ South Fork Cottonwood Creek Bridge and which was amended with Amendment No. 1, dated May 19, 2021 (Road Agreement Number 2021-10), and Amendment No. 2, dated December 28, 2022 (Road Agreement Number 2022-26) (Collectively the original agreement and Amendment No. 1 and Amendment No. 2 are referred to as "AGREEMENT").

Pursuant to ARTICLE XIX: CHANGE IN TERMS of the AGREEMENT said agreement is hereby amended as follows:

ARTICLE I INTRODUCTION

A. RESPONSIBILITIES OF CONSULTANT

The work to be performed under this agreement is amended to provide an additional Scope of Work under the updated Rate Schedule, attached hereto (Exhibit "F") and incorporated by reference.

G. COMPENSATION

The compensation to CONSULTANT is amended to provide for an increase in the compensation in the amount of **\$89,550** as shown on "Exhibit F" attached hereto. In no event shall the maximum compensation under this agreement exceed **\$653,167.61**.

ARTICLE II STATEMENT OF WORK

A. CONSULTANT SERVICES

The scope of services is amended to include the additional scope of work, as described in "Exhibit F" attached hereto.

ARTICLE V ALLOWABLE COSTS AND PAYMENTS

- B. The compensation to CONSULTANT for fixed fee is amended to provide for an increase in the amount of **\$4,852.12** as shown on "Exhibit F" attached hereto. The total compensation for fixed fee under this agreement is **\$43,128.56**. The fixed fee is nonadjustable for the term of the agreement, except in the event of

a significant change in the scope of work and such adjustment is made by amendment pursuant to Article XIX.

H. The total amount payable by COUNTY including the fixed fee is amended for an increase in the amount of **\$89,550** and shall not exceed **\$653,167.61**.

All other terms, conditions, and provisions of the AGREEMENT shall remain unchanged.

This AGREEMENT and Amendment No. 3 (collectively referred to as the "Modified Agreement"), constitutes the entire agreement of the parties and supersedes all previous agreements, writings, and oral statements. In the event of any inconsistency or conflict between this Amendment No. 3 and the AGREEMENT, the provisions of this Amendment No. 3 shall prevail over those of the AGREEMENT. This Modified Agreement may not be further modified except in writing signed by both parties pursuant to ARTICLE XIX: CHANGE IN TERMS.

IN WITNESS WHEREOF, COUNTY and CONSULTANT have executed this agreement on the day and year set forth below.

**COUNTY OF TEHAMA
DEPARTMENT OF PUBLIC WORKS**

JAMES N. SIMON
DIRECTOR OF PUBLIC WORKS

Date: _____

CONSULTANT



JASON JURRENS
REGIONAL MANGER
CONSOR NORTH AMERICA, INC.

Date: 4/11/2024

EXHIBIT “F”

AMENDMENT 3

SCOPE OF WORK FOR EVERGREEN ROAD AT SOUTH FORK COTTONWOOD CREEK BRIDGE (BR. NO. 08C0008)

The additional and supplemental work required is described below in accordance with the original contract scope of work. Consor used existing budget with the County's concurrence to have Crawford perform this additional work that was needed to support ongoing construction. This amendment is to cover additional scope performed by Crawford and Consor.

Consor's Scope of Work is as follows:

PHASE 3 - BID ASSISTANCE & CONSTRUCTION SUPPORT

TASK 23 – BIDDING & CONSTRUCTION SUPPORT

TASK 23.7 – Detour, Drainage, and Siphon Design Support

Detour Design Support

The construction contractor has encountered shallow perched groundwater (about 2.5 ft below ground surface) within the proposed roadway alignment for the Evergreen Road Improvement project likely due to the wet winter. Shallow perched groundwater may adversely affect the new pavement sections. The County would like to explore alternative pavement options such as Full Depth Reclamation (FDR)/cement treated base (CTB).

Consor will work with the County and Crawford to determine changes that need to be made to the detour configuration based on the conditions at the site. Additional analysis and changes to the approved plans as needed will be delivered to the County for implementation.

In order to determine the existing soil condition, groundwater depth, pavement alternatives, and cost, Crawford will hand auger and dig test pits along the alignment to collect soil samples of the subgrade soil for laboratory testing. Following R-value testing, Crawford will provide rehabilitation alternatives based on assumed gravel factors (to be confirmed during mix design) for consideration by the County and the Design team.

Crawford will perform the following and prepare a Pavement Design Memorandum for the project:

Crawford will meet with the design team to discuss preliminary design plans, project design needs, issues and schedules. We assume we will not need to obtain a County encroachment permit and mark USA.

To measure groundwater and collect soil samples, Crawford will perform 3 to 6 test pits and 4 to 8 hand augers throughout the project area. A Crawford Engineer/Geologist will direct the sampling.

Following the results of our pavement coring and R-value testing (estimated 2), Crawford will discuss the potential rehabilitation options with the County and design team. Depending on the final

rehabilitation method selected by the design team, Crawford will complete 1 mix design to determine percent cement for the required unconfined compressive strength.

Crawford will prepare a Pavement Design Memo including the following:

- Project description;
- Subsurface conditions;
- Rehabilitation recommendations (depending on existing section and design constraints) of FDR/CTB and/or other alternatives;
- Recommendations for grading and construction, including ground preparation, materials excavation, stability, and placement;
- Risk Management and Limitations;
- Vicinity Map;
- Site Plan with pavement sample.

Deliverables

- Draft Pavement Design Memo
- Final Pavement Design Memo

Assumptions

- The County will waive the encroachment permit fee.
- Traffic control will not be needed.
- Backhoe and operator will be provided by others.

Drainage Design Support

Consor will work with the County to develop additional drainage details as required. This may include revisions to planned drainage features including a potential combined stormwater/irrigation water basin.

Crawford will perform infiltration testing at the project site. Crawford will work with the design team to review the preliminary plans and discuss the project design needs, goals, and schedule.

Crawford assumes the infiltration rate tests will be located 4 ft below existing grade. Crawford will utilize hand auger equipment to excavate three infiltration rate test locations. An engineer or geologist from Crawford will perform the infiltration rate tests in the field using the constant head and/or falling head test method, depending on the type of soil encountered in the field, in an uncased borehole. In general, this method consists of a 4 to 8-inch diameter test hole, 6-inches of coarse gravel at the base of the hole, installation of water feed and observation PVC pipes, and measuring a metered supply of water until the flow rate show four consecutive stable readings.

Crawford will perform a laboratory Grain Size analysis and Plasticity Index tests on representative soil samples obtained from the test borings.

Crawford will prepare a Geotechnical Memorandum containing the following:

- Soil profile summary;
- Laboratory test results;
- Infiltration rates;
- Exploration Map with boring and infiltration rate test locations; and
- Boring logs and laboratory test reports.

Assumptions

- The auger cuttings can be spread onsite;
- Boring locations are accessible by our field staff and drilling equipment;
- Hand augers are feasible

Siphon Design Support

The ACID Siphon when excavated was not in the expected location both vertically and horizontally. Consor will work with the County to make modifications to the RSP as required. This may include revisions to planned RSP details and a cross check of the modeled hydraulics.

Exhibit 10-H1 Cost Proposal Page 1 of 3**Cost-Plus-Fixed Fee or lump sum or Firm Fixed Price contracts**

(Design, Engineering and Environmental Studies)

Note: Mark-ups are Not Allowed

☒ Prime Consultant ☐ Subconsultant ☐ 2nd Tier Subconsultant

Project: BIDDING & CONSTRUCTION SUPPORT - HBP

Consultant: Consor North America, Inc.

Project No. N18T075CA.00

Contract No. 2018-6

Date

3/21/2024

DIRECT LABOR

Classification/Title	Name	Initials	Hours	Actual Hourly Rate	Range	Total
Principal Engineer	Quincy, John	JSQ	0	\$ 106.06	\$80 - \$135	\$ -
Principal Engineer	Jurrens, Jason	JPJ	32	\$ 110.58	\$80 - \$135	\$ 3,538.56
Principal Engineer	McCauley, Scott	SAM	0	\$ 90.58	\$80 - \$135	\$ -
Senior Engineer	Mitchell, Andrew	AKM	0	\$ 78.65	\$55 - \$125	\$ -
Professional Engineer	Panayotov, Krassimir	KNP	120	\$ 72.05	\$45 - \$100	\$ 8,646.00
Engineering Designer	Gutierrez Angel, Hernan	HGA	0	\$ 40.80	\$35 - \$95	\$ -
Senior CAD Designer	Maechler, Bob	BRM	0	\$ 61.94	\$39 - \$75	\$ -
CAD Technician	Kenny, Patrick	PSK	0	\$ 43.58	\$30 - \$65	\$ -
		0	0	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -
Subtotal:			152			\$ 12,184.56

LABOR COSTS

a) Subtotal Direct Labor Costs

\$ 12,184.56

b) Anticipated Salary Increases (see page 2 for calculation)

\$ 304.64

c) **Total Direct Labor Costs [(a) + (b)]** \$ 12,489.20**INDIRECT COSTS**

d) Fringe Benefits (Rate: 39.00%):

e) Total Fringe Benefits [(c) x (d)] \$ 4,870.79

f) Overhead (Rate: 133.80%):

g) Overhead [(c) x (f)] \$ 16,710.55

h) General and Administrative (Rate: 0.00%):

i) Gen & Admin [(c) x (h)] \$ -

j) **Total Indirect Costs [(e) + (g) + (i)]** \$ 21,581.34**FIXED FEE**k) **TOTAL FIXED FEE [(c) + (j)] x fixed fee 10.00%** \$ 3,407.05**l) CONSULTANT'S OTHER DIRECT COSTS (ODC) – ITEMIZE (Add additional pages if necessary)**

Description of Item	Quantity	Unit	Unit Cost	Total
Mileage Costs		Miles	\$ 0.670	\$ -
Per Diem/Hotel		Day	\$ -	\$ -
Equipment Rental and Supplies		EA	\$ -	\$ -
Permit Fees		EA	\$ -	\$ -
Vendor Reproduction				\$ -
Vellum		EA		\$ -
8 1/2 X 11 Reproduction		EA		\$ -
11 X 17 Reproduction		EA		\$ -
Mounting Boards for Presentations		EA		\$ -
Newsletters (Translation and printing)		EA		\$ -
Title Report		EA		\$ -
Miscellaneous	1	EA	\$ 38.61	\$ 38.61

l) **TOTAL OTHER DIRECT COSTS** \$ 38.61**m) SUBCONSULTANTS' COSTS (Add additional pages if necessary)**

Crawford	\$ 24,083.80
0	\$ -
0	\$ -

m) **TOTAL SUBCONSULTANTS' COSTS** \$ 24,083.80n) **Total Other Direct Costs INCLUDING SUBCONSULTANTS [(l)+(m)]** \$ 24,122.41**TOTAL COST [(c) + (j) + (k) + (n)]** \$ 61,600.00**NOTES:**

- Key personnel **must** be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary increases calculation (page 2) must accompany.

Exhibit 10-H1 Cost Proposal Page 2 of 3
Cost-Plus-Fixed Fee or Lump Sum or Firm Fixed Price Contracts
 (Calculations for Anticipated Salary Increases)

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
\$ 12,184.56	152	=	\$80.16	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$80.16	+	5%	=	\$84.17	Year 2 Avg Hourly Rate
Year 2	\$84.17	+	5%	=	\$88.38	Year 3 Avg Hourly Rate
Year 3	\$88.38	+	5%	=	\$92.80	Year 4 Avg Hourly Rate
Year 4	\$92.80	+	5%	=	\$97.44	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	50.00%	*	152	=	76	Estimated Hours Year 1
Year 2	50.00%	*	152	=	76	Estimated Hours Year 2
Year 3	0.00%	*	152	=	0	Estimated Hours Year 3
Year 4	0.00%	*	152	=	0	Estimated Hours Year 4
Year 5	0.00%	*	152	=	0	Estimated Hours Year 5
	Total		Total	=	152	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$80.16	*	76	=	\$6,092.28	Estimated Hours Year 1
Year 2	\$84.17	*	76	=	\$6,396.92	Estimated Hours Year 2
Year 3	\$88.38	*	0	=	\$0.00	Estimated Hours Year 3
Year 4	\$92.80	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$97.44	*	0	=	\$0.00	Estimated Hours Year 5
	Total Direct Labor Cost with Escalation			=	\$12,489.20	
	Direct Labor Subtotal before Escalation			=	\$ 12,184.56	
	Estimated total of Direct Labor Salary Increase			=	\$304.64	Transfer to Page 1

NOTES:

1. This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
2. An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. \$250,000 x 2% x 5 yrs = \$25,000 is not an acceptable methodology)
3. This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
4. Calculations for anticipated salary escalation must be provided.

Exhibit 10-H1 Cost Proposal Page 3 of 3**Certification of Direct Costs:**

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

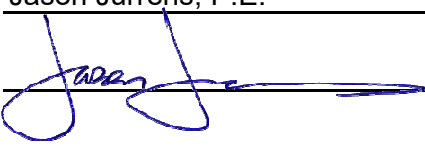
1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. [Title 23 United States Code Section 112 - Letting of Contracts](#)
4. [48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures](#)
5. [23 Code of Federal Regulations Part 172](#) - Procurement, Management, and Administration of Engineering and Design Related Service
6. [48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board \(when applicable\)](#)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Local governments are responsible for applying only cognizant agency approved or Caltrans accepted Indirect Cost Rate(s).

Prime Consultant or Subconsultant Certifying:

Name: Jason Jurrens, P.E. Title *: Regional Manager

Signature :  Date of Certification (mm/dd/yyyy): 3/21/2024

Email: jason.jurrens@consoreng.com Phone Number: 916.368.9181

Address: 11017 Cobblersrock Drive Suite 100 Rancho Cordova, CA 95670

*An individual executive or financial officer of the consultant's or subconsultant's organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Construction Support

EXHIBIT 10-H1 COST PROPOSAL Page 1 of 3
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
 (DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

☐

Prime Consultant

☐

Subconsultant

☒

2nd Tier Subconsultant

Consultant **Crawford & Associates, Inc.**Project No. **17-370.1**Date **6/16/2023**Project Name **Evergreen Road at South Fork Cottonwood Creek Bridge Replacement Project -HBP****DIRECT LABOR**

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Principal *	Benjamin Crawford	4.0	\$67.59	\$ 270.36
Senior Project Manager *	Chris Trumbull	0.0	\$70.39	\$ -
Senior Project Manager *	Eric Nichols	14.0	\$56.81	\$ 795.34
Project Manager	TBD	27.0	\$51.49	\$ 1,390.23
Senior Geologist	TBD	0.0	\$46.52	\$ -
Senior Engineer	TBD	12.0	\$46.52	\$ 558.24
Project Engineer II	TBD	54.0	\$39.38	\$ 2,126.52
Project Engineer I	TBD	10.0	\$36.25	\$ 362.50
Staff Engineer	TBD	8.0	\$31.00	\$ 248.00
Administrative Assistant	TBD	3.0	\$28.50	\$ 85.50
Field Technician (PW) **	TBD	0.0	\$40.63	\$ -
Concrete Technician (PW) **	TBD	0.0	\$37.63	\$ -
Laborer Technician (PW) **	TBD	0.0	\$32.25	\$ -

132

LABOR COSTS

a) Subtotal Direct Labor Costs

\$ 5,836.69

b) Anticipated Salary Increases (see page 2 for calculation)

\$0.00

c) **TOTAL DIRECT LABOR COSTS [(a) + (b)]** \$ 5,836.69**INDIRECT COSTS**

d) Fringe Benefits

Rate: 88.29%

e) Total Fringe Benefits [(c) x (d)] \$ 5,153.21

f) Overhead

Rate: 116.79%

g) Overhead [(c) x (f)] \$ 6,816.67

h) General & Administrative

Rate: 20.00%

i) Gen & Admin [(c) x (h)] \$ 1,167.34

Combined ICR %: 225.08%j) **TOTAL INDIRECT COSTS [(e) + (g) + (i)]** \$ 13,137.22**FIXED FEE**k) **TOTAL FIXED FEE [(c) + (j)] x fixed fee 10%]**

\$ 1,897.39

l) CONSULTANT'S OTHER DIRECT COSTS (ODC) - ITEMIZE (Add additional pages if necessary)

Description of Item	Quantity	Unit	Unit Cost	Total
Mileage (Current IRS Rate)	500	Mile	\$ 0.625	\$ 312.50
Per Diem	2	Day	\$ 150.00	\$ 300.00
Hand Auger	1	Day	\$ 150.00	\$ 150.00
Backfill		Bag	\$ 8.00	\$ -
Infiltration Rate Equipment		Day	\$ 200.00	\$ -
Laboratory Testing	1	Lump Sum	\$ 2,450.00	\$ 2,450.00
				\$ -
				\$ -
				\$ 3,212.50

m) SUBCONSULTANT'S COSTS (Add additional pages if necessary)

Subconsultant 1:	\$ -
Subconsultant 2:	\$ -

m) TOTAL SUBCONSULTANT'S COSTS \$ -n) **TOTAL OTHER DIRECT COSTS INCLUDING SUBCONSULTANTS [(l) + (m)]** \$ 3,212.50**TOTAL COST [(c) + (j) + (k) + (n)]** \$ **24,083.80****NOTES:**

- Key personnel must be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary calculation (page 2) must accompany.

EXHIBIT 10-H1 COST PROPOSAL Page 2 of 3

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
<u>\$5,836.69</u>	<u>132</u>	=	<u>44.22</u>	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$44.22	+	5.0%	=	\$46.43	Year 2 Avg Hourly Rate
Year 2	\$46.43	+	5.0%	=	\$48.75	Year 3 Avg Hourly Rate
Year 3	\$48.75	+	5.0%	=	\$51.19	Year 4 Avg Hourly Rate
Year 4	\$51.19	+	5.0%	=	\$53.75	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	100%	*	132	=	132.00	Estimated Hours Year 1
Year 2	0%	*	132	=	0.00	Estimated Hours Year 2
Year 3	0%	*	132	=	0.00	Estimated Hours Year 3
Year 4	0%	*	132	=	0.00	Estimated Hours Year 4
Year 5	0%	*	132	=	0.00	Estimated Hours Year 5
Total	<u>100%</u>		Total	=	132.00	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$44.22	*	132	=	\$5,836.69	Estimated Hours Year 1
Year 2	\$46.43	*	0	=	\$0.00	Estimated Hours Year 2
Year 3	\$48.75	*	0	=	\$0.00	Estimated Hours Year 3
Year 4	\$51.19	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$53.75	*	0	=	\$0.00	Estimated Hours Year 5
Total Direct Labor Cost with Escalation				=	\$5,836.69	
Direct Labor Subtotal before Escalation				=	\$5,836.69	
Estimated total of Direct Labor Salary Increase				=	<u>\$0.00</u>	Transfer to Page 1

NOTES:

1. This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
2. An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. \$250,000 x 2% x 5 years = \$25,000 is not an acceptable methodology)
3. This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
4. Calculations for anticipated salary escalation must be provided.

EXHIBIT 10-H1 COST PROPOSAL Page 3 of 3

Certification of Direct Costs:

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. Title 23 United States Code Section 112 - Letting of Contracts
4. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
5. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related
6. 48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board (when applicable)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Local governments are responsible for applying only cognizant agency approved or Caltrans accepted In direct Cost Rate(s).

Prime Consultant or Subconsultant Certifying:

Name: Benjamin D. Crawford Title *: President/Principal

Signature :  Date of Certification: 6/16/2023

Email: ben.crawford@crawford-inc.com Phone Number: (916) 455-4225

Address: Crawford & Associates, Inc., 1100 Corporate Way, Suite 230, Sacramento, CA 95831

*An individual executive or financial officer of the consultant's or subconsultant's organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Geotechnical Services Pavement Alternatives

Exhibit 10-H1 Cost Proposal Page 1 of 3**Cost-Plus-Fixed Fee or lump sum or Firm Fixed Price contracts**

(Design, Engineering and Environmental Studies)

Note: Mark-ups are Not Allowed☒ Prime Consultant ☐ Subconsultant ☐ 2nd Tier SubconsultantProject: **BIDDING & CONSTRUCTION SUPPORT - STIP**Consultant: **Consort North America, Inc.**Project No. **N18T075CA.00**Contract No. **2018-6**

Date

3/21/2024**DIRECT LABOR**

Classification/Title	Name	Initials	Hours	Actual Hourly Rate	Range	Total
Principal Engineer	Quincy, John	JSQ	0	\$ 106.06	\$80 - \$135	\$ -
Principal Engineer	Jurrens, Jason	JPJ	8	\$ 110.58	\$80 - \$135	\$ 884.64
Principal Engineer	McCauley, Scott	SAM	0	\$ 90.58	\$80 - \$135	\$ -
Senior Engineer	Mitchell, Andrew	AKM	0	\$ 78.65	\$55 - \$125	\$ -
Professional Engineer	Panayotov, Krassimir	KNP	16	\$ 72.05	\$45 - \$100	\$ 1,152.80
Engineering Designer	Gutierrez Angel, Hernan	HGA	0	\$ 40.80	\$35 - \$95	\$ -
Senior CAD Designer	Macchler, Bob	BRM	0	\$ 61.94	\$39 - \$75	\$ -
CAD Technician	Kenny, Patrick	PSK	0	\$ 43.58	\$30 - \$65	\$ -
		0	0	\$ -	\$ -	\$ -
Subtotal:			24			\$ 2,037.44

LABOR COSTS

a) Subtotal Direct Labor Costs

\$ 2,037.44

b) Anticipated Salary Increases (see page 2 for calculation)

\$ 50.96

c) **Total Direct Labor Costs [(a) + (b)]** \$ 2,088.40**INDIRECT COSTS**

d) Fringe Benefits (Rate: 39.00%):

e) Total Fringe Benefits [(c) x (d)] \$ 814.48

f) Overhead (Rate: 133.80%):

g) Overhead [(c) x (f)] \$ 2,794.28

h) General and Administrative (Rate: 0.00%):

i) Gen & Admin [(c) x (h)] \$ -

j) **Total Indirect Costs [(e) + (g) + (i)]** \$ 3,608.76**FIXED FEE**k) **TOTAL FIXED FEE [(c) + (j)] x fixed fee 10.00%**

\$ 569.72

l) CONSULTANT'S OTHER DIRECT COSTS (ODC) – ITEMIZE (Add additional pages if necessary)

Description of Item	Quantity	Unit	Unit Cost	Total
Mileage Costs		Miles	\$ 0.670	\$ -
Per Diem/Hotel		Day	\$ -	\$ -
Equipment Rental and Supplies		EA	\$ -	\$ -
Permit Fees		EA	\$ -	\$ -
Vendor Reproduction				\$ -
Vellum		EA		\$ -
8 1/2 X 11 Reproduction		EA		\$ -
11 X 17 Reproduction		EA		\$ -
Mounting Boards for Presentations		EA		\$ -
Newsletters (Translation and printing)		EA		\$ -
Title Report		EA		\$ -
Miscellaneous	1	EA	\$ 90.91	\$ 90.91

l) **TOTAL OTHER DIRECT COSTS** \$ 90.91**m) SUBCONSULTANTS' COSTS (Add additional pages if necessary)**

Crawford	\$ 10,342.22
0	\$ -

m) **TOTAL SUBCONSULTANTS' COSTS**

\$ 10,342.22

n) **Total Other Direct Costs INCLUDING SUBCONSULTANTS [(l)+(m)]**

\$ 10,433.13

TOTAL COST [(c) + (j) + (k) + (n)]

\$ 16,700.00

NOTES:

- Key personnel **must** be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary increases calculation (page 2) must accompany.

Exhibit 10-H1 Cost Proposal Page 2 of 3
Cost-Plus-Fixed Fee or Lump Sum or Firm Fixed Price Contracts
 (Calculations for Anticipated Salary Increases)

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
\$ 2,037.44	24	=	\$84.89	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$84.89	+	5%	=	\$89.14	Year 2 Avg Hourly Rate
Year 2	\$89.14	+	5%	=	\$93.60	Year 3 Avg Hourly Rate
Year 3	\$93.60	+	0%	=	\$93.60	Year 4 Avg Hourly Rate
Year 4	\$93.60	+	0%	=	\$93.60	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	50.00%	*	24	=	12	Estimated Hours Year 1
Year 2	50.00%	*	24	=	12	Estimated Hours Year 2
Year 3	0.00%	*	24	=	0	Estimated Hours Year 3
Year 4	0.00%	*	24	=	0	Estimated Hours Year 4
Year 5	0.00%	*	24	=	0	Estimated Hours Year 5
	Total		Total	=	24	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$84.89	*	12	=	\$1,018.72	Estimated Hours Year 1
Year 2	\$89.14	*	12	=	\$1,069.68	Estimated Hours Year 2
Year 3	\$93.60	*	0	=	\$0.00	Estimated Hours Year 3
Year 4	\$93.60	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$93.60	*	0	=	\$0.00	Estimated Hours Year 5
	Total Direct Labor Cost with Escalation			=	\$2,088.40	
	Direct Labor Subtotal before Escalation			=	\$ 2,037.44	
	Estimated total of Direct Labor Salary Increase			=	\$50.96	Transfer to Page 1

NOTES:

1. This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
2. An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. \$250,000 x 2% x 5 yrs = \$25,000 is not an acceptable methodology)
3. This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
4. Calculations for anticipated salary escalation must be provided.

Exhibit 10-H1 Cost Proposal Page 3 of 3**Certification of Direct Costs:**

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

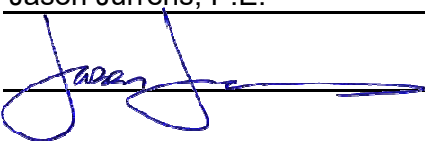
1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. [Title 23 United States Code Section 112 - Letting of Contracts](#)
4. [48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures](#)
5. [23 Code of Federal Regulations Part 172](#) - Procurement, Management, and Administration of Engineering and Design Related Service
6. [48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board \(when applicable\)](#)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Local governments are responsible for applying only cognizant agency approved or Caltrans accepted Indirect Cost Rate(s).

Prime Consultant or Subconsultant Certifying:

Name: Jason Jurrens, P.E. Title *: Regional Manager

Signature :  Date of Certification (mm/dd/yyyy): 3/21/2024

Email: jason.jurrens@consoreng.com Phone Number: 916.368.9181

Address: 11017 Cobblersrock Drive Suite 100 Rancho Cordova, CA 95670

*An individual executive or financial officer of the consultant's or subconsultant's organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Construction Support

Cost Proposal

[illegible]

EXHIBIT 10-H1 COST PROPOSAL Page 1 of 3
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
 (DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

☐

Prime Consultant

☐

Subconsultant

☒

2nd Tier Subconsultant

Consultant Crawford & Associates, Inc.Project No. 17-370.1Date 6/16/2023Project Name Evergreen Road at South Fork Cottonwood Creek Bridge Replacement Project-STIP**DIRECT LABOR**

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Principal *	Benjamin Crawford	1.0	\$67.59	\$ 67.59
Senior Project Manager *	Chris Trumbull	0.0	\$70.39	\$ -
Senior Project Manager *	Eric Nichols	3.0	\$56.81	\$ 170.43
Project Manager	TBD	4.0	\$51.49	\$ 205.96
Senior Geologist	TBD	0.0	\$46.52	\$ -
Senior Engineer	TBD	0.0	\$46.52	\$ -
Project Engineer II	TBD	31.0	\$39.38	\$ 1,220.78
Project Engineer I	TBD	12.0	\$36.25	\$ 435.00
Staff Engineer	TBD	4.0	\$31.00	\$ 124.00
Administrative Assistant	TBD	2.0	\$28.50	\$ 57.00
Field Technician (PW) **	TBD	0.0	\$40.63	\$ -
Concrete Technician (PW) **	TBD	0.0	\$37.63	\$ -
Laborer Technician (PW) **	TBD	0.0	\$32.25	\$ -

57

LABOR COSTS

a) Subtotal Direct Labor Costs

\$ 2,280.76

b) Anticipated Salary Increases (see page 2 for calculation)

\$0.00

c) **TOTAL DIRECT LABOR COSTS [(a) + (b)]** \$ 2,280.76**INDIRECT COSTS**

d) Fringe Benefits

Rate: 88.29%

e) Total Fringe Benefits [(c) x (d)] \$ 2,013.68

f) Overhead

Rate: 116.79%

g) Overhead [(c) x (f)] \$ 2,663.70

h) General & Administrative

Rate: 20.00%

i) Gen & Admin [(c) x (h)] \$ 456.15

Combined ICR %: 225.08%j) **TOTAL INDIRECT COSTS [(e) + (g) + (i)]** \$ 5,133.53**FIXED FEE**k) **TOTAL FIXED FEE [(c) + (j)] x fixed fee** 10%]

\$ 741.43

l) CONSULTANT'S OTHER DIRECT COSTS (ODC) - ITEMIZE (Add additional pages if necessary)

Description of Item	Quantity	Unit	Unit Cost	Total
Mileage (Current IRS Rate)	500	Mile	\$ 0.625	\$ 312.50
Per Diem	2	Day	\$ 150.00	\$ 300.00
Hand Auger	1	Day	\$ 150.00	\$ 150.00
Backfill	3	Bag	\$ 8.00	\$ 24.00
Infiltration Rate Equipment	1	Day	\$ 200.00	\$ 200.00
Laboratory Testing	1	Lump Sum	\$ 1,200.00	\$ 1,200.00
				\$ 2,186.50

m) SUBCONSULTANT'S COSTS (Add additional pages if necessary)

Subconsultant 1:	\$ -
Subconsultant 2:	\$ -

m) TOTAL SUBCONSULTANT'S COSTS \$ -n) **TOTAL OTHER DIRECT COSTS INCLUDING SUBCONSULTANTS [(l) + (m)]** \$ 2,186.50**TOTAL COST [(c) + (j) + (k) + (n)]** \$ **10,342.22****NOTES:**

- Key personnel must be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary calculation (page 2) must accompany.

EXHIBIT 10-H1 COST PROPOSAL Page 2 of 3

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
<u>\$2,280.76</u>	<u>57</u>	=	<u>40.01</u>	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$40.01	+	5.0%	=	\$42.01	Year 2 Avg Hourly Rate
Year 2	\$42.01	+	5.0%	=	\$44.11	Year 3 Avg Hourly Rate
Year 3	\$44.11	+	5.0%	=	\$46.32	Year 4 Avg Hourly Rate
Year 4	\$46.32	+	5.0%	=	\$48.64	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	100%	*	57	=	57.00	Estimated Hours Year 1
Year 2	0%	*	57	=	0.00	Estimated Hours Year 2
Year 3	0%	*	57	=	0.00	Estimated Hours Year 3
Year 4	0%	*	57	=	0.00	Estimated Hours Year 4
Year 5	0%	*	57	=	0.00	Estimated Hours Year 5
Total	<u>100%</u>		Total	=	57.00	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$40.01	*	57	=	2280.76	Estimated Hours Year 1
Year 2	\$42.01	*	0	=	\$0.00	Estimated Hours Year 2
Year 3	\$44.11	*	0	=	\$0.00	Estimated Hours Year 3
Year 4	\$46.32	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$48.64	*	0	=	\$0.00	Estimated Hours Year 5
Total Direct Labor Cost with Escalation				=	\$2,280.76	
Direct Labor Subtotal before Escalation				=	\$2,280.76	
Estimated total of Direct Labor Salary Increase				=	<u>\$0.00</u>	Transfer to Page 1

NOTES:

1. This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
2. An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. \$250,000 x 2% x 5 years = \$25,000 is not an acceptable methodology)
3. This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
4. Calculations for anticipated salary escalation must be provided.

EXHIBIT 10-H1 COST PROPOSAL Page 3 of 3

Certification of Direct Costs:

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. Title 23 United States Code Section 112 - Letting of Contracts
4. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
5. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related
6. 48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board (when applicable)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Local governments are responsible for applying only cognizant agency approved or Caltrans accepted In direct Cost Rate(s).

Prime Consultant or Subconsultant Certifying:

Name: Benjamin D. Crawford Title *: President/Principal

Signature :  Date of Certification: 6/16/2023

Email: ben.crawford@crawford-inc.com Phone Number: (916) 455-4225

Address: Crawford & Associates, Inc., 1100 Corporate Way, Suite 230, Sacramento, CA 95831

*An individual executive or financial officer of the consultant's or subconsultant's organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Geotechnical Services -Infiltration Rate Tests

E-Contract Review
Approval as to Form

Department Name: Public Works

Vendor Name: Consor (formerly Quincy)

Contract Description: For the purpose of engineering design services on the Evergreen
Bridge Replacement Project

APPROVED AS TO FORM:

Date: 4/10/2024



Office of the Tehama County Counsel
Brittany Ziegler, Deputy County Counsel