

FIRST AMENDMENT TO AGREEMENT FOR ENGINEERING CONSULTANT SERVICES

THIS FIRST AMENDMENT TO AGREEMENT FOR ENGINEERING CONSULTANT SERVICES (Agreement No. 13-765, hereinafter called "the AGREEMENT"), is made and entered into this 6th day of November, 2018, by and between the County of Fresno, a political subdivision of the State of California (hereinafter called "the COUNTY"), and Quincy Engineering, Inc., (a California Corporation), 11017 Cobblerock Drive, Suite 100, Rancho Cordova, CA 95670 (hereinafter called "the CONSULTANT").

RECITALS

WHEREAS, the CONSULTANT has been selected to prepare Plans, Specifications, Engineer's Estimate, and to provide other engineering and environmental services required for the design and California Environmental Quality Act and National Environmental Policy Act approval of the Italian Bar Road Bridge over Redinger Lake, hereinafter referred to as "the PROJECT"; and

WHEREAS, the CONSULTANT has been selected in accordance with the COUNTY's Ordinance Code Chapter 4.10 on the selection of architects, engineers, and other professionals to provide the engineering services necessary for the PROJECT.

WHEREAS, the AGREEMENT has been extended twice in writing and is currently set to expire by its terms on December 10, 2018; and

WHEREAS, the PROJECT is not yet complete; and

WHEREAS, the PROJECT requires additional funding to be completed; and

WHEREAS, it is in the best interest of the COUNTY to retain the services of the CONSULTANT to maintain continuity of the design of the PROJECT; and

NOW, THEREFORE, the CONSULTANT and the COUNTY hereby agree to amend the AGREEMENT for the PROJECT as follows:

1. Article IV, Section A of the AGREEMENT is hereby deleted and replaced with the following:

"A. This First Amendment to the AGREEMENT shall go into effect immediately upon execution by the COUNTY. As hereby amended, the term of the AGREEMENT is hereby

1 further extended by an additional three years and therefore shall expire on December 10, 2021,
2 unless prior to its expiration the term of the AGREEMENT is further extended in writing, for no
3 more than two additional one-year terms, by mutual consent of the Department of Public Works
4 and Planning Director or designee and the CONSULTANT."

5 2. Article I, Section C of the AGREEMENT is hereby deleted and replaced with the
6 following:

7 "C. The Contract Manager for the COUNTY is Joseph Harrell, Senior Engineer,
8 whose contact information is 2220 Tulare Street, Suite 600, Fresno, CA, 93721, 559-600-4534,
9 jharrell@fresnocountyca.gov. From time to time as may be necessary, other COUNTY staff may
10 act in the place of the COUNTY's Contract Manager and exercise all of the responsibilities
11 afforded thereto. The Project Manager for the CONSULTANT will be notified of any changes in
12 the COUNTY's Contract Manager. The Project Manager for the CONSULTANT will be Mark
13 Reno, P.E.; whose contact information is 11017 Cobblersrock Drive, Suite 100, Rancho Cordova,
14 CA 95670, 916-368-9181, markr@quincyeng.com."

15 3. Article V, Section D of the AGREEMENT is hereby deleted and replaced with the
16 following:

17 "D. The Total not-to-exceed amount for the AGREEMENT is \$1,458,783."

18 4. Additional work to be performed under the Amendment to the AGREEMENT is
19 detailed in Exhibit A-1, attached hereto and incorporated into Exhibit A of the AGREEMENT.

20 5. Additional fees to be paid to the CONSULTANT for the additional work is detailed
21 in Exhibit E-1, attached hereto and incorporated into Exhibit E of the ARGEEMENT.

22 6. All other terms and conditions contained in the AGREEMENT are unaffected by
23 this First Amendment to the AGREEMENT and shall remain in full force and effect.

24 ///

25 ///

26 ///

27 ///

28 ///

1
2 IN WITNESS WHEREOF, the parties have executed this First Amendment to Agreement on
3 the date first set forth above.

4 **CONTRACTOR AND/OR CONSULTANT**

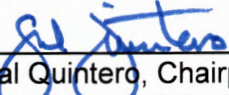
COUNTY OF FRESNO

5 Quincy Engineering, Inc.,

6
7 
(Authorized Signature)
8 John S. Quincy, President
9 Print Name and Title

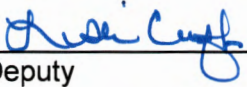
10
11 11017 Cobblersrock Drive, Suite 100

12 Rancho Cordova, CA 95670


Sal Quintero, Chairperson of the Board of
Supervisors of the County of Fresno

ATTEST:

Bernice E. Seidel
Clerk of the Board of Supervisors
County of Fresno, State of California

By 
Deputy

13
14
15
16
17
18
19
20 **FOR ACCOUNTING USE ONLY**

21 ORG No 4510
22 Account No. 7295
23 Fund No. 0010
24 Subclass No. 11000
25
26
27



June 1, 2018

SCOPE OF WORK

Quincy Engineering, Inc. (Quincy) provides this Scope of Work to Amend our existing Contract with the County of Fresno, Department of Public Works and Planning (County). This additional scope of work is required based on recommendations from Caltrans Department of Structures Local Assistance (SLA) to provide additional geotechnical borings at each support location of the planned replacement bridge on Italian Bar Road over Redinger Lake (Bridge No. 42C0678). This project is Federally Funded through the Highway Bridge Program (HBP) with Federal Aid No. BRLO-5942(214).

The scope of work provided below will provide the County with the Engineering Services required to provide the additional borings and incorporate the additional information into the Project plans and Specifications which Caltrans is requesting. This will also provide for development of the revegetation plan as requested by the California Department of Fish and Wildlife Service (CDFW). Services include Project Management, Geotechnical Services, Permitting, Development of Revegetation Plan and Engineering Services. Depending upon the additional boring data, the project Plans, Specifications and Estimate may need to be revised prior to Contract Bid.

TASK 1: PROJECT MANAGEMENT

Task 1.3: Project Management

Quincy will provide additional Project Management tasks which include coordination with the County, Team management, product development tracking, Team and stakeholder communication, and project progress and budget reporting. Quincy will update, develop, track, and lead the following project management tasks:

- Critical Path Schedule Updates;
- Monthly Invoices, Progress Reports, and Look-Ahead Summaries;
- Provide the County with HBP paperwork assistance and facilitation; and
- Prepare all submissions for the County to submit to Caltrans Local Assistance

Task 1.3.1: Additional Project Review Meetings

Quincy will lead project meetings:

- One PDT teleconference status meeting with County and Caltrans;
- Meeting Agenda, summary, and Action Item Summary/Tracking;

Subconsultants will participate in Project Team Meetings as needed by teleconference when appropriate.

Task 1.3.2: Additional Engineering Support of Geotechnical and Permitting Tasks

Quincy will provide support services to Kleinfelder and AWE in their efforts to obtain the permitting and performance of additional geotechnical borings.

Task 1.3.3: Additional HBP Paperwork Assistance

Quincy will assist the County with HBP paperwork as needed. It is anticipated that a Revised LAPM 6D Form (and supporting forms) will be required because of the anticipated change in scope and cost associated with the additional geotechnical drilling. The estimated construction cost will also increase because of the yearly escalation.

**Task 1 Deliverables:**

- ✓ Schedule Updates, Monthly Invoicing, Progress Reports, PDT Teleconference Meeting
- ✓ HBP Paperwork, Submittal Preparation

TASK 3: GEOTECHNICAL INVESTIGATIONS & FOUNDATION REPORT**Task 3.3: Bridge Foundation Report (Additional Borings)****GENERAL INFORMATION**

This proposal is based on conversations and emails with representatives from Quincy Engineering and a prior initial site assessment. The project involves the replacement of the bridge on Italian Bar Road spanning the San Joaquin River. The bridge will be supported on drilled piers with rock sockets. Caltrans Local Assistance and Division of Structures has requested additional subsurface investigation at the bent and abutment locations on the north end of the proposed Italian Bar Road Bridge. One (1) boring is required at the bent location and two (2) borings are required at the abutment to estimate the rock profile across the bent foundation.

The work is planned to occur in September/October 2018. The additional borings are assumed to be drilled in one the of the following conditions:

1. Dry conditions at the abutment and bent location when the lake is down.
2. Submerged conditions at both the abutment and bent locations when the lake is full. Assumes the use of a barge requiring a minimum of 3 feet draft for operation.
3. A combination of dry and submerged conditions, where the abutment is in the dry and the bent location is submerged. The drilling operation in the dry requires sufficient area to work, which assumes the water level would be a minimum of 3 feet below the ground elevation at the abutment. This also assumes the use of a barge requiring a minimum of 3 feet draft for operation at the bent location.

Pre-Drilling Activities

Kleinfelder will mark the site with white paint and notify Underground Service Alert (USA) of the planned field exploration program at least 48 hours in advance of drilling the proposed borings. A project and task-specific Health and Safety Plan will be prepared for the proposed field exploration program. The plan will be discussed each day before drilling activities begin and with each person entering the site during the drilling operation.

Field Observation/Investigation

Kleinfelder proposes to explore the subsurface conditions at the site by drilling a total of three (3) exploratory test borings at the anticipated support locations. The borings are proposed to extend to forty (40) feet below existing ground surface. It is anticipated that this depth of exploration will consist of about twenty-five (25) feet of soil/cobble followed by fifteen (15) feet of rock core. Consistent with normal procedures, the final depths will be dependent on the characteristics of the rock encountered. An engineer from our firm will maintain logs of the soils and rock encountered and obtain samples for visual examination, classification, and laboratory testing.

There are two plans for executing the field exploration. The first is to lower or pack an all-terrain drill rig to the abutment and bent locations during the San Joaquin River's dry season. Depending, on the lake/river level, it may be necessary to utilize a barge to support a drill rig and float over the drill location proposed at



the bent location. For this option, a minimum of 2 feet of water over the drill location is required to float the barge. The costs associated with these approaches is summarized in this proposal.

Laboratory Tests

Laboratory tests will be performed on selected samples retrieved from the exploratory borings to evaluate certain characteristics of the foundation materials encountered. Tests presently anticipated include but may not be limited to: unconfined compressive strength of rock. The actual number and type of tests performed will be based on the soil/rock conditions encountered.

Analysis and Report Preparation

Results of the field explorations, laboratory testing, and engineering analyses will be summarized in the revised Foundation Report including a discussion of the subsurface soils and rock conditions encountered in the additional borings, bedrock elevations, revised pile data table indicating the pile tip elevations.

Under no circumstances will we provide a copy of the reports to other design consultants or contractors without written permission from our client. Information gathered by Kleinfelder will be considered confidential and will be disclosed to third parties only upon the client's written authorization or as required by law. California state law requires Kleinfelder to inform the appropriate government agencies if a situation is encountered, which may immediately endanger the public's health or welfare and/or the environment.

CONDITIONS

We require the right of entry to conduct the investigation. This proposal is based on the presumption that you will provide any and all current available utility data. Kleinfelder will provide notification to Underground Service Alert, as required by law to help locate existing utilities. The client should be aware that penetrating the site's surface is inherently risky. It is impossible to determine with certainty the precise location of all structures that may be buried in the ground. Kleinfelder's fee is not adequate to compensate for both the performance of the services and the assumption of risk of damage to such structures. With proper USA notification, disruption of utilities or damage to underground structures will be the responsibility of the utility owner. Services rendered by Kleinfelder to repair them will be billed at cost.

Task 3 Deliverables:

- ✓ Revised Final Foundation Report
- ✓ Revised Log of Test Borings (LOTB) sheets

TASK 6: ENVIRONMENTAL

Task 6.7: Permitting Assistance - Geotechnical Investigations

AWE will prepare permit applications for the Geotechnical testing. This scope of work assumes that Quincy Engineering, Inc. (QEI) and/or Kleinfelder will provide a detailed description of the methods to be used, including equipment type and size, quantities of extraction and fill, and timing and duration of activities. AWE will work with QEI and Kleinfelder to guide the development of the details required by CDFW for their permit. Also, if other permits or approvals are required (e.g., County well permit, Forest Service permit or authorization), QEI will complete those applications separately.

U.S. Army Corps of Engineers Clean Water Act Section 404 Nationwide Permit 6. The proposed activities qualify for coverage under the Corps' Nationwide Permit (NWP) 6 for Survey Activities with less than 1/10-acre disturbance in compliance with General and Regional Conditions. Nationwide Permit 6 does not require a Pre-construction Notification. This scope of work assumes that the area of disturbance for the



geotechnical testing will be less than 1/10-acre and will qualify for non-reporting NWP 6. Therefore, no application to the Corps will be needed.

Regional Water Quality Control Board (RWQCB) Clean Water Act Section 401 Notice of Intent. Since the geotechnical testing will qualify under NWP 6, the activities are covered under a Section 401 General Order as a Certified Nationwide Permit, which is still subject to conditions and notification. As required by the State Water Resources Control Board, AWE will complete and submit a Notice of Intent (NOI), including an application fee (\$1,500), to the Central Valley RWQCB.

California Department of Fish and Wildlife Section 1602 Lake or Streambed Alteration Agreement. AWE will prepare a Notification of Lake or Streambed Alteration for submittal to the California Department of Fish and Wildlife (CDFW). Based on our recent experiences with CDFW Region 4 LSAA department on the Italian Bar Bridge and other projects, CDFW will request detailed plans and specifications for the geotechnical work. AWE, QEI, and Kleinfelder will work together to describe the testing effort in detail. AWE will prepare and submit the LSAA Notification and associated application fee (estimated as \$2,200) to CDFW.

Permitting Assistance for Construction Services – CDFW Revegetation Plan. During the permitting phase coordination with CDFW, it was determined that a formal Revegetation Plan will be required to be submitted prior to approval and issuance of the Streambed Alteration Agreement. To address replanting obligations for the Project and meet the CDFW requirement for a replanting plan, AWE will prepare a Revegetation Plan. The Replanting Plan will present an analysis of expected impacts on trees and shrubs from project activities; species and size of trees assumed to be removed will be identified. The Replanting Plan will propose a compensation ratio for removed trees and will provide a written description of the methods and materials to be used for planting, including the species of plants, irrigation details, and weed control methods. The plan will also describe monitoring methods, success criteria, and contingency actions. AWE will prepare a Draft Revegetation Plan and submit the draft to Quincy Engineering for review. After incorporating Quincy Engineering comments, AWE will submit the Revegetation Plan to the County for review. After receiving any comments from the County, AWE will submit the Revegetation Plan to the CDFW to use in issuing a Lake or Streambed Alteration Agreement for the Project.

Task 6 Deliverables:

- ✓ Draft and Final Revegetation Plan
- ✓ Draft and Final from CDFW application
- ✓ LSAA Permit Filing Fee (Approx. \$2,200)

TASK 7: FINAL DESIGN & DETAILING

Task 7.1: Revise Bridge Design

The bridge foundation design will be updated based on the results of the geotechnical borings. Quincy will verify validity of existing bridge design calculations compared to the data obtained in the additional borings. Quincy will update bridge design calculations as necessary at Abutment 3 and Pier 2 Cast-in-Drilled-Hole concrete piles.

Task 7.6: Revise Independent Design Check

After the Bridge Design and Plans have been updated, the Independent Design Check will be revised to verify that updated information is correct. The designer and checker will come to agreement on any discrepancies in the revised design.

**Task 7.8: Quantity and Engineer's Estimate Revisions**

Quincy will update the project Quantities and Engineer's Estimate of Construction costs based on the results of the additional borings and updated plans. Quincy will update and revise Project Specifications as necessary based upon new geotechnical information. Quincy will also perform additional QA/QC on revised plans, specifications and estimate.

Task 7.9: Re-Submittal of Final PS&E

Quincy will update the project plans based on the results of the additional geotechnical borings and updated design calculations. Quincy will re-submit a revised Final PS&E package.

The final PS&E Re-Submittal will include:

Task 7 Deliverables:

- ✓ Revised Bridge Design Calculations and Independent Design Check Calculations (1 copy, PDF)
- ✓ Revised Final Plans, (6-copies 11"x17" electronic copy AutoCAD Civil3d/PDF, 1 Vellum Set)
- ✓ Revised Project Specifications, (8½x11 electronic copy PDF, MS Word format)
- Revised Engineer's Estimate (Electronic Copy MS Excel/PDF Format)

Cost Proposal

San Joaquin River Bridge on Italian Bar Road Bridge Replacement Project

Additional Geotechnical Exploration Federal Project No. BRLO05942(214)

Date: 6/1/2018

Quincy Engineering, Inc.

Direct Labor:	\$7,413.40
Estimated Salary Increases for Multi-Year Project	\$0.00
Subtotal	\$7,413.40
Overhead (1.794):	\$13,299.64
A. Labor Subtotal	\$20,713.04

Subconsultant Costs:

Kleinfelder	\$79,355.00
Area West Environmental, Inc.	\$19,643.06
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
B. Subconsultant Subtotal	\$98,998.06

Other Direct Costs:

Travel (@ active IRS mileage rate)	0 miles @	\$0.545	\$0.00
Pier Diem/ Hotel	0 days @	\$150.00	\$0.00
Delivery	0 @	\$20.00	\$0.00
Vendor Reproduction			
	Vellum	@	\$0.00
	8 1/2 X 11 Reproduction	@	\$0.00
	11 X 17 Reproduction	@	\$0.00
	Mounting Boards for Presentations	@	\$0.00
	Newsletters (Translation and printing)	@	\$0.00
	Subtotal Vendor Reproduction		\$0.00
Title Report	@		\$0.00
Miscellaneous			
C. Other Direct Cost Subtotal:			\$0.00

Labor Subtotal A. =	\$20,713.04
Fixed Fee (10.0%):	\$2,071.30
Subconsultant Subtotal B. =	\$98,998.06
Fixed Fee (0.0%):	\$0.00
Other Direct Cost Subtotal: C. =	\$0.00
Fixed Fee (0.0%):	\$0.00

TOTAL = \$121,782.40

Note: Invoices will be based upon actual QEI hourly rates plus overhead at 179.4% plus prorated portion of fixed fee. Subconsultant and Direct Costs will be billed at actual cost. The overhead rate (ICR) shall remain fixed for the contract duration or until both parties agree to modify the rate in writing.

Cost Proposal

Project Number: F07-300Project Name: San Joaquin River Bridge on Italian Bar Road Bridge Replacement Proj																									
TASKS										Quincy Total Hours	Quincy Total Labor Dollars	Quincy Labor	Quincy Profit	Quincy NLF Budget	Kleinfelder	Area West Environmental, Inc.									Subconsultant Subtotal
											Direct Labor	Labor+OH Multiplier	Fee Multiplier	Actual Labor Multiplier											
No.	Initial Hourly Rate	MR	RF	GY	RS	JO	EM	BM	PK																
Additional Geotechnical Exploration												2.794	10%	3.073											
1	Project Management	8								8	\$688	\$1,922	\$192.23	\$2,114											\$0
1.3.1	Meetings	4	4							8	\$571	\$1,596	\$159.59	\$1,756											\$0
1.3.2	Support Geotech and Permitting		16							16	\$909	\$2,539	\$253.92	\$2,793											\$0
1.3.3	HBP Paperwork	4								4	\$344	\$961	\$96.11	\$1,057											\$0
3	Geotechnical Investigations									0	\$0	\$0	\$0.00	\$0	\$79,355										\$79,355
6.7	Environmental/ Permitting Assistance									0	\$0	\$0	\$0.00	\$0		\$19,643									\$19,643
7.1	Revise Bridge Design		16							16	\$909	\$2,539	\$253.92	\$2,793											\$0
7.6	Revise Independent Design Check			12						12	\$812	\$2,270	\$226.98	\$2,497											\$0
7.8	Quantity and Estimate Revisions		8	4	4	2	4			22	\$1,365	\$3,813	\$381.27	\$4,194											\$0
7.9	Resubmit Final PSE	4	8				8	4	16	40	\$1,816	\$5,073	\$507.28	\$5,580											\$0
										0	\$0	\$0	\$0.00	\$0											\$0
										0	\$0	\$0	\$0.00	\$0											\$0
											\$0														\$0
											\$0														\$0
	Subtotal- Hours	20	52	16	4	2	12	4	16	126	\$7,413.40	\$20,713.04	\$2,071.30	\$22,784.34											0
	Estimated Salary Increases for Multi-Year Project										\$0.00	\$0.00	\$0.00	\$0.00											
	Other Direct Costs													\$0.00											0
	Total Cost	\$1,720	\$2,954	\$1,083	\$288	\$156	\$586	\$188	\$438	\$7,413	\$7,413	\$20,713	\$2,071	\$22,784	\$79,355	\$19,643	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$98,998

Exhibit 10-H1 Cost Proposal
Actual Cost-Plus-Fixed Fee Contracts☒ Prime Consultant ☐ SubconsultantConsultant Quincy Engineering, Inc.Project Name San Joaquin River Bridge on Italian Bar Road Bridge Replacement ProjectProject No. F07-300Contract No. 13-765Date 6/1/2018

DIRECT LABOR

Classification/Title	Name	Initials	Range	Hours	Initial Hourly Rate	Total
Principal Eng. *	Mark Reno	MR	\$70-\$105	20	\$ 86.00	\$ 1,720.00
Senior Eng. *	Robert Ferguson	RF	\$49-\$79	52	\$ 56.80	\$ 2,953.60
Senior Eng.	Greg Young	GY	\$49-\$79	16	\$ 67.70	\$ 1,083.20
Senior Eng.	Rodney Simmons	RS	\$49-\$79	4	\$ 72.00	\$ 288.00
Principal Eng.	Jeff Olson	JO	\$70-\$105	2	\$ 78.10	\$ 156.20
Assist Eng. II	Erin McPherson	EM	\$32-\$55	12	\$ 48.80	\$ 585.60
CAD Manager	Bob Maechler	BM	\$34-\$56	4	\$ 47.10	\$ 188.40
CAD Tech	Patrick Kenney	PK	\$22-\$37	16	\$ 27.40	\$ 438.40
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -
	Blank			0	\$ -	\$ -

126 \$ 7,413.40

LABOR COSTS

- a) Subtotal Direct Labor Costs \$7,413.40
- b) Estimated Salary Increases for Multi-Year Project \$0.00 (see calculation page attached)
- c) **TOTAL DIRECT LABOR COSTS** [(a) + (b)] \$7,413.40

INDIRECT COSTS

- d) Fringe Benefits (Rate: 45.95%): \$3,406.46
- e) Total Fringe Benefits [(c) x (d)] \$3,406.46
- f) Overhead (Rate: 133.5%): \$9,893.18
- g) Overhead [(c) x (f)] \$9,893.18
- h) General Administration (Rate: 0.0%): \$0.00
- i) Gen & Admin [(c) x (h)] \$0.00
- j) **TOTAL INDIRECT COSTS** [(e) + (g) + (i)] \$13,299.64

FIXED FEE

- k) Fixed Fee (10.0%): \$2,071.30
- l) **TOTAL FIXED FEE** [(c) + (j)] x (k) \$2,071.30

CONSULTANT'S OTHER DIRECT COSTS (ODC)

Travel (@ active IRS mileage rate)	0 miles @	\$0.545	\$0.00
Pier Diem/ Hotel	0 days @	\$150.00	\$0.00
Delivery	0 @	\$20.00	\$0.00
Vendor Reproduction			
	Vellum 0 @	\$600.00	\$0.00
	8 1/2 X 11 Reproduction @		\$0.00
	11 X 17 Reproduction @		\$0.00
	Mounting Boards for Presentations @		\$0.00
	Newsletters (Translation and printing) @		\$0.00
	Subtotal Vendor Reproduction		\$0.00
Title Report	0 @	\$0.00	\$0.00
Miscellaneous			\$0.00
	m) TOTAL OTHER DIRECT COSTS	\$0.00	\$0.00

n) SUBCONSULTANT COSTS (attach detailed cost proposal for each subconsultant)

Kleinfelder	\$79,355.00
Area West Environmental, Inc.	\$19,643.06
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
0	\$0.00
	\$98,998.06
	\$98,998.06

o) **TOTAL COST** [(c) + (j) + (l) + (m) + (n)] **\$121,782.40**

NOTES:

- Key personnel marked with an asterisk (*).
- Employees subject to prevailing wage marked with two asterisks (**).
- Anticipated salary increases calculation (Item "b") on attached page.
- Note: Invoices will be based upon actual QEI hourly rates plus overhead at 179.4%

Exhibit 10-H1 Cost Proposal - Foundation Report (FR)

Actual Cost-Plus-Fixed Fee Contracts

☐ Prime Consultant

☒ SubconsultantConsultant **Kleinfelder, Inc**

Project Name Italian Bar Road Bridge - Submerged Conditions - Barge Operation

Project No.

Contract No.	N/A
--------------	-----

Date 5/30/2018

DIRECT LABOR

Classification/Title	Name	Initials	Range	Hours	Initial Hourly Rate	Total
Sr Principal Prof				16	\$ 86.13	\$ 1,378.08
Principal Prof				5	\$ 68.51	\$ 342.55
Staff Proff II				64	\$ 29.35	\$ 1,878.40
Senior CADD Designer				6	\$ 32.25	\$ 193.50
Project Administrator I				2	\$ 24.95	\$ 49.90
				93		\$ 3,842.43

LABOR COSTS

- | | | |
|--|-------------------|---------------------------------|
| a) Subtotal Direct Labor Costs | <u>\$3,842.43</u> | |
| b) Estimated Salary Increases for Multi-Year Project | <u>\$0.00</u> | (see calculation page attached) |
| c) TOTAL DIRECT LABOR COSTS [(a) + (b)] | | \$3,842.43 |

INDIRECT COSTS

- | | | | |
|---|---|------------|------------|
| d) Fringe Benefits (Rate: 61.8%): | e) Total Fringe Benefits [(c) x (d)] | \$2,376.16 | |
| f) -Overhead (Rate: 169.7%): | g) Overhead [(c) x (f)] | | |
| h) General Administration (Rate: 107.8%): | i) Gen & Admin [(c) x (h)] | \$4,143.29 | |
| | j) TOTAL INDIRECT COSTS [(e) + (g) + (i)] | | \$6,519.45 |

FIXED FEE

- | | | | |
|-----------------------|--|--------------------------------------|------------|
| k) Fixed Fee (10.0%): | | l) TOTAL FIXED FEE [(c) + (j)] x (k) | \$1,036.19 |
|-----------------------|--|--------------------------------------|------------|

CONSULTANT'S OTHER DIRECT COSTS (ODC)

Travel (@ active IRS mileage rate)	840	@	\$0.545	\$457.80
Laboratory Testing	1	@	\$560.00	\$560.00
Sampling Supplies	1	@	\$90.00	\$90.00
		@		\$0.00
		@		\$0.00

- | | | |
|-----------------------------|------------|------------|
| m) TOTAL OTHER DIRECT COSTS | \$1,107.80 | \$1,107.80 |
|-----------------------------|------------|------------|

- n) **SUBCONSULTANT COSTS** *(attach detailed cost proposal for each subconsultant)*

Drilling Subcontractor	\$32,500.00	
Sunland Analytical	\$155.00	
	<u>\$32,655.00</u>	\$32,655.00

- | | | |
|---|--|-------------|
| o) TOTAL COST [(c) + (j) + (l) + (m) + (n)] | | \$45,160.87 |
|---|--|-------------|

NOTES:

1. Key personnel marked with an asterisk (*).
2. Employees subject to prevailing wage marked with two asterisks (**).
3. Anticipated salary increases calculation (Item "b") on attached page.

AWE Proposal Cost Estimate
Italian Bar Road - Amendment #2 Permits for Geotechnical Testing

Date: 06/01/18

Upon submission of an invoice by AWE (Contractor), and upon approval of Client's representative, Client shall pay AWE (Contractor) monthly in arrears for fees and expenses incurred the prior month, up to the maximum amount provided for on the Standard Contract. Each invoice will specify services rendered, to whom, date of service and the accrued charges.

Consultant Area West Environmental, Inc.

DIRECT LABOR

Classification	Name	Range	Hours		Initial Hourly Rate	Total
CEQA/NEPA Specialist	Dour-Smith, Aimee	<u>\$35-\$65</u>	48	@	\$ 50.65	<u>\$2,431.20</u>
Project Accountant	Hecox, Ericka	<u>\$20-\$35</u>	4	@	\$ 28.14	<u>\$112.56</u>
Planner II	Munger, Corrine	<u>\$20-\$45</u>	36	@	\$ 40.52	<u>\$1,458.72</u>
Biologist I	Price, Samuel	<u>\$15-\$35</u>	6	@	\$ 25.89	<u>\$155.34</u>
Principal	Rozumowicz, Becky	<u>\$55-\$85</u>	4	@	\$ 77.51	<u>\$310.04</u>

Confidential Business Information

Subtotal Direct Labor Costs	98	<u>\$4,467.86</u>
Anticipated Salary Increases		<u>\$0</u>
Total Direct Labor Costs		<u>\$4,467.86</u>

Fringe Benefits	Rate	Total
	18.93%	<u>\$845.77</u>
		<u>\$845.77</u>

Indirect Costs		
Overhead	80.49%	<u>\$3,596.18</u>
General and Administrative	10.90%	<u>\$487.00</u>
		<u>\$4,083.18</u>

FEE (Profit)	10%	<u>\$939.68</u>
--------------	-----	-----------------

OTHER COSTS

Agency Permit Fees	<u>\$ 3,700.00</u>
Total Other Costs	<u>\$ 3,700.00</u>

TOTAL COST	<u>\$ 14,036.48</u>
------------	---------------------

Note: Invoices will be based on staff direct hourly pay rates with allowable escalation per the contract, multiplied by the contracted overhead rate and fixed fee noted above. The same Overhead rate will be used for all years for multi-year contracts. Overtime rates for non-exempt staff will be billed according to the rates established by California state law (i.e., 1.5 times the pay rate for hours worked over 8 hours).

AWE Proposal Cost Estimate
Italian Bar Road - Amendment #1 CDFW Revegetation Plan

Date: 01/15/18

Upon submission of an invoice by AWE (Contractor), and upon approval of Client's representative, Client shall pay AWE (Contractor) monthly in arrears for fees and expenses incurred the prior month, up to the maximum amount provided for on the Standard Contract. Each invoice will specify services rendered, to whom, date of service and the accrued charges.

Consultant Area West Environmental, Inc.

DIRECT LABOR

Classification	Name	Range	Hours		Initial Hourly Rate	Total
CEQA/NEPA Specialist	Dour-Smith, Aimee	<u>\$35-\$65</u>	<u>18</u>	@	\$ 49.17	<u>\$885.06</u>
Planner II	Munger, Corrine	<u>\$20-\$45</u>	<u>34</u>	@	\$ 39.34	<u>\$1,337.56</u>
Biologist I	Price, Samuel	<u>\$15-\$35</u>	<u>2</u>	@	\$ 25.13	<u>\$50.26</u>
Principal	Rozumowicz, Becky	<u>\$55-\$85</u>	<u>2</u>	@	\$ 75.26	<u>\$150.52</u>

Confidential Business Information

Subtotal Direct Labor Costs	56	<u>\$2,423.40</u>
Anticipated Salary Increases		<u>\$0</u>
Total Direct Labor Costs		<u>\$2,423.40</u>

Fringe Benefits	Rate	Total
	18.93%	<u>\$458.75</u>
		<u>\$458.75</u>

Indirect Costs		
Overhead	80.49%	<u>\$1,950.59</u>
General and Administrative	10.90%	<u>\$264.15</u>
		<u>\$2,214.75</u>

FEE (Profit)	10%	<u>\$509.69</u>
--------------	-----	-----------------

TOTAL COST		<u>\$ 5,606.58</u>
------------	--	--------------------

Note: Invoices will be based on staff direct hourly pay rates with allowable escalation per the contract, multiplied by the contracted overhead rate and fixed fee noted above. The same Overhead rate will be used for all years for multi-year contracts. Overtime rates for non-exempt staff will be billed according to the rates established by California state law (i.e., 1.5 times the pay rate for hours worked over 8 hours).