

**FIRST AMENDMENT
AGREEMENT FOR CONSULTANT SERVICES
BY AND BETWEEN
COUNTY OF HUMBOLDT
AND
GHD INC.**

FOR ON-CALL DESIGN ENGINEERING AND/OR ENVIRONMENTAL SERVICES

This First Amendment to the Agreement for Consultant Services dated December 4, 2018, by and between the County of Humboldt, a political subdivision of the State of California, hereinafter referred to as "COUNTY," and GHD Inc., a California corporation, hereinafter referred to as "CONSULTANT," is entered into this 14 day of May, 2019.

WHEREAS, on December 4, 2018, COUNTY and CONSULTANT entered into an Agreement for Consultant Services regarding the provision of on-call professional design engineering and/or environmental services ("Consultant Services Agreement"); and

WHEREAS, the parties now desire to amend certain provisions of the Consultant Services Agreement in order to adjust the rates of compensation set forth therein.

NOW THEREFORE, the parties mutually agree as follows:

1. The Consultant Services Agreement is hereby amended to delete Attachment B – Cost Proposal ("Attachment B"), and replace it in its entirety with the modified version of Attachment B that is attached hereto and incorporated herein by reference. The modified version of Attachment B attached hereto shall supersede any and all prior versions thereof, as of the effective date of this First Amendment.
2. The Consultant Services Agreement is hereby amended to delete Attachment D – Consultant Certification of Contract Costs and Financial Management System (Exhibit 10-K) ("Attachment D"), and replace it in its entirety with the modified version of Attachment D that is attached hereto and incorporated herein by reference. The modified version of Attachment D attached hereto shall supersede any and all prior versions thereof, as of the effective date of this First Amendment.
3. Except as modified herein, the Consultant Services Agreement dated December 4, 2018 shall remain in full force and effect. In the event of a conflict between the provisions of this First Amendment and the original Consultant Services Agreement, the provisions of this First Amendment shall govern.

[Signatures on Following Page]

IN WITNESS WHEREOF, the parties hereto have entered into this First Amendment as of the first date written above.

TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS:

(1) CHAIRPERSON OF THE BOARD, PRESIDENT, OR VICE PRESIDENT; AND

(2) SECRETARY, ASSISTANT SECRETARY, CHIEF FINANCIAL OFFICER OR ASSISTANT TREASURER.

GHD INC.:

By:  _____

Date: 19 APRIL 2019

Name: William Silva, P.E.

Title: Vice President

By:  _____

Date: 17 APR 2019

Name: J. Duncan Findlay

Title: Secretary

COUNTY OF HUMBOLDT:

By:  _____

Date: 5/14/19

Rex Bohn
Chair, Humboldt County Board of Supervisors

INSURANCE REQUIREMENTS APPROVED:

By:  _____

Date: 05/02/2019

Risk Management

LIST OF ATTACHMENTS:

Attachment B – Cost Proposal (Cost Summary, Exhibit 10-H2 and Exhibit 10-H4)

Attachment D – Consultant Certification of Contract Costs and Financial Management System (Exhibit 10-K)

Attachment B – Cost Proposal
(Cost Summary, Exhibit 10-H2 and Exhibit 10-H4)



Project Schedule: On-Call Design Engineering and Environmental Services - Storm Damage Repair Projects*
 Updated: 10/30/18

Task Description	2018		2019												2020												
	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
Contract Execution																											
Develop Task Order																											
Task Order Authorized																											
Task 1 – Project Management, Meetings and Coordination																											
Project Management																											
Coordination Meetings																											
Task 2 – Environmental Studies																											
Preliminary Environmental Study (PES) including, Project Description and APE Map																											
Cultural Resources Study, Historic Property & Archaeological Survey Reports																											
Special Status Plant and Animal Surveys and Reports																											
Wetland Delineation Reports																											
Natural Environment Study (NES)																											
Initial Site Assessment (ISA)																											
Visual Impact Assessment/Visual Resources Tech Memo																											
CEQA and NEPA Documentation																											
Environmental Permit Applications																											
Task 3 – Engineering Studies & Preliminary Design																											
Geotechnical Study																											
Hydrologic/Hydraulic Studies																											
Topographic Survey and Right-of-Way																											
Preliminary Design (15% and 35%)																											
Task 4 – Final Design																											
PS&E (60%, 90%, 95%, 100%)																											
Task 5 – Construction Engineering																											
Provide pre-bid and bid period assistance																											
Conduct weekly construction meetings																											
Monitor construction schedule																											
Provide environmental monitoring, clearance surveys and reporting																											
Review request for information (RFI) and submittals																											
Provide construction inspection/observation																											
Develop Contract Change Orders (CCOs)																											
Provide materials testing																											
Track quantities for progress payment																											
Provide office engineering and construction administration																											
Labor compliance interviews																											
Complete project close documents including record/as-built drawings																											

* Specific schedules to be developed for each individual Task Order

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Cost Proposal

Note: Mark-ups are Not Allowed

Consultant GHD Inc. Prime Consultant Subconsultant Date 8/24/2018

Project No. DPW2018-005 Contract No. _____ Participation Amount \$ 1,650,000.00

Fringe Benefit % 33.8% + Overhead % 133.18% + General Administration % 0% = Combined Indirect Cost Rate (ICR) % 166.98%

BILLING INFORMATION

CALCULATION INFORMATION

FEE % = 15%

Name/Job Title/Classification ¹	Hourly Billing Rates ²		Effective date of hourly rate		Actual or Avg. hourly rate ³	% or \$ increase	Hourly range - for classifications only
	Straight ⁴	OT(1.5x)	From	To			
Jeremy Svechla	\$192.84	\$289.27	\$385.69	7/1/2018	6/30/2019	\$62.81	
Project Coordinator	\$194.77	\$292.16	\$389.54	7/1/2019	6/30/2020	\$63.44	
Senior Engineer I	\$196.72	\$295.08	\$393.44	7/1/2020	6/30/2021	\$64.07	1.00%
Josh Wolf	\$190.14	\$285.21	\$380.28	7/1/2018	6/30/2019	\$61.93	
Project Coordinator	\$192.04	\$288.06	\$384.09	7/1/2019	6/30/2020	\$62.55	
Senior Engineer I	\$193.96	\$290.95	\$387.93	7/1/2020	6/30/2021	\$63.17	1.00%
David Caisse	\$145.87	\$218.80	\$291.74	7/1/2018	6/30/2019	\$47.51	
Project Manager	\$150.24	\$225.37	\$300.49	7/1/2019	6/30/2020	\$48.94	
Project Engineer II	\$154.75	\$232.13	\$309.50	7/1/2020	6/30/2021	\$50.40	3.00%
Brett Vivyan	\$142.49	\$213.74	\$284.98	7/1/2018	6/30/2019	\$46.41	
Project Manager	\$146.77	\$220.15	\$293.53	7/1/2019	6/30/2020	\$47.80	
Project Engineer II	\$151.17	\$226.75	\$302.34	7/1/2020	6/30/2021	\$49.24	3.00%
Misha Schwarz	\$187.32	\$280.98	\$374.63	7/1/2018	6/30/2019	\$61.01	
Senior Scientist	\$189.19	\$283.79	\$378.38	7/1/2019	6/30/2020	\$61.62	
Senior Scientist I	\$191.08	\$286.62	\$382.16	7/1/2020	6/30/2021	\$62.24	1.00%
Brian Crowell	\$134.32	\$201.49	\$268.65	7/1/2018	6/30/2019	\$43.75	
Structural Engineer	\$138.35	\$207.53	\$276.71	7/1/2019	6/30/2020	\$45.06	
Project Engineer I	\$142.50	\$213.76	\$285.01	7/1/2020	6/30/2021	\$46.41	3.00%
Stephanie Gould	\$102.39	\$153.59	\$204.79	7/1/2018	6/30/2019	\$33.35	
Civil Engineer	\$106.49	\$159.73	\$212.98	7/1/2019	6/30/2020	\$34.68	
Staff Engineer II	\$110.75	\$166.12	\$221.50	7/1/2020	6/30/2021	\$36.07	4.00%
Senior Engineer/Scientist/Planner/Surveyor IV	\$230.30	\$345.45	\$460.60	7/1/2018	6/30/2019	\$75.01	
	\$232.60	\$348.91	\$465.21	7/1/2019	6/30/2020	\$75.76	1.00%
	\$234.93	\$352.40	\$469.86	7/1/2020	6/30/2021	\$76.52	1.00%
Senior Engineer/Scientist/Planner/Surveyor III	\$214.95	\$322.42	\$429.90	7/1/2018	6/30/2019	\$70.01	
	\$217.10	\$325.65	\$434.20	7/1/2019	6/30/2020	\$70.71	1.00%
	\$219.27	\$328.91	\$438.54	7/1/2020	6/30/2021	\$71.42	1.00%
Senior Engineer/Scientist/Planner/Surveyor II	\$203.77	\$305.66	\$407.55	7/1/2018	6/30/2019	\$66.37	
	\$205.81	\$308.72	\$411.62	7/1/2019	6/30/2020	\$67.03	1.00%
	\$207.87	\$311.80	\$415.74	7/1/2020	6/30/2021	\$67.70	1.00%
Senior Engineer/Scientist/Planner/Surveyor I	\$193.15	\$289.73	\$386.30	7/1/2018	6/30/2019	\$62.91	
	\$195.08	\$292.62	\$390.16	7/1/2019	6/30/2020	\$63.54	1.00%
	\$197.03	\$295.55	\$394.07	7/1/2020	6/30/2021	\$64.17	1.00%

Project Engineer/Scientist/Planner/Surveyor IV	\$175.10	\$262.65	\$350.19	7/1/2018	6/30/2019	\$57.03	3.00%	\$55.01-\$60.00
	\$180.35	\$270.53	\$360.70	7/1/2019	6/30/2020	\$58.74		
	\$185.76	\$278.64	\$371.52	7/1/2020	6/30/2021	\$60.50		
Project Engineer/Scientist/Planner/Surveyor III	\$163.25	\$244.87	\$326.49	7/1/2018	6/30/2019	\$53.17	3.00%	\$50.01-\$55.00
	\$169.14	\$252.22	\$336.29	7/1/2019	6/30/2020	\$54.77		
	\$173.19	\$259.78	\$346.38	7/1/2020	6/30/2021	\$56.41		
Project Engineer/Scientist/Planner/Surveyor II	\$145.65	\$218.48	\$291.31	7/1/2018	6/30/2019	\$47.44	3.00%	\$45.01-\$50.00
	\$150.02	\$225.03	\$300.05	7/1/2019	6/30/2020	\$48.86		
	\$154.52	\$231.79	\$309.05	7/1/2020	6/30/2021	\$50.33		
Project Engineer/Scientist/Planner/Surveyor I	\$132.14	\$198.22	\$264.29	7/1/2018	6/30/2019	\$43.04	3.00%	\$40.01-\$45.00
	\$136.11	\$204.16	\$272.22	7/1/2019	6/30/2020	\$44.33		
	\$140.19	\$210.29	\$280.38	7/1/2020	6/30/2021	\$45.66		
Staff Engineer/Scientist/Planner/Surveyor III	\$119.19	\$178.78	\$238.38	7/1/2018	6/30/2019	\$38.82	4.00%	\$35.01-\$40.00
	\$123.96	\$185.93	\$247.91	7/1/2019	6/30/2020	\$40.37		
	\$128.91	\$193.37	\$257.83	7/1/2020	6/30/2021	\$41.99		
Staff Engineer/Scientist/Planner/Surveyor II	\$97.05	\$145.62	\$194.16	7/1/2018	6/30/2019	\$31.62	4.00%	\$30.01-\$35.00
	\$100.97	\$151.45	\$201.93	7/1/2019	6/30/2020	\$32.58		
	\$105.00	\$157.51	\$210.01	7/1/2020	6/30/2021	\$34.20		
Staff Engineer/Scientist/Planner/Surveyor I	\$87.20	\$130.79	\$174.39	7/1/2018	6/30/2019	\$28.40	4.00%	\$25.01-\$30.00
	\$90.68	\$136.03	\$181.37	7/1/2019	6/30/2020	\$29.54		
	\$94.31	\$141.47	\$188.62	7/1/2020	6/30/2021	\$30.72		
CAD/GIS/Tech III	\$99.88	\$149.81	\$199.75	7/1/2018	6/30/2019	\$32.53	4.00%	\$30.01-\$35.00
	\$103.87	\$155.81	\$207.74	7/1/2019	6/30/2020	\$33.83		
	\$108.02	\$162.04	\$216.05	7/1/2020	6/30/2021	\$35.18		
CAD/GIS/Tech II	\$79.83	\$119.74	\$159.65	7/1/2018	6/30/2019	\$26.00	4.00%	\$25.01-\$30.00
	\$83.02	\$124.53	\$166.04	7/1/2019	6/30/2020	\$27.04		
	\$86.34	\$129.51	\$172.68	7/1/2020	6/30/2021	\$28.12		
CAD/GIS/Tech I	\$72.77	\$109.15	\$145.53	7/1/2018	6/30/2019	\$23.70	4.00%	\$20.01-\$25.00
	\$75.66	\$113.51	\$151.35	7/1/2019	6/30/2020	\$24.65		
	\$78.70	\$118.05	\$157.41	7/1/2020	6/30/2021	\$25.63		
Administrative Support III	\$84.28	\$126.42	\$168.56	7/1/2018	6/30/2019	\$27.43	4.00%	\$25.01-\$30.00
	\$87.65	\$131.48	\$175.30	7/1/2019	6/30/2020	\$28.55		
	\$91.16	\$136.73	\$182.31	7/1/2020	6/30/2021	\$29.69		
Administrative Support II	\$70.06	\$105.10	\$140.13	7/1/2018	6/30/2019	\$22.82	4.00%	\$20.01-\$25.00
	\$72.87	\$109.30	\$145.73	7/1/2019	6/30/2020	\$23.73		
	\$75.78	\$113.67	\$151.56	7/1/2020	6/30/2021	\$24.68		
Administrative Support I	\$49.12	\$73.69	\$98.25	7/1/2018	6/30/2019	\$16.00	4.00%	\$15.00-\$20.00
	\$51.09	\$76.63	\$102.18	7/1/2019	6/30/2020	\$16.64		
	\$53.13	\$79.70	\$106.27	7/1/2020	6/30/2021	\$17.31		

1. All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
2. The cost proposal format shall not be amended.
3. Billing rate = actual hourly rate * (1 + ICR) * (1 + Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant GHD Inc. Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 8/16/2018

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
GPS	20	day	\$ 100.00	\$2,000
Drilling			at cost	
Laboratory Testing			at cost	
Records Search Fees	5		at cost	\$7,500
Permit Fees			at cost	
Mileage	1000	mile	\$ 0.545	\$545
Tolls			at cost	
Parking			at cost	
Rental Vehicle and Gas			at cost	
Lodging	10		at cost	\$1,000
Per Diem	20	day	\$ 120.00	\$2,400
Related Incidentals			at cost	
Plan Sheets (internal)	500	sheet	\$ 1.50	\$750
Plan Sheets (external)			at cost	

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

- 7. Generally Accepted Accounting Principles (GAAP)
- 8. Terms and conditions of the contract
- 9. Title 23 United States Code Section 112 - Letting of Contracts
- 10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
- 11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
- 12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Bill Silva Title *: Principal
 Signature:  PE Date of Certification (mm/dd/yyyy): 9/20/18
 Email: bill.silva@ghd.com Phone Number: 707-523-1010
 Address: 2235 Mercury Way Su 150, Santa Rosa, CA 95407

* 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:

Project management, engineering/design, environmental, construction management/inspections, geotechnical, surveying.
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**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Note: Mark-ups are Not Allowed

Consultant Biggs Cardosa Associates Prime Consultant Subconsultant Date 10/4/2018

Project No. DPW2018-005 Contract No. _____ Participation Amount \$ 250,000.00

0.00% Fringe Benefit % + 152.03% Overhead % + 0.00% General Administration % = 152.03% Combined Indirect Cost Rate (ICR) %

FEE % = 10%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ increase	Hourly range - for classifications only
	Straight ³	OT(1.5x)		From	To			
Mahvash Harms - Principal	\$271.91	N/A	N/A	10/1/2017	9/30/2018	\$98.08		Not Applicable
	\$285.51	N/A	N/A	10/1/2018	9/30/2019	\$102.98	5.00%	
	\$299.78	N/A	N/A	10/1/2019	9/30/2020	\$108.13	5.00%	
	\$314.77	N/A	N/A	10/1/2020	9/30/2021	\$113.54	5.00%	
Anthony Richardson - Project Manager Engineering Manager	\$163.96	N/A	N/A	10/1/2017	9/30/2018	\$59.14		Not Applicable
	\$172.15	N/A	N/A	10/1/2018	9/30/2019	\$62.10	5.00%	
	\$180.76	N/A	N/A	10/1/2019	9/30/2020	\$65.20	5.00%	
	\$189.80	N/A	N/A	10/1/2020	9/30/2021	\$68.46	5.00%	
Ron Oen - QC/QA Manager Associate	\$192.73	N/A	N/A	10/1/2017	9/30/2018	\$69.52		Not Applicable
	\$202.37	N/A	N/A	10/1/2018	9/30/2019	\$73.00	5.00%	
	\$212.49	N/A	N/A	10/1/2019	9/30/2020	\$76.65	5.00%	
	\$223.11	N/A	N/A	10/1/2020	9/30/2021	\$80.48	5.00%	
Yoliana Swenson - Senior Engineer	\$140.00	N/A	N/A	10/1/2017	9/30/2018	\$50.50		Not Applicable
	\$147.00	N/A	N/A	10/1/2018	9/30/2019	\$53.03	5.00%	
	\$154.35	N/A	N/A	10/1/2019	9/30/2020	\$55.68	5.00%	
	\$162.07	N/A	N/A	10/1/2020	9/30/2021	\$58.46	5.00%	
Principal III	\$300.69	N/A	N/A	10/1/2017	9/30/2018	\$108.46		\$108.00 to \$110.00
	\$315.72	N/A	N/A	10/1/2018	9/30/2019	\$113.88	5.00%	\$113.40 to \$115.50
	\$331.51	N/A	N/A	10/1/2019	9/30/2020	\$119.58	5.00%	\$119.07 to \$121.28
	\$348.08	N/A	N/A	10/1/2020	9/30/2021	\$125.56	5.00%	\$125.02 to \$127.34
Principal II	\$263.70	N/A	N/A	10/1/2017	9/30/2018	\$95.12		\$86.00 to \$100.00
	\$276.89	N/A	N/A	10/1/2018	9/30/2019	\$99.88	5.00%	\$90.30 to \$105.00
	\$290.73	N/A	N/A	10/1/2019	9/30/2020	\$104.87	5.00%	\$94.82 to \$110.25
	\$305.27	N/A	N/A	10/1/2020	9/30/2021	\$110.11	5.00%	\$99.56 to \$115.76
Principal I	\$231.93	N/A	N/A	10/1/2017	9/30/2018	\$83.66		\$83.00 to \$85.00
	\$243.53	N/A	N/A	10/1/2018	9/30/2019	\$87.84	5.00%	\$87.15 to \$89.25

Local Assistance Procedures Manual

Exhibit 10-H

	\$255.71	N/A	N/A	10/1/2019	9/30/2020	\$92.24	5.00%	\$91.51 to	\$93.71
	\$268.49	N/A	N/A	10/1/2020	9/30/2021	\$96.85	5.00%	\$96.08 to	\$98.40
Associate	\$182.81	N/A	N/A	10/1/2017	9/30/2018	\$65.94		\$57.00 to	\$70.00
	\$191.95	N/A	N/A	10/1/2018	9/30/2019	\$69.24	5.00%	\$59.85 to	\$73.50
	\$201.55	N/A	N/A	10/1/2019	9/30/2020	\$72.70	5.00%	\$62.84 to	\$77.18
	\$211.62	N/A	N/A	10/1/2020	9/30/2021	\$76.33	5.00%	\$65.98 to	\$81.03
Engineering Manager	\$160.66	N/A	N/A	10/1/2017	9/30/2018	\$57.95		\$52.00 to	\$61.00
	\$168.69	N/A	N/A	10/1/2018	9/30/2019	\$60.85	5.00%	\$54.60 to	\$64.05
	\$177.12	N/A	N/A	10/1/2019	9/30/2020	\$63.89	5.00%	\$57.33 to	\$67.25
	\$185.98	N/A	N/A	10/1/2020	9/30/2021	\$67.08	5.00%	\$60.20 to	\$70.62
Senior Engineer	\$139.14	N/A	N/A	10/1/2017	9/30/2018	\$50.19		\$48.00 to	\$53.00
	\$146.10	N/A	N/A	10/1/2018	9/30/2019	\$52.70	5.00%	\$50.40 to	\$55.65
	\$153.41	N/A	N/A	10/1/2019	9/30/2020	\$55.33	5.00%	\$52.92 to	\$58.43
	\$161.08	N/A	N/A	10/1/2020	9/30/2021	\$58.10	5.00%	\$55.57 to	\$61.35
Project Engineer	\$125.42	N/A	N/A	10/1/2017	9/30/2018	\$45.24		\$42.00 to	\$49.00
	\$131.69	N/A	N/A	10/1/2018	9/30/2019	\$47.50	5.00%	\$44.10 to	\$51.45
	\$138.28	N/A	N/A	10/1/2019	9/30/2020	\$49.88	5.00%	\$46.31 to	\$54.02
	\$145.19	N/A	N/A	10/1/2020	9/30/2021	\$52.37	5.00%	\$48.62 to	\$56.72
Staff Engineer	\$107.12	N/A	N/A	10/1/2017	9/30/2018	\$38.64		\$36.00 to	\$41.00
	\$112.48	N/A	N/A	10/1/2018	9/30/2019	\$40.57	5.00%	\$37.80 to	\$43.05
	\$118.10	N/A	N/A	10/1/2019	9/30/2020	\$42.60	5.00%	\$39.69 to	\$45.20
	\$124.01	N/A	N/A	10/1/2020	9/30/2021	\$44.73	5.00%	\$41.67 to	\$47.46
Assistant Engineer	\$94.37	N/A	N/A	10/1/2017	9/30/2018	\$34.04		\$32.00 to	\$36.00
	\$99.09	N/A	N/A	10/1/2018	9/30/2019	\$35.74	5.00%	\$33.60 to	\$37.80
	\$104.04	N/A	N/A	10/1/2019	9/30/2020	\$37.53	5.00%	\$35.28 to	\$39.69
	\$109.25	N/A	N/A	10/1/2020	9/30/2021	\$39.41	5.00%	\$37.04 to	\$41.67
Junior Engineer	\$87.58	N/A	N/A	10/1/2017	9/30/2018	\$31.59		\$29.00 to	\$33.00
	\$91.96	N/A	N/A	10/1/2018	9/30/2019	\$33.17	5.00%	\$30.45 to	\$36.75
	\$96.55	N/A	N/A	10/1/2019	9/30/2020	\$34.83	5.00%	\$31.97 to	\$38.59
	\$101.38	N/A	N/A	10/1/2020	9/30/2021	\$36.57	5.00%	\$33.57 to	\$40.52
Sr. Computer Drafter	\$115.02	N/A	N/A	10/1/2017	9/30/2018	\$41.49		\$40.00 to	\$50.00
	\$120.78	N/A	N/A	10/1/2018	9/30/2019	\$43.56	5.00%	\$42.00 to	\$52.50
	\$126.81	N/A	N/A	10/1/2019	9/30/2020	\$45.74	5.00%	\$44.10 to	\$55.13
	\$133.15	N/A	N/A	10/1/2020	9/30/2021	\$48.03	5.00%	\$46.31 to	\$57.88
Secretarial Services	\$94.76	N/A	N/A	10/1/2017	9/30/2018	\$34.18		\$17.00 to	\$55.00
	\$99.50	N/A	N/A	10/1/2018	9/30/2019	\$35.89	5.00%	\$17.85 to	\$57.75
	\$104.47	N/A	N/A	10/1/2019	9/30/2020	\$37.68	5.00%	\$18.74 to	\$60.64
	\$109.69	N/A	N/A	10/1/2020	9/30/2021	\$39.57	5.00%	\$19.68 to	\$63.67
Construction Manager	\$189.54	N/A	N/A	10/1/2017	9/30/2018	\$68.37		\$51.00 to	\$83.00
	\$199.02	N/A	N/A	10/1/2018	9/30/2019	\$71.79	5.00%	\$53.55 to	\$87.15
	\$208.97	N/A	N/A	10/1/2019	9/30/2020	\$75.38	5.00%	\$56.23 to	\$91.51
	\$219.42	N/A	N/A	10/1/2020	9/30/2021	\$79.15	5.00%	\$59.04 to	\$96.08
Senior Structures Representative	\$180.62	\$213.19	\$245.77	10/1/2017	9/30/2018	\$65.15		\$57.00 to	\$77.00
	\$189.65	\$223.85	\$258.06	10/1/2018	9/30/2019	\$68.41	5.00%	\$59.85 to	\$80.85
	\$199.13	\$235.04	\$270.96	10/1/2019	9/30/2020	\$71.83	5.00%	\$62.84 to	\$84.89

Local Assistance Procedures Manual

Exhibit 10-H

	\$209.09	\$246.80	\$284.51	10/1/2020	9/30/2021	\$75.42			
Structures Representative	\$160.66	\$189.63	\$218.61	10/1/2017	9/30/2018	\$57.95		5.00%	\$65.98 to \$89.14
	\$168.69	\$199.11	\$229.54	10/1/2018	9/30/2019	\$60.85		5.00%	\$52.00 to \$67.00
	\$177.12	\$209.07	\$241.01	10/1/2019	9/30/2020	\$63.89		5.00%	\$54.60 to \$70.35
	\$185.98	\$219.52	\$253.06	10/1/2020	9/30/2021	\$67.08		5.00%	\$57.33 to \$73.87
Resident Engineer	\$180.62	\$213.19	\$245.77	10/1/2017	9/30/2018	\$65.15			\$60.20 to \$77.56
	\$189.65	\$223.85	\$258.06	10/1/2018	9/30/2019	\$68.41		5.00%	\$57.00 to \$77.00
	\$199.13	\$235.04	\$270.96	10/1/2019	9/30/2020	\$71.83		5.00%	\$59.85 to \$80.85
	\$209.09	\$246.80	\$284.51	10/1/2020	9/30/2021	\$75.42		5.00%	\$62.84 to \$84.89
Assistant Structures Representative	\$140.95	\$166.37	\$191.79	10/1/2017	9/30/2018	\$50.84			\$65.98 to \$89.14
	\$147.99	\$174.68	\$201.37	10/1/2018	9/30/2019	\$53.38		5.00%	\$48.00 to \$64.00
	\$155.39	\$183.42	\$211.44	10/1/2019	9/30/2020	\$56.05		5.00%	\$50.40 to \$67.20
	\$163.16	\$192.59	\$222.02	10/1/2020	9/30/2021	\$58.85		5.00%	\$52.92 to \$70.56
Assistant Resident Engineer	\$140.95	\$166.37	\$191.79	10/1/2017	9/30/2018	\$50.84			\$55.57 to \$74.09
	\$147.99	\$174.68	\$201.37	10/1/2018	9/30/2019	\$53.38		5.00%	\$48.00 to \$64.00
	\$155.39	\$183.42	\$211.44	10/1/2019	9/30/2020	\$56.05		5.00%	\$50.40 to \$67.20
	\$163.16	\$192.59	\$222.02	10/1/2020	9/30/2021	\$58.85		5.00%	\$52.92 to \$70.56
Senior Bridge Inspector **	\$168.34	\$198.70	\$229.06	10/1/2017	9/30/2018	\$60.72			\$55.57 to \$74.09
	\$176.75	\$208.63	\$240.51	10/1/2018	9/30/2019	\$63.76		5.00%	\$60.00 to \$72.00
	\$185.59	\$219.06	\$252.53	10/1/2019	9/30/2020	\$66.94		5.00%	\$63.00 to \$75.60
	\$194.87	\$230.02	\$265.16	10/1/2020	9/30/2021	\$70.29		5.00%	\$66.15 to \$79.38
Inspector Level V **	\$159.30	\$188.03	\$216.76	10/1/2017	9/30/2018	\$57.46			\$69.46 to \$83.35
	\$167.26	\$197.43	\$227.60	10/1/2018	9/30/2019	\$60.33		5.00%	\$50.00 to \$77.00
	\$175.63	\$207.30	\$238.98	10/1/2019	9/30/2020	\$63.35		5.00%	\$52.50 to \$80.85
	\$184.41	\$217.67	\$250.92	10/1/2020	9/30/2021	\$66.52		5.00%	\$55.13 to \$84.89
Inspector Level IV **	\$138.62	\$163.62	\$188.62	10/1/2017	9/30/2018	\$50.00			\$57.88 to \$89.14
	\$145.55	\$171.80	\$198.05	10/1/2018	9/30/2019	\$52.50		5.00%	\$40.00 to \$66.00
	\$152.82	\$180.39	\$207.95	10/1/2019	9/30/2020	\$55.13		5.00%	\$42.00 to \$69.30
	\$160.47	\$189.41	\$218.35	10/1/2020	9/30/2021	\$57.88		5.00%	\$44.10 to \$72.77
Inspector Level III **	\$132.60	\$156.52	\$180.43	10/1/2017	9/30/2018	\$47.83			\$46.31 to \$76.40
	\$139.23	\$164.34	\$189.45	10/1/2018	9/30/2019	\$50.22		5.00%	\$35.00 to \$61.00
	\$146.19	\$172.56	\$198.92	10/1/2019	9/30/2020	\$52.73		5.00%	\$36.75 to \$64.05
	\$153.50	\$181.19	\$208.87	10/1/2020	9/30/2021	\$55.37		5.00%	\$38.59 to \$67.25
Inspector Level II **	\$126.97	\$149.87	\$172.77	10/1/2017	9/30/2018	\$45.80			\$40.52 to \$70.62
	\$133.32	\$157.37	\$181.41	10/1/2018	9/30/2019	\$48.09		5.00%	\$35.00 to \$61.00
	\$139.99	\$165.23	\$190.48	10/1/2019	9/30/2020	\$50.49		5.00%	\$36.75 to \$64.05
	\$146.99	\$173.50	\$200.01	10/1/2020	9/30/2021	\$53.02		5.00%	\$38.59 to \$67.25
Inspector Level I **	\$107.15	\$126.48	\$145.80	10/1/2017	9/30/2018	\$38.65			\$40.52 to \$70.62
	\$112.51	\$132.80	\$153.09	10/1/2018	9/30/2019	\$40.58		5.00%	\$30.00 to \$55.00
	\$118.13	\$139.44	\$160.75	10/1/2019	9/30/2020	\$42.61		5.00%	\$31.50 to \$57.75
	\$124.04	\$146.41	\$168.78	10/1/2020	9/30/2021	\$44.74		5.00%	\$33.08 to \$60.64
									\$34.73 to \$63.67

1. All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
2. The cost proposal format shall not be amended.

Local Assistance Procedures Manual

Exhibit 10-H

3. Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
 4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.
-

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
 SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant Biggs Cardosa Assoc Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 10/4/2018

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Travel				
A. Airfare	5	EA	Actual	\$2,500
B. Rental Vehicle	5	EA	Actual	\$1,000
C. Per Diem	20	EA	IRS Rate	\$1,295
D. Lodging	20	EA	IRS Rate	\$2,020
Prints & Reproductions				
A. Outside Reproduction	0	EA	Actual	\$0
B. In-House CADD Prints	649	SQ FT	\$0.32	\$208
C. In-House CADD Plots	3000	SQ FT	\$1.60	\$4,800
Project Specific Delivery Services				
A. Delivery Services		EA	Actual	\$0
B. Express Mail/USPS		EA	Actual	\$0
C. Truck Rental		EA	Actual	\$0
				\$11,823

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.

Local Assistance Procedures Manual

Exhibit 10-17

8. If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
9. The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
10. Add additional pages if necessary.
11. Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 COST PROPOSAL

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.

Prime Consultant or Subconsultant Certifying:

Name: Mahvash Harms Title *: Principal

Signature :  Date of Certification (mm/dd/yyyy): 10/4/2018

Email: Mharms@biggscardosa.com Phone Number: 510-250-8118

Address: 1111 Broadway, Suite 1510, Oakland CA 94607

* 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:

structural engineering and federal-aid support

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Note: Mark-ups are Not Allowed

Subconsultant Name **Crawford & Associates, Inc.** X Subconsultant Date 7/1/2018
 Project No. **DPW2018-005 (County of Humboldt)** Participation Amount \$ 200,000.00
 42.0% Fringe Benefit % + 135.00% Overhead % + 20% General Administration % = 197.00% Combined Indirect Cost Rate (ICR) %
 FEE % = 10%

BILLING INFORMATION				CALCULATION INFORMATION				
Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ Increase	Hourly range - for classifications only
	Straight ³	OT(1.5x)		From	To			
Richard Sowers Principal	\$ 212.38	\$ 318.54	\$ 424.72	7/1/18	6/30/19	\$ 65.00		Not Applicable
	\$ 216.73	\$ 328.09	\$ 437.45	7/1/19	6/30/20	\$ 66.95	3.00%	
	\$ 225.29	\$ 337.93	\$ 450.57	7/1/20	6/30/21	\$ 68.96	3.00%	
Benjamin Crawford Principal	\$ 206.15	\$ 309.22	\$ 412.30	7/1/18	6/30/19	\$ 63.10		Not Applicable
	\$ 212.33	\$ 318.50	\$ 424.66	7/1/19	6/30/20	\$ 64.99	3.00%	
	\$ 218.70	\$ 328.05	\$ 437.40	7/1/20	6/30/21	\$ 66.94	3.00%	
Eric Nichols Senior Project Manager	\$ 173.28	\$ 259.92	\$ 346.56	7/1/18	6/30/19	\$ 53.04		Not Applicable
	\$ 178.48	\$ 267.72	\$ 356.96	7/1/19	6/30/20	\$ 54.63	3.00%	
	\$ 183.83	\$ 275.75	\$ 367.67	7/1/20	6/30/21	\$ 56.27	3.00%	
Steve Carter Senior Project Manager - Env	\$ 147.83	\$ 221.75	\$ 295.66	7/1/18	6/30/19	\$ 45.25		Not Applicable
	\$ 152.27	\$ 228.40	\$ 304.53	7/1/19	6/30/20	\$ 46.61	3.00%	
	\$ 156.83	\$ 235.25	\$ 313.67	7/1/20	6/30/21	\$ 48.01	3.00%	
Senior Engineer/Geologist TBD	\$ 143.00	\$ 214.49	\$ 285.99	7/1/18	6/30/19	\$ 43.77		\$40.00-\$45.67
	\$ 147.29	\$ 220.93	\$ 294.57	7/1/19	6/30/20	\$ 45.08	3.00%	
	\$ 151.71	\$ 227.56	\$ 303.41	7/1/20	6/30/21	\$ 46.44	3.00%	
Project Engineer III/Geologist TBD	\$ 137.21	\$ 205.82	\$ 274.43	7/1/18	6/30/19	\$ 42.00		\$30.00-\$50.00
	\$ 141.33	\$ 212.00	\$ 282.66	7/1/19	6/30/20	\$ 43.26	3.00%	
	\$ 145.57	\$ 218.36	\$ 291.14	7/1/20	6/30/21	\$ 44.56	3.00%	
Project Engineer/Geologist TBD	\$ 108.80	\$ 160.20	\$ 213.60	7/1/18	6/30/19	\$ 32.69		\$31.73-\$33.65
	\$ 110.00	\$ 165.00	\$ 220.00	7/1/19	6/30/20	\$ 33.67	3.00%	
	\$ 113.30	\$ 169.95	\$ 226.60	7/1/20	6/30/21	\$ 34.68	3.00%	
Staff Engineer TBD	\$ 84.94	\$ 127.41	\$ 169.88	7/1/18	6/30/19	\$ 26.00		\$23.00-\$29.81
	\$ 87.49	\$ 131.24	\$ 174.98	7/1/19	6/30/20	\$ 26.78	3.00%	
	\$ 90.11	\$ 135.17	\$ 180.23	7/1/20	6/30/21	\$ 27.58	3.00%	
Drafting TBD	\$ 76.77	\$ 115.16	\$ 153.55	7/1/18	6/30/19	\$ 23.50		\$23.00-\$29.81
	\$ 79.08	\$ 118.62	\$ 158.18	7/1/19	6/30/20	\$ 24.21	3.00%	
	\$ 81.45	\$ 122.18	\$ 162.90	7/1/20	6/30/21	\$ 24.93	3.00%	
Administrative Assistant TBD	\$ 75.86	\$ 113.79	\$ 151.72	7/1/18	6/30/19	\$ 23.22		\$17.00-\$36.05
	\$ 78.14	\$ 117.20	\$ 156.27	7/1/19	6/30/20	\$ 23.92	3.00%	
	\$ 80.48	\$ 120.72	\$ 160.96	7/1/20	6/30/21	\$ 24.63	3.00%	

1. All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
 2. The cost proposal format shall not be amended.
 3. Billing rate = actual hourly rate * (1 + ICR) * (1 + Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
 4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Subconsultant Name **Crawford & Associates, Inc.**

Subconsultant

Date 7/1/2018

Project No. DPW2018-005 (County of Humboldt)

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Mileage	1000	Miles	\$ 0.545	\$545
Per Diem (Humboldt County)	20	Days	\$ 125.00	\$2,500
Drilling, Backhoe, Coring	3	EA	\$ 20,000.00	\$60,000
Traffic Controls	8	Days	\$ 1,000.00	\$8,000
Laboratory Testing	1	LS	\$ 4,000.00	\$4,000
Permit Fees	4	EA	\$ 435.00	\$1,740
			Estimated Cost Total	\$76,785
Subconsultant 1:				
Subconsultant 2:				
Subconsultant 3:				
Subconsultant 4:				
Subconsultant 5:				

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

7. Generally Accepted Accounting Principles (GAAP)
8. Terms and conditions of the contract
9. Title 23 United States Code Section 112 - Letting of Contracts
10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Benjamin Crawford Title *: President
 Signature:  Date of Certification (mm/dd/yyyy): 9/07/2018
 Email: ben.crawford@crawford-inc.com Phone Number: (916) 455-4225
 Address: 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:

<p>Geotechnical Services</p>

Crawford & Associates, Inc.

2018 Fee and Lab Schedule

Services & Lab Schedule	Detail	Cost
Services & Costs		
Per Diem (Humboldt County Rates)	Day	\$ 129.00
Traffic Control-Major (DBE and/or PW)	Day	\$ 2,250.00
Traffic Control-Minor (DBE and/or PW)	Day	\$ 1,000.00
Traffic Control-Major (Non DBE or PW)	Day	\$ 1,700.00
Traffic Control-Minor (Non DBE or PW)	Day	\$ 700.00
Nuclear Density Tests	Test	\$ 6.00
Hand Auger	Day	\$ 150.00
Steel Liners	Liner	\$ 8.00
Core Machine with Generator	Day	\$ 2,000.00
Coring Bit Charge	Inch	\$ 2.00
Backfill	Bag	\$ 8.00
12-Channel Seismic Refraction	Day	\$ 1,200.00
Classification & Index		
Moisture Content	ASTM D2216	\$ 40.00
Moisture & Density	ASTM D2216 & D2937	\$ 60.00
Sieve Analysis to #200	ASTM D6913	\$ 150.00
#200 Wash	ASTM D1140	\$ 110.00
Hydrometer Analysis	ASTM D422	\$ 175.00
Plasticity Index	ASTM D4318	\$ 250.00
Strength		
Direct Shear (CD - 3 pt) Peak Only	ASTM D3080	\$ 500.00
Unconfined Compression - Soil	ASTM D2166	\$ 165.00
Unconfined Compression - Rock	ASTM D2166	\$ 225.00
Point Load	ASTM D5731-16	\$ 65.00
Compaction Curves and Stability		
4-Inch Mold	ASTM D698/D1557	\$ 265.00
6-Inch Mold	ASTM D698/D1557	\$ 295.00
R-Value	CTM301	\$ 350.00
Consolidation and Expansion		
One Dimension Consolidation No Time-Rate	ASTM D2435	\$ 300.00
One Dimension Consolidation Time-Rate	ASTM D2435	\$ 420.00
Expansion Index	ASTM D4829	\$ 210.00
Chemical and Corrosion		
pH & Resistivity	CTM643	\$ 100.00
Sulfate Content	CTM417	\$ 50.00
Chloride Content	CTM422	\$ 50.00

Extras

Rush testing: add 50%. This guarantees your sample(s) will get top priority.

Additional testing costs available upon request

Rates are applicable through December 31, 2018.
An escalation factor of 3%/year will apply for work completed after 2018.

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardoso	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Cost Proposal

Note: Mark-ups are Not Allowed

Consultant Chirardelli Associates Prime Consultant Subconsultant Date 8/21/2018

Project No. DPW2018-005 Contract No. _____ Participation Amount: \$ 300,000

Fringe Benefit % 53.8% + Overhead % 57.13% + General Administration % 0% = Combined Indirect Cost Rate (ICR) % 110.97%

FEE % = 12%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ increase	Hourly range - for classifications only
	Straight ³	OT(1.5x)		From	To			
Chuck Dory - Project Manager Resident Engineer	\$227.17	\$340.75	\$454.33	6/1/2018	6/30/2018	\$96.14		Not Applicable
	\$238.52	\$357.79	\$477.05	7/1/2018	6/30/2019	\$100.95	5.00%	
	\$250.45	\$375.66	\$500.90	7/1/2019	6/29/2020	\$105.99	5.00%	
Gene Leo - Construction Inspector	\$155.36	\$233.04	\$310.72	6/1/2018	6/30/2018	\$65.75		\$50.04 - \$84.46
	\$163.13	\$244.69	\$326.25	7/1/2018	6/30/2019	\$69.04	5.00%	
	\$171.28	\$256.92	\$342.57	7/1/2019	6/29/2020	\$72.49	5.00%	
Bill Patterson - Construction Inspector	\$156.14	\$234.21	\$312.28	6/1/2018	6/30/2018	\$66.08		\$50.04 - \$84.46
	\$163.94	\$245.92	\$327.89	7/1/2018	6/30/2019	\$69.38	5.00%	
	\$172.14	\$258.21	\$344.28	7/1/2019	6/29/2020	\$72.55	5.00%	
Jeffrey Smith - Construction Inspector	\$154.00	\$231.00	\$309.20	6/1/2018	6/30/2018	\$65.45		\$50.04 - \$84.46
	\$162.33	\$243.50	\$324.66	7/1/2018	6/30/2019	\$69.70	5.00%	
	\$170.45	\$255.67	\$340.90	7/1/2019	6/29/2020	\$72.14	5.00%	
Michael Strahan - Construction Inspector	\$141.80	\$212.69	\$283.59	6/1/2018	6/30/2018	\$60.01		\$50.04 - \$84.46
	\$148.89	\$223.33	\$297.77	7/1/2018	6/30/2019	\$63.01	5.00%	
	\$156.33	\$234.49	\$312.66	7/1/2019	6/29/2020	\$66.16	5.00%	
George Thorpe - Construction Inspector	\$177.66	\$266.50	\$355.33	6/1/2018	6/30/2018	\$75.19		\$50.04 - \$84.46
	\$186.53	\$279.82	\$373.09	7/1/2018	6/30/2019	\$78.95	5.00%	
	\$195.87	\$293.81	\$391.75	7/1/2019	6/29/2020	\$82.90	5.00%	

- All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended.
- Billing rate = actual hourly rate * (1 + ICR) * (1 + Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
- For tenured employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant Ghirardelli Associates Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 8/21/2018

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Mileage Costs	1834	MILES	0.545	\$1000
Per Diem	250	DAYS	120	\$50000
Permit Fees		N/A		\$0
Plan Sheets		N/A		\$0
Test		N/A		\$0
Vehicle		N/A		\$0
Subconsultant 1:				\$0
Subconsultant 2:				\$0
Subconsultant 3:				\$0
Subconsultant 4:				
Subconsultant 5:				

NOTES:

1. List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
2. Proposed ODC items should be consistently billed regardless of client and contract type.
3. Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
4. Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
5. Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
6. Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
7. If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
8. If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
9. The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
10. Add additional pages if necessary.
11. Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

7. Generally Accepted Accounting Principles (GAAP)
8. Terms and conditions of the contract
9. Title 23 United States Code Section 112 - Letting of Contracts
10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Alain Charles Title *: Corporate Controller
Digitally signed by Alain Charles
 Signature : Alain Charles Date of Certification (mm/dd/yyyy): 09/05/2018
Date: 2018.09.06 11:03:15 -0700'
 Email: acharles@ghirardelliassoc.com Phone Number: 408.435.5503 x2
 Address: 2055 Gateway Place, Suite 470, San Jose, CA 95110

* 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 management/inspection

Non-Preceding Week Data/Chart		[Data Columns]																						
Michael Corbett	FIELD	94,302	64,631	34,348	107,577	272,245	375,718	118,881	338,725	448,811	118,881	172,506	572,259	1,079,119	872,026	...	...	...	...	...	...	...	...	...
Comprehensive Projector	Chart 1	94,302	64,631	34,348	107,577	272,245	375,718	118,881	338,725	448,811	118,881	172,506	572,259	1,079,119	872,026	...	...	...	...	...	...	...	...	...
Preceding Week Data/Chart	DAY	94,302	64,631	34,348	107,577	272,245	375,718	118,881	338,725	448,811	118,881	172,506	572,259	1,079,119	872,026	...	...	...	...	...	...	...	...	...

1. This spreadsheet contains data that is used in providing projections with an income tax. Projections are generated by the software. Any data not included in the spreadsheet will be reflected in the financial reports.
2. The data shown is for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013.
3. The projections are based on the actual data for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013.
4. The data shown is for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013.
5. The data shown is for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013.
6. The data shown is for the week ending 11/21/2013. The actual data for the week ending 11/21/2013 will be calculated by using the actual P/E ratios of the individual portfolio companies with the actual data for the week ending 11/21/2013.

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardoso	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 3

SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
(NON-PREVAILING WAGE CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant Points West Surveying Company Prime Consultant Subconsultant

Project No. DPW-2018-005 Contract No. _____ Participation Amount \$ 100,000 Date 2/4/2019

For Combined Rate	Fringe Benefit 62.00 % + General & Administrative 57.93 %	=119.93	Combined ICR%
		Fee =5	%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective Date of Hourly Rate		Actual or Avg. Hourly	% or \$	Hourly Range - or Classifications Only
	Straight ³	OT(1.5x)	OT(2x)	From	To			
Licensed Surveyor - Principal David Crivelli	\$111.31	\$135.41	\$159.51	01/01/2018	12/31/2018	\$48.20	2	
	\$113.52	\$138.10	\$162.68	01/01/2019	12/31/2019	\$49.16		
	\$115.79	\$140.86	\$165.93	01/01/2020	12/31/2020	\$50.14		
Licensed Surveyor - Principal Michael Pulley	\$113.55	\$138.13	\$162.72	01/01/2018	12/31/2018	\$49.17	2	
	\$115.81	\$140.88	\$165.96	01/01/2019	12/31/2019	\$50.15		
	\$118.12	\$143.69	\$169.27	01/01/2020	12/31/2020	\$51.15		
Licensed Surveyor - Staff Jesse Buffington	\$92.37	\$112.37	\$132.37	01/01/2018	12/31/2018	\$40.00	2	
	\$94.22	\$114.62	\$135.02	01/01/2019	12/31/2019	\$40.80		
	\$96.11	\$116.92	\$137.73	01/01/2020	12/31/2020	\$41.62		
Survey Technician II William Pool	\$76.21	\$92.71	\$109.21	01/01/2018	12/31/2018	\$33.00	2	
	\$77.73	\$94.56	\$111.39	01/01/2019	12/31/2019	\$33.66		
	\$79.28	\$96.44	\$113.61	01/01/2020	12/31/2020	\$34.33		
Survey Technician II Ryan Baxter	\$69.28	\$84.28	\$99.28	01/01/2018	12/31/2018	\$30.00	2	
	\$70.66	\$85.96	\$101.26	01/01/2019	12/31/2019	\$30.60		
	\$72.07	\$87.68	\$103.28	01/01/2020	12/31/2020	\$31.21		
Survey Technician Paul Krause	\$57.73	\$70.23	\$82.73	01/01/2018	12/31/2018	\$25.00	2	
	\$58.89	\$71.64	\$84.39	01/01/2019	12/31/2019	\$25.50		
	\$60.06	\$73.07	\$86.07	01/01/2020	12/31/2020	\$26.01		
Survey Technician I Austin McChesney	\$48.49	\$58.99	\$69.49	01/01/2018	12/31/2018	\$21.00	2	
	\$49.46	\$60.17	\$70.88	01/01/2019	12/31/2019	\$21.42		
	\$50.46	\$61.38	\$72.31	01/01/2020	12/31/2020	\$21.85		

NOTES:

1. All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
2. The cost proposal format shall not be amended.
3. Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H2 COST PROPOSAL Page 2 of 3

SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
(CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Consultant Points West Surveying Company Prime Consultant Subconsultant

Project No. DPW-2018-005 Contract No. _____ Date 2/4/2019

SCHEDULE OF OTHER DIRECT COST ITEMS (Add additional pages as necessary)				
Description of Item	Quantity	Unit	Unit Cost	Total
Mileage Costs	1000	Mile	\$0.535	\$535.00
GPS Units	12	Unit	\$100.00	\$1200.00
Boat	1	Day	\$150.00	\$150.00
Single Beam Sounder	1	Day	\$200.00	\$200.00
Aerial Target	15	Unit	\$15.00	\$225.00
Vehicle			\$	\$
Subconsultant 1:				\$
Subconsultant 2:				\$
Subconsultant 3:				\$
Subconsultant 4:				\$
Subconsultant 5:				\$

Note: Add additional pages if necessary.

NOTES:

1. List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
2. Proposed ODC items should be consistently billed regardless of client and contract type.
3. Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
4. Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
5. Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
6. Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.

7. If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
8. If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
9. The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
10. Add additional pages if necessary.
11. Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 COST PROPOSAL Page 3 of 3

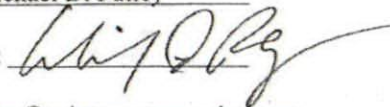
Certification of Direct Costs:

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:

7. Generally Accepted Accounting Principles (GAAP)
8. Terms and conditions of the contract
9. Title 23 United States Code Section 112 - Letting of Contracts
10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Michael D. Pulley Title *: Vice-President, Principal + CFO
 Signature:  Date of Certification (mm/dd/yyyy): 2/4/2019
 Email: pulley@pointswestsurveying.com Phone Number: 707.840.9510

Address: 5201 Carlson Park Drive Suite 3 Arcata CA 95521

* 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:

Land Surveying Services, including topographic, boundary, hydrographic, and construction surveying, construction staking, right of way determination, preparation of legal descriptions and maps, coordination with prime and subcontractors

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Cost Proposal

Note: Mark-ups are Not Allowed

Consultant SHN Prime Consultant Subconsultant Date 8/24/2018

Project No. DPW2018-005 Contract No. _____ Participation Amount \$ 400,000.00

72.5% Fringe Benefit % - 64.36% Overhead % + 33% General Administration % = 170.17% Combined Indirect Cost Rate (ICR) %

FEE % = 14%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ increase	Hourly range - for classifications only
	Straight ³	OT(1.5x)		From	To			
Greg Hufford - Project Manager Assoc. Engineer II Non-Exempt	\$133.67	\$200.50	\$267.34	6/1/2018	12/31/2018	\$43.40		Not Applicable
	\$137.68	\$206.52	\$275.36	1/1/2019	12/31/2019	\$44.70	3.00%	
	\$141.81	\$212.71	\$283.62	1/1/2020	12/31/2020	\$46.04	3.00%	
	\$146.06	\$219.10	\$292.13	1/1/2021	12/31/2021	\$47.42	3.00%	
Jared O'Barr - Assoc. Engineer II Roadway Design Exempt	\$132.59	\$198.89	\$265.18	6/1/2018	12/31/2018	\$43.05		Not Applicable
	\$136.57	\$204.85	\$273.14	1/1/2019	12/31/2019	\$44.34	3.00%	
	\$140.67	\$211.00	\$281.33	1/1/2020	12/31/2020	\$45.67	3.00%	
	\$144.89	\$217.33	\$289.77	1/1/2021	12/31/2021	\$47.04	3.00%	
Cody Long* - Staff Engineer III Engineer/Inspector Non-Exempt	\$103.70	\$155.55	\$207.40	6/1/2018	12/31/2018	\$33.67		Not Applicable
	\$106.81	\$160.22	\$213.63	1/1/2019	12/31/2019	\$34.68	3.00%	
	\$110.02	\$165.03	\$220.03	1/1/2020	12/31/2020	\$35.72	3.00%	
	\$113.32	\$169.98	\$226.63	1/1/2021	12/31/2021	\$36.79	3.00%	
Bob Brown* - Principal Planner NEPA/CEQA Exempt	\$148.08	\$222.13	\$296.17	6/1/2018	12/31/2018	\$48.08		Not Applicable
	\$152.53	\$228.79	\$305.05	1/1/2019	12/31/2019	\$49.52	3.00%	
	\$157.10	\$235.65	\$314.20	1/1/2020	12/31/2020	\$51.01	3.00%	
	\$161.81	\$242.72	\$323.63	1/1/2021	12/31/2021	\$52.54	3.00%	
Stein Coriell* - Assoc. Planner I NEPA/CEQA Non-Exempt	\$111.34	\$167.01	\$222.68	6/1/2018	12/31/2018	\$36.15		Not Applicable
	\$114.68	\$172.02	\$229.36	1/1/2019	12/31/2019	\$37.23	3.00%	
	\$118.12	\$177.18	\$236.24	1/1/2020	12/31/2020	\$38.35	3.00%	
	\$121.66	\$182.50	\$243.33	1/1/2021	12/31/2021	\$39.50	3.00%	
William McGoldrick* - Construction Engineer/Inspector Staff Engr III Non-Exempt	\$130.93	\$196.39	\$261.86	6/1/2018	12/31/2018	\$42.51		Not Applicable
	\$134.86	\$202.28	\$269.71	1/1/2019	12/31/2019	\$43.79	3.00%	
	\$138.90	\$208.35	\$277.80	1/1/2020	12/31/2020	\$45.10	3.00%	
	\$143.07	\$214.60	\$286.14	1/1/2021	12/31/2021	\$46.45	3.00%	
Jordan Ludke - Construction Engineer/Inspector Staff Engr II Non-Exempt	\$83.16	\$124.74	\$166.32	6/1/2018	12/31/2018	\$27.00		Not Applicable
	\$85.65	\$128.48	\$171.31	1/1/2019	12/31/2019	\$27.81	3.00%	
	\$88.22	\$132.33	\$176.45	1/1/2020	12/31/2020	\$28.64	3.00%	
	\$90.87	\$136.30	\$181.74	1/1/2021	12/31/2021	\$29.50	3.00%	
Giovanni Vaduro* - Assoc. Engr. Geologist II Non-Exempt	\$138.66	\$207.99	\$277.32	6/1/2018	12/31/2018	\$45.02		Not Applicable
	\$142.82	\$214.23	\$285.64	1/1/2019	12/31/2019	\$46.37	3.00%	
	\$147.10	\$220.65	\$294.21	1/1/2020	12/31/2020	\$47.76	3.00%	
	\$151.52	\$227.27	\$303.03	1/1/2021	12/31/2021	\$49.19	3.00%	

Local Assistance Procedures Manual

Exhibit 10-H

John Dohy** - Assoc. Geotech Engineer III	\$156.52	\$234.78	\$313.04	6/1/2018	12/31/2018	\$50.82		Not Applicable
	\$161.22	\$241.83	\$322.44	1/1/2019	12/31/2019	\$32.34	3.00%	
	\$166.05	\$249.08	\$332.11	1/1/2020	12/31/2020	\$53.91	3.00%	
Non-Exempt	\$171.04	\$256.55	\$342.07	1/1/2021	12/31/2021	\$55.53	3.00%	
Matt Herman** Assoc. Survey III	\$143.16	\$214.73	\$286.31	6/1/2018	12/31/2018	\$46.48		Not Applicable
	\$147.45	\$221.18	\$294.90	1/1/2019	12/31/2019	\$47.87	3.00%	
	\$151.87	\$227.81	\$303.75	1/1/2020	12/31/2020	\$49.31	3.00%	
Exempt	\$156.43	\$234.64	\$312.86	1/1/2021	12/31/2021	\$50.79	3.00%	
Eric Ward** -Survey Technician Tech II	\$83.90	\$125.85	\$167.80	6/1/2018	12/31/2018	\$27.24		Not Applicable
	\$86.41	\$129.62	\$172.83	1/1/2019	12/31/2019	\$28.06	3.00%	
	\$89.01	\$133.51	\$178.01	1/1/2020	12/31/2020	\$28.90	3.00%	
Non-Exempt	\$91.68	\$137.52	\$183.35	1/1/2021	12/31/2021	\$29.77	3.00%	
Principal Engineer/Scientist, Planner/Consultant	\$177.10	\$265.64	\$354.19	6/1/2018	12/31/2018	\$57.50		48.00 to 67.00
	\$182.41	\$273.61	\$364.82	1/1/2019	12/31/2019	\$59.23	3.00%	
	\$187.88	\$281.82	\$375.76	1/1/2020	12/31/2020	\$61.00	3.00%	
Exempt	\$193.52	\$290.28	\$387.04	1/1/2021	12/31/2021	\$62.83	3.00%	
Associate III Engineer/Scientist, Planner/Consultant	\$154.00	\$231.00	\$307.99	6/1/2018	12/31/2018	\$50.00		45.00 to 55.00
	\$158.62	\$237.93	\$317.23	1/1/2019	12/31/2019	\$51.50	3.00%	
	\$163.38	\$245.06	\$326.75	1/1/2020	12/31/2020	\$53.05	3.00%	
Exempt	\$168.28	\$252.41	\$336.53	1/1/2021	12/31/2021	\$54.64	3.00%	
Associate II Engineer/Scientist	\$138.60	\$207.90	\$277.9442	6/1/2018	12/31/2018	\$45.00		40.00 to 50.00
	\$142.76	\$214.13	\$285.51	1/1/2019	12/31/2019	\$46.33	3.00%	
	\$147.04	\$220.56	\$294.08	1/1/2020	12/31/2020	\$47.74	3.00%	
Non-Exempt	\$151.45	\$227.17	\$302.90	1/1/2021	12/31/2021	\$49.17	3.00%	
Associate I Engineer/Scientist, Planner/Consultant	\$123.20	\$184.80	\$246.40	6/1/2018	12/31/2018	\$40.00		35.00 to 45.00
	\$126.89	\$190.34	\$253.79	1/1/2019	12/31/2019	\$41.20	3.00%	
	\$130.70	\$196.05	\$261.40	1/1/2020	12/31/2020	\$42.44	3.00%	
Non-Exempt	\$134.62	\$201.93	\$269.24	1/1/2021	12/31/2021	\$43.71	3.00%	
Staff III Engineer/Scientist	\$117.04	\$175.56	\$234.08	6/1/2018	12/31/2018	\$38.00		32.00 to 44.00
	\$120.55	\$180.82	\$241.10	1/1/2019	12/31/2019	\$39.14	3.00%	
	\$124.17	\$186.25	\$248.33	1/1/2020	12/31/2020	\$40.31	3.00%	
non-Exempt Planner/Consultant	\$127.89	\$191.84	\$255.78	1/1/2021	12/31/2021	\$41.52	3.00%	
Staff II Engineer/Scientist	\$92.40	\$138.60	\$184.80	6/1/2018	12/31/2018	\$30.00		25.00 to 35.00
	\$95.17	\$142.76	\$190.34	1/1/2019	12/31/2019	\$30.90	3.00%	
	\$98.03	\$147.04	\$196.05	1/1/2020	12/31/2020	\$31.83	3.00%	
Non-Exempt Planner/Consultant	\$100.97	\$151.45	\$201.93	1/1/2021	12/31/2021	\$32.78	3.00%	
Staff I Engineer/Scientist	\$77.00	\$115.50	\$154.00	6/1/2018	12/31/2018	\$25.00		20.00 to 30.00
	\$79.31	\$118.96	\$158.62	1/1/2019	12/31/2019	\$25.75	3.00%	
	\$81.69	\$122.53	\$163.38	1/1/2020	12/31/2020	\$26.52	3.00%	
Non-Exempt Planner/Consultant	\$84.14	\$126.21	\$168.28	1/1/2021	12/31/2021	\$27.32	3.00%	
Technician III Engineer/Scientist	\$100.10	\$150.15	\$200.20	6/1/2018	12/31/2018	\$32.50		50.00 to 35.00
	\$103.10	\$154.65	\$206.20	1/1/2019	12/31/2019	\$33.48	3.00%	
	\$106.19	\$159.29	\$212.39	1/1/2020	12/31/2020	\$34.48	3.00%	
Non-Exempt Planner/Consultant	\$109.38	\$164.07	\$218.76	1/1/2021	12/31/2021	\$35.51	3.00%	
Technician II Engineer/Scientist	\$84.70	\$127.05	\$169.40	6/1/2018	12/31/2018	\$27.50		25.00 to 30.00
	\$87.24	\$130.86	\$174.48	1/1/2019	12/31/2019	\$28.33	3.00%	
	\$89.86	\$134.78	\$179.71	1/1/2020	12/31/2020	\$29.17	3.00%	
Non-Exempt Planner/Consultant	\$92.55	\$138.83	\$185.10	1/1/2021	12/31/2021	\$30.05	3.00%	

Local Assistant Procedures Manual

Exhibit 10-H

Technician I	\$69.30	\$103.95	\$138.60	6/1/2018	12/31/2018	\$22.50		20.00 to 25.00
Engineer/Scientist	\$71.38	\$107.07	\$142.76	1/1/2019	12/31/2019	\$23.18	3.00%	
	\$73.52	\$110.28	\$147.04	1/1/2020	12/31/2020	\$23.87	3.00%	
Non-Exempt	\$75.72	\$113.59	\$151.45	1/1/2021	12/31/2021	\$24.59	3.00%	
Clerical/Tech Editor	\$77.00	\$115.50	\$154.00	6/1/2018	12/31/2018	\$25.00		20.00 to 30.00
	\$79.31	\$118.96	\$158.62	1/1/2019	12/31/2019	\$25.75	3.00%	
	\$81.69	\$122.53	\$163.38	1/1/2020	12/31/2020	\$26.52	3.00%	
Non-Exempt	\$84.14	\$126.21	\$168.28	1/1/2021	12/31/2021	\$27.32	3.00%	
Admin Assistant	\$69.30	\$103.95	\$138.60	6/1/2018	12/31/2018	\$22.50		20.00 to 25.00
	\$71.38	\$107.07	\$142.76	1/1/2019	12/31/2019	\$23.18	3.00%	
	\$73.52	\$110.28	\$147.04	1/1/2020	12/31/2020	\$23.87	3.00%	
Non-Exempt	\$75.72	\$113.59	\$151.45	1/1/2021	12/31/2021	\$24.59	3.00%	

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
 SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant SHN Prime Consultant Subconsultant
 Project No. DPW2018-005 Contract No. _____ Date 9/18/2018

SCHEDULE OF OTHER DIRECT COST ITEMS

DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Special Tooling				
A. Drilling	2	\$10,000/site	at cost	\$ 20,000.00
B. Laboratory testing	2	\$2,500/site	at cost	\$ 5,000.00
Travel				
A. Mileage (personal, company)				
B. Vehicle	50 trips/40 mi	mile	at IRS rate (\$0.545)	\$ 1,090.00
C. Tolls		per toll	at cost	
D. Parking			at cost	
E. Rental Vehicle and Gas			at cost	
F. Lodging			at cost	
G. Meals			at cost	
H. Related Incidentals			at cost	\$ -
E. Rental Vehicle and Gas				
Survey				
F. GPS Station	10	day*	\$ 300.00	\$ 3,000.00
G. Level		day*	\$ 25.00	\$ -
H. Resource GPS		day*	\$ 150.00	\$ -
I. Robotic Total Station	10	day	\$ 200.00	\$ 2,000.00
J. Total Station		hour	\$ 7.50	\$ -
K. Total Station w/Data Collector	0	day	\$ 100.00	\$ -
L. Toughbook		day*	\$ 150.00	\$ -
M. Trimble GeoXT GPS Unit		day*	\$ 150.00	\$ -
Laboratory Tests				
N. Asphalt Briquette Compaction		each ⁽¹⁾	\$50.00	\$ -
O. Asphalt Bulk Specific Gravity		each	\$30.00	\$ -
P. Asphalt Content by Nuclear Method		test	\$75.00	\$ -
Q. Asphalt Content Gauge Calibration		each	\$200.00	\$ -
R. Asphalt Extraction (% Bitumen)			On Request	
S. Asphalt (Hveem) Mix Design			On Request	
T. Brass Tube (Liner)		each	\$5.00	\$ -
U. Cleanness Value (CT 227)		each	\$75.00	\$ -
Compaction Curves (ASTM D 1557 or Caltrans CT216):				
V. 4-inch Mold		each	\$200.00	\$ -
W. 6-inch Mold		each	\$200.00	\$ -
X. Check Point		each	\$75.00	\$ -
Y. Concrete Compressive Strength (CT 521 or ASTM C39)		each ⁽²⁾	\$25.00	\$ -
Z. Concrete Linear Shrinkage (3 Bars)		3 bars	\$200.00	\$ -
AA. Concrete Moisture		test (floor test)	\$25.00	\$ -
BB. Consolidation Test		each	\$300.00	\$ -
Direct Shear, per point: (ASTM D3080)				
CC. Consolidated-Drained (CD)		point	\$145.00	\$ -
DD. Unconsolidated-Undrained (UU) (Modified ASTM)		point	\$115.00	\$ -
EE. Consolidated-Undrained (CU) (Modified ASTM)		point	\$130.00	\$ -

FF. Additional cycles (each)		each	\$65.00	\$ -
GG. Disposable Concrete Molds		each	\$2.00	\$ -
HH. Durability Index		each	\$75.00	\$ -
II. Expansion Index		test	\$175.00	\$ -
JJ. Fireproofing Density		each	\$50.00	\$ -
KK. Grout Compressive Strength		each	\$40.00	\$ -
LL. LA Rattler (abrasion resistance)		test	\$200.00	\$ -
MM. Liquid Limit		each	\$100.00	\$ -
NN. Masonry Block Compressive Strength		each	\$65.00	\$ -
OO. Masonry Block Linear Shrinkage		each	\$85.00	\$ -
PP. Masonry Block Prism Compressive Strength		each	\$125.00	\$ -
QQ. Masonry Core Shear Test		core	\$50.00	\$ -
RR. Moisture Content		each	\$20.00	\$ -
SS. Moisture-Density Test		each	\$30.00	\$ -
TT. Particle Size Analysis (ASTM 422)		each	\$115.00	\$ -
UU. Percent Crushed Particles		each	\$125.00	\$ -
VV. Percent Entrained Air In Concrete		each	\$10.00	\$ -
WW. Percent Organics		each	\$50.00	\$ -
XX. Plastic Limit		each	\$50.00	\$ -
YY. Plasticity Index		each	\$150.00	\$ -
ZZ. R-Value		each	\$300.00	\$ -
AAA. Rice Specific Gravity of Asphalt (ASTM D2041)		each	\$75.00	\$ -
BBB. Sand Equivalent		each	\$50.00	\$ -
CCC. Sawing Rocks and Concrete Cores		unit	\$30.00	\$ -
DDD. Sieve Analysis--Coarse		each	\$50.00	\$ -
EEE. Sieve Analysis--Fine		each	\$60.00	\$ -
FFF. Sieve Analysis--Passing 200		each	\$45.00	\$ -
GGG. Specific Gravity, Rock		each	\$45.00	\$ -
HHH. Stabilometer of Premixed AC		each	\$75.00	\$ -
III. Sulfate Soundness		cycle	\$80.00	\$ -
JJJ. Swell Test		point	\$55.00	\$ -
Triaxial Compression				
KKK. Unconsolidated Undrained (TXUU) (ASTM D2850)		point	\$115.00	\$ -
LLL. Consolidated Undrained (TXCU) (ASTM D4767)		point	\$385.00	\$ -
MMM. Consolidated Drained (TXCD) (ACOE)		point	\$500.00	\$ -
NNN. Consolidated Undrained (TXCU-3 stage) (ASTM D4767)		test	\$810.00	\$ -
OOO. Consolidated Drained (TXCD-3 stage) (ACOE)		test	\$860.00	\$ -
PPP. USDA Bulk Density Test		each	\$30.00	\$ -
QQQ. USDA Textural Suitability Test		each	\$60.00	\$ -
RRR. Unconfined Compression		each	\$65.00	\$ -
SSS. Unit Weight of Lightweight Concrete		unit	\$50.00	\$ -
TTT. Nuclear Density Testing (2-hr min)	50	hr	\$25.00	\$ 1,250.00
UUU. Compaction Curve	10	test	\$200.00	\$ 2,000.00
Direct Charges:				
VVV. Cadd plots (black & white)	150	each	\$4.00	\$ 600.00
WWW. CADD plots (color)		each	\$20.00	\$ -
XXX. Copies	2000	each	\$0.15	\$ 300.00
YYY. Stakes, hubs, lath, etc.		Cost	Cost	
ZZZ. Vehicles		day	\$50.00	\$ -
TOTAL				\$ 35,240.00

NOTES:

1. List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
2. Proposed ODC items should be consistently billed regardless of client and contract type.

3. Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
 4. Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
 5. Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
 6. Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
 7. If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
 8. If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
 9. The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
 10. Add additional pages if necessary.
 11. Subconsultants must provide their own cost proposals.
 12. All samples of soil or rock from physical testing are discarded 30 days after submission of final report unless prior arrangements are made. Samples of soil or rock submitted for testing for hazardous substances will be returned to the Client, who is responsible for proper disposal.
 13. This fee schedule is subject to review and adjustment, as required.
 14. Certain services may require prevailing wages or overtime at premium pay to SHN employees. In such circumstances, fees will be adjusted to reflect increased labor costs.
- * 1/2 Day Minimum Charge.
- (1) If asphalt is delivered to SHN lab unmixed, add \$75.00/ea. for processing and mixing per Caltrans CT304.
- (2) If concrete is sampled and delivered to SHN lab by outside contractor, add \$5.00/ea. for processing and curing per ASTM C-31.

EXHIBIT 10-II2 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;

7. Generally Accepted Accounting Principles (GAAP)
8. Terms and conditions of the contract
9. Title 23 United States Code Section 112 - Letting of Contracts
10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Brenda Sigler Title *: CFO
 Signature: *Brenda Sigler* Date of Certification (mm/dd/yyyy): 9/18/18
 Email: bsigler@shn-engr.com Phone Number: 707-441-8855
 Address: 812 W. wabash Eureka CA, 95501

* 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:

engineering/design, environmental, construction management/inspections, geotechnical and surveying.

EXHIBIT 10-H4 COST PROPOSAL FOR CONTRACTS WITH PREVAILING WAGES

Project Name: [Blank]

40% of Prevailing Wages for Contractors with Prevailing Wages

Contract No. [Blank]

Contract Title: [Blank]

Summary table with columns: Item, Unit, Quantity, Unit Price, Total Price, etc.

Main cost proposal table with columns: Item Description, Unit, Quantity, Unit Price, Total Price, etc.

1. Prevailing Wages... 2. Total Price... 3. Notes...

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02



**Exhibit 10-H2 Cost Proposal
Specific Rate of Compensation - Humboldt County DPW On-Call Storm Damage**

Consultant: **Stantec Consulting Services Inc.** Subconsultant: **Stantec Consulting Services Inc.** Date: **September 2018**
 Project No. **DPW2018-005** Contract No. **DPW2018-005** Participation Amount: **\$300,000**
 Note: Mark-ups are Not Allowed
Fringe Benefit % **Overhead %** **General Administration %** **Combined %**
Combined Indirect Cost Rate (ICR) **54.08%** **31.44%** **82.97%** **168.49%**
FEE % **10%**

BILLING INFORMATION

Billing Level	Name/Job Title/Classification	Hourly Billing Rates			Effective Date of Hourly Billing Rates		Actual or Average Hourly Rate	% Annual Increase	Hourly Range - for Classifications Only
		Straight ^a	OT(1.5x)	OT(2x)	From	To			
15	Wirt Lanning*/Principal	\$198.26	\$198.26	\$198.26	1/1/2018	12/31/2018	\$67.13	3%	
		\$204.21	\$204.21	\$204.21	1/1/2019	12/31/2019	\$69.14	3%	
		\$210.34	\$210.34	\$210.34	1/1/2020	12/31/2020	\$71.22	3%	
		\$216.65	\$216.65	\$216.65	1/1/2021	12/31/2021	\$73.35	3%	
		\$223.14	\$223.14	\$223.14	1/1/2022	12/31/2022	\$75.56	3%	
Exempt									
14	Mark Weststube*/Principal (Regulatory Permitting)	\$176.49	\$176.49	\$176.49	1/1/2019	12/31/2019	\$59.76	3%	
		\$181.79	\$181.79	\$181.79	1/1/2020	12/31/2020	\$61.55	3%	
		\$187.24	\$187.24	\$187.24	1/1/2021	12/31/2021	\$63.40	3%	
		\$192.86	\$192.86	\$192.86	1/1/2022	12/31/2022	\$65.30	3%	
		\$198.65	\$198.65	\$198.65	1/1/2023	12/31/2023	\$67.26	3%	
Exempt									
15	Keith Maring*/Principal (Aquatic Resources)	\$205.97	\$205.97	\$205.97	1/1/2018	12/31/2018	\$69.74	3%	
		\$212.15	\$212.15	\$212.15	1/1/2019	12/31/2019	\$71.83	3%	
		\$218.51	\$218.51	\$218.51	1/1/2020	12/31/2020	\$73.99	3%	
		\$225.07	\$225.07	\$225.07	1/1/2021	12/31/2021	\$76.21	3%	
		\$231.82	\$231.82	\$231.82	1/1/2022	12/31/2022	\$78.49	3%	
Exempt									
10	Connie MacGregor*/CFQA, NEPA, and Permitting Task Leader/Project Manager	\$107.41	\$107.41	\$107.41	1/1/2018	12/31/2018	\$36.27	3%	
		\$110.64	\$110.64	\$110.64	1/1/2019	12/31/2019	\$37.46	3%	
		\$113.96	\$113.96	\$113.96	1/1/2020	12/31/2020	\$38.58	3%	
		\$117.38	\$117.38	\$117.38	1/1/2021	12/31/2021	\$39.74	3%	
		\$120.90	\$120.90	\$120.90	1/1/2022	12/31/2022	\$40.93	3%	
Exempt									
10	Kurt Bainbridge*/Associate Biologist	\$97.93	\$97.93	\$97.93	1/1/2018	12/31/2018	\$33.16	3%	
		\$100.87	\$100.87	\$100.87	1/1/2019	12/31/2019	\$33.15	3%	
		\$103.90	\$103.90	\$103.90	1/1/2020	12/31/2020	\$33.18	3%	
		\$107.02	\$107.02	\$107.02	1/1/2021	12/31/2021	\$33.23	3%	
		\$110.23	\$110.23	\$110.23	1/1/2022	12/31/2022	\$33.32	3%	
Exempt									
17	Senior Principal Engineer/Scientist Planner/Consultant	\$120.13	\$120.13	\$120.13	1/1/2018	12/31/2018	\$40.37	3%	\$87.51 to \$102.75
		\$123.13	\$123.13	\$123.13	1/1/2019	12/31/2019	\$41.38	3%	\$90.14 to \$105.83
		\$126.13	\$126.13	\$126.13	1/1/2020	12/31/2020	\$42.40	3%	\$92.84 to \$109.61
		\$129.13	\$129.13	\$129.13	1/1/2021	12/31/2021	\$43.43	3%	\$95.62 to \$112.28
		\$132.13	\$132.13	\$132.13	1/1/2022	12/31/2022	\$44.47	3%	\$98.49 to \$115.65
Exempt									
18	Principal Engineer/Scientist/Planner/Consultant	\$110.14	\$110.14	\$110.14	1/1/2018	12/31/2018	\$36.71	3%	\$74.77 to \$87.50
		\$113.14	\$113.14	\$113.14	1/1/2019	12/31/2019	\$37.71	3%	\$77.61 to \$90.13
		\$116.14	\$116.14	\$116.14	1/1/2020	12/31/2020	\$38.71	3%	\$80.52 to \$92.83
		\$119.14	\$119.14	\$119.14	1/1/2021	12/31/2021	\$39.71	3%	\$83.50 to \$95.61
		\$122.14	\$122.14	\$122.14	1/1/2022	12/31/2022	\$40.71	3%	\$86.55 to \$98.48
Exempt									
15	Principal				1/1/2018	12/31/2018	\$69.76	3%	\$64.76 to \$74.76

Billing Level

Billing Level	Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective Date of Hourly Billing Rates		Actual or Average Hourly Rate	% Annual Increase	Hourly Range - for Classifications Only
		Straight ³	OT(1.5x)	OT(2x)	From	To			
14 Exempt	Senior Associate II Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$71.85	3%	\$66.70 to \$77.00
					1/1/2020	12/31/2020	\$74.61	3%	\$68.70 to \$79.31
					1/1/2021	12/31/2021	\$76.23	3%	\$70.77 to \$81.69
					1/1/2022	12/31/2022	\$78.52	3%	\$72.89 to \$84.14
					1/1/2018	12/31/2018	\$60.63	3%	\$56.51 to \$64.75
13 Exempt	Principal Senior Associate I Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$62.45	3%	\$58.21 to \$66.69
					1/1/2020	12/31/2020	\$64.32	3%	\$59.95 to \$68.69
					1/1/2021	12/31/2021	\$66.25	3%	\$61.75 to \$70.73
					1/1/2022	12/31/2022	\$68.24	3%	\$63.60 to \$72.88
					1/1/2018	12/31/2018	\$52.88	3%	\$49.26 to \$56.50
12 Exempt	Associate II Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$54.47	3%	\$50.74 to \$58.20
					1/1/2020	12/31/2020	\$56.10	3%	\$52.26 to \$59.94
					1/1/2021	12/31/2021	\$57.78	3%	\$53.83 to \$61.74
					1/1/2022	12/31/2022	\$59.52	3%	\$55.44 to \$63.69
					1/1/2018	12/31/2018	\$46.26	3%	\$43.26 to \$49.25
11 Exempt/Non-exempt	Associate I Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$47.64	3%	\$44.56 to \$50.73
					1/1/2020	12/31/2020	\$49.07	3%	\$45.80 to \$52.23
					1/1/2021	12/31/2021	\$50.54	3%	\$47.27 to \$53.82
					1/1/2022	12/31/2022	\$52.06	3%	\$48.69 to \$55.43
					1/1/2018	12/31/2018	\$40.76	3%	\$38.26 to \$43.25
10 Exempt/Non-exempt	Staff III Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$41.98	3%	\$39.41 to \$44.55
					1/1/2020	12/31/2020	\$43.24	3%	\$40.59 to \$45.88
					1/1/2021	12/31/2021	\$44.53	3%	\$41.81 to \$47.26
					1/1/2022	12/31/2022	\$45.87	3%	\$43.06 to \$48.68
					1/1/2018	12/31/2018	\$36.26	3%	\$34.26 to \$38.25
9 Exempt/Non-exempt	Staff II Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$37.34	3%	\$35.29 to \$39.40
					1/1/2020	12/31/2020	\$38.46	3%	\$36.35 to \$40.58
					1/1/2021	12/31/2021	\$39.62	3%	\$37.44 to \$41.80
					1/1/2022	12/31/2022	\$40.81	3%	\$38.56 to \$43.05
					1/1/2018	12/31/2018	\$32.51	3%	\$30.36 to \$34.25
8 Exempt/Non-exempt	Staff I Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$33.48	3%	\$31.68 to \$35.28
					1/1/2020	12/31/2020	\$34.48	3%	\$32.62 to \$36.44
					1/1/2021	12/31/2021	\$35.52	3%	\$33.61 to \$37.43
					1/1/2022	12/31/2022	\$36.58	3%	\$34.62 to \$38.55
					1/1/2018	12/31/2018	\$29.27	3%	\$27.26 to \$30.77
7 Exempt/Non-exempt	Technician III Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$30.14	3%	\$28.50 to \$31.69
					1/1/2020	12/31/2020	\$31.05	3%	\$29.45 to \$32.64
					1/1/2021	12/31/2021	\$31.98	3%	\$30.27 to \$33.62
					1/1/2022	12/31/2022	\$32.94	3%	\$31.24 to \$34.63
					1/1/2018	12/31/2018	\$26.38	3%	\$24.91 to \$27.23
6 Non-exempt	Technician II Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$27.17	3%	\$25.76 to \$28.58
					1/1/2020	12/31/2020	\$27.99	3%	\$26.53 to \$29.44
					1/1/2021	12/31/2021	\$28.83	3%	\$27.33 to \$30.22
					1/1/2022	12/31/2022	\$29.69	3%	\$28.15 to \$31.33
					1/1/2018	12/31/2018	\$23.76	3%	\$22.51 to \$25.00
5 Non-exempt	Technician Engineer/Scientist/ Planner/Consultant				1/1/2019	12/31/2019	\$24.47	3%	\$23.19 to \$25.75
					1/1/2020	12/31/2020	\$25.20	3%	\$23.88 to \$26.52
					1/1/2021	12/31/2021	\$25.96	3%	\$24.60 to \$27.32
					1/1/2022	12/31/2022	\$26.74	3%	\$25.34 to \$28.14
					1/1/2018	12/31/2018	\$21.26	3%	\$20.01 to \$22.50
11 Non-exempt	Clerical/Tech Editor				1/1/2019	12/31/2019	\$21.89	3%	\$20.61 to \$23.18
					1/1/2020	12/31/2020	\$22.55	3%	\$21.23 to \$23.87
					1/1/2021	12/31/2021	\$23.23	3%	\$21.87 to \$24.59
			1/1/2022	12/31/2022	\$23.92	3%	\$22.52 to \$25.32		
			1/1/2018	12/31/2018	\$40.76	3%	\$38.26 to \$43.25		

Billing Level

Billing Level	Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective Date of Hourly Billing Rates		Actual or Average Hourly Rate	% Annual Increase	Hourly Range - for Classifications Only
		Straight ³	OT(1.5x)	OT(2x)	From	To			
Exempt/Non-exempt					1/1/2019	12/31/2019	\$41.98	3%	\$39.41 to \$44.55
					1/1/2020	12/31/2020	\$43.24	3%	\$40.59 to \$45.89
					1/1/2021	12/31/2021	\$44.55	3%	\$41.81 to \$47.26
					1/1/2022	12/31/2022	\$45.87	3%	\$43.06 to \$48.68
Non-exempt	Administrative Assistant				1/1/2018	12/31/2018	\$22.00	3%	\$9.00 to \$35.00
					1/1/2019	12/31/2019	\$22.00	3%	\$9.00 to \$35.00
					1/1/2020	12/31/2020	\$22.00	3%	\$9.00 to \$35.00
					1/1/2021	12/31/2021	\$22.00	3%	\$9.00 to \$35.00
					1/1/2022	12/31/2022	\$22.00	3%	\$9.00 to \$35.00

Notes:

1. 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.
2. The cost proposal format shall not be amended.
3. Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). 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. All costs must comply with the Federal cost principles for reimbursement.
4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.



**Exhibit 10-H2 Cost Proposal
Specific Rate of Compensation**

Consultant: Stantec Consulting Services Inc.

Subconsultant

SCHEDULE OF OTHER DIRECT COST ITEMS			
DESCRIPTION OF ITEMS	UNIT	UNIT COST	TOTAL
Special Tooling			
A. GPS	20	\$100.00	\$ 2,000.00
B. Drilling		at cost	
C. Laboratory Testing		at cost	
D. Records Search Fees	8	at cost (\$500)	\$ 4,000.00
Travel			
A. Mileage (personal, company)	25 trips/300 miles + 7,500	at IRS rate (\$0.545)	\$4,087.50
B. Tolls	per toll	at cost	
C. Parking		at cost	
D. Rental Vehicle and Gas		at cost	\$1,000
E. Lodging		at cost	\$2,500
F. Meals		at cost	\$ 1,500.00
G. Related Incidentals		at cost	\$ 500.00
Document Production			
A. Color: 8 1/2 x 11 / 11 x 17 (internal)	page	\$0.25 / \$0.50	\$ 1,250.00
B. Color: 8 1/2 x 11 / 11 x 17 (internal)	page	\$0.05 / \$0.10	\$ 750.00
C. Printing (outside services)		at cost	\$ 5,000.00
D. Postage/Shipping		at cost	\$1,000

NOTES:

1. List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
2. Proposed ODC items should be consistently billed regardless of client and contract type.
3. Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
4. Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).

5. Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost
6. Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules. Local Assistance Procedures Manual EXHIBIT 10-H2 Cost Proposal Page 6 of 9 January 2018
7. If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
8. If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
9. The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
10. Add additional pages if necessary.
11. Subconsultants must provide their own cost proposals.
12. Total are just gross estimates since actual scope of services have not been defined. Mark-ups are Not Allowed.

EXHIBIT 10-II2 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:

7. Generally Accepted Accounting Principles (GAAP)
8. Terms and conditions of the contract
9. Title 23 United States Code Section 112 - Letting of Contracts
10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
12. 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.

Prime Consultant or Subconsultant Certifying:

Name: James W. Grasty Title *: Senior Vice President
 Signature: James W. Grasty Digitally signed by James W. Grasty
DN: cn=James W. Grasty, o=Stantec, ou=Environmental
Date: 2018.09.12 01:58:12 -0700 Date of Certification (mm/dd/yyyy): 9/12/2018
 Email: jim.grasty@stantec.com Phone Number: 916-607-1536
 Address: 555 Capitol Mall, Suite 650, Sacramento, CA 95814

* 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:

Environmental

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardosa	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Note: Mark-ups are Not Allowed

Consultant DAZC Archaeology Prime Consultant Subconsultant Date 10/8/2018

Project No. DPW2018-005 Contract No. _____ Participation Amount \$ 50,000.00

0.0% Fringe Benefit % + 110.00% Overhead % + 0% General Administration % = 110.00% Combined Indirect Cost Rate (ICR) %

PEE % = 10%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ increase	Hourly range - for classifications only
	Straight ³	OT(1.5x)		From	To			
Principal Investigator 12+ yrs exp	\$115.50	\$173.25	\$231.00	1/1/2018	12/31/2018	\$50.00		50-103
	\$118.97	\$178.45	\$237.93	1/1/2019	12/31/2019	\$51.50	3.00%	
	\$122.53	\$183.80	\$245.07	1/1/2020	12/30/2020	\$53.05	3.00%	
Staff Archaeologist III 10+ years exp	\$99.33	\$149.00	\$198.66	1/1/2018	12/30/2018	\$43.00		40-60
	\$102.31	\$153.46	\$204.62	1/1/2019	12/31/2019	\$44.29	3.00%	
	\$105.38	\$158.07	\$210.76	1/1/2020	12/30/2020	\$45.62	3.00%	
Staff Archaeologist II 5-10 years exp	\$73.92	\$110.88	\$147.84	1/1/2018	12/30/2018	\$32.00		23-40
	\$76.14	\$114.21	\$152.28	1/1/2019	12/31/2019	\$32.96	3.00%	
	\$78.42	\$117.63	\$156.84	1/1/2020	12/30/2020	\$33.95	3.00%	
Staff Archaeologist I 1-4 years exp	\$64.68	\$97.02	\$129.36	1/1/2018	12/30/2018	\$28.00		15-28
	\$66.62	\$99.93	\$133.24	1/1/2019	12/31/2019	\$28.84	3.00%	
	\$68.62	\$102.93	\$137.24	1/1/2020	12/30/2020	\$29.71	3.00%	
GIS Specialist & Clerical Admin	\$87.78	\$131.67	\$175.56	1/1/2018	12/30/2018	\$38.00		15-50
	\$90.41	\$135.62	\$180.83	1/1/2019	12/31/2019	\$39.14	3.00%	
	\$93.13	\$139.69	\$186.25	1/1/2020	12/30/2020	\$40.31	3.00%	

- All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended.
- Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
- For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant DZC Archaeology Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 22-Aug-18

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Mileage Costs	1	per mile	\$ 0.55	\$0.55
Per Diem (meals, lodging, incidentals)	1	per Cotrans rates	\$ -	\$0.00
State Archives Record Search	1	per hour	\$ 150.00	\$150.00
4 x 4 Vehicle	1	per day	\$ 35.00	\$35.00
Sub-meter accuracy survey unit (Trimble/Bad Elf)	1	per day	\$ 85.00	\$85.00
1-3 meter accuracy survey unit (Garmin/Avenza)	1	per day	\$ 7.50	\$7.50
Archaeological Field test Kit (shovels, screens etc)	1	per day	\$ 25.00	\$25.00
Project specific consumables - excludes office	1	1	\$ -	\$0.00
Color Graphics - 33 x 44	1	per page	\$ 8.00	\$8.00
Color Graphics - 8.5 x 11	1	per page	\$ 1.00	\$1.00
Color Graphics - 8.5 x 14	1	per page	\$ 1.25	\$1.25
Color Graphics - 11 x 17	1	per page	\$ 2.00	\$2.00
B & W graphics - 8.5 x 11	1	per page	\$ 0.50	\$0.50
B & W graphics - 11 x 17	1	per page	\$ 1.00	\$1.00
B & W graphics	1		\$ -	\$0.00
Subconsultant 1:				\$0.00
Subconsultant 2:				\$0.00
Subconsultant 3:				
Subconsultant 4:				
Subconsultant 5:				

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

- 7. Generally Accepted Accounting Principles (GAAP)
- 8. Terms and conditions of the contract
- 9. Title 23 United States Code Section 112 - Letting of Contracts
- 10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
- 11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
- 12. 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.

Prime Consultant or Subconsultant Certifying:

Name: Dimitra Zalarvis-Chase Title *: Owner/Principal
 Signature : Dimitra Zalarvis-Chase Digitally signed by Dimitra Zalarvis-Chase
Date: 2018.10.09 17:01:05 -0700' Date of Certification (mm/dd/yyyy): 10/9/2018
 Email: dimitrazc@gmail.com Phone Number: 707-599-9842
 Address: 455 I Street, Suite 204, Arcata, CA 95521

* 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:

Cultural Resource Investigations

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardoso	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2
SPECIFIC RATE OF COMPENSATION

Note: Mark-ups are Not Allowed

Consultant William Rich and Associates Prime Consultant Subconsultant Date 6-Sep-18

Project No. DPW2018-005 Contract No. _____ Participation Amount \$ 50,000.00

0.0% Fringe Benefit % + 110.00% Overhead % + 0% General Administration % = 110.00% Combined Indirect Cost Rate (ICR) %

FEE % = 10%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ³	% or \$ increase	Hourly range - for classifications only
	Straight ⁴	OT(1.5x)		From	To			
William Rich- Principal Investigator	\$150.15	\$225.23	\$300.30	7/1/2018	6/30/2019	\$65.00		Not Applicable
	\$156.16	\$234.23	\$312.31	7/1/2019	6/30/2020	\$67.60	4.00%	
	\$162.40	\$243.60	\$324.80	7/1/2020	6/30/2021	\$70.30	4.00%	
Research Associate	\$92.40	\$138.60	\$184.80	7/1/2018	6/30/2019	\$40.00		Not Applicable
	\$96.10	\$144.14	\$192.19	7/1/2019	6/30/2020	\$41.60	4.00%	
	\$99.94	\$149.91	\$199.88	7/1/2020	6/30/2021	\$43.26	4.00%	
Research Assistant	\$64.68	\$97.02	\$129.36	7/1/2018	6/30/2019	\$28.00		Not Applicable
	\$67.27	\$100.90	\$134.53	7/1/2019	6/30/2020	\$29.12	4.00%	
	\$69.96	\$104.94	\$139.92	7/1/2020	6/30/2021	\$30.28	4.00%	
	\$0.00	\$0.00	\$0.00	7/1/2018	6/30/2019	\$0.00		
	\$0.00	\$0.00	\$0.00	7/1/2019	6/30/2020	\$0.00	0.00%	
	\$0.00	\$0.00	\$0.00	7/1/2020	6/30/2021	\$0.00	0.00%	
	\$0.00	\$0.00	\$0.00	7/1/2018	6/30/2019	\$0.00		
	\$0.00	\$0.00	\$0.00	7/1/2019	6/30/2020	\$0.00	0.00%	
	\$0.00	\$0.00	\$0.00	7/1/2020	6/30/2021	\$0.00	0.00%	

- All costs must comply with the Federal cost principles, Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended.
- Billing rate = actual hourly rate * (1 + ICR) * (1 + Fee). Indirect cost rates should be based on the consultant's annual accounting period, established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
- For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant William Rich and Associates Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 8/28/2018

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Mileage Costs (20 projects at 250 RT miles each)	5000	1	\$ 0.535	\$2,675
Misc. (Supplies, copies, etc.)	1	1	\$ 1,000.00	\$1,000
NWIC Record Search Fees (20 record searches @ 3 hrs each)	60	1	\$ 150.00	\$9,000

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

- 7. Generally Accepted Accounting Principles (GAAP)
- 8. Terms and conditions of the contract
- 9. Title 23 United States Code Section 112 - Letting of Contracts
- 10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
- 11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
- 12. 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.

Prime Consultant or Subconsultant Certifying:

Name: William C. Rich Title *: Principal Investigator

Signature : William C. Rich Digitally signed by William C. Rich
Date: 2018.09.06 12:28:47 -07'00' Date of Certification (mm/dd/yyyy): 09/06/2018

Email: wcr@williamrichandassociates.com Phone Number: 7078345347

Address: PO Box 184, Bayside, CA 95524

* 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:

Cultural resources investigations

**DPW2018-005 On-Call Professional Design Engineering
and/or Environmental Services**

**Summary of Cost Proposal Participation Amounts of
Prime Consultant and Subconsultants**

Dated: October 1, 2018

Consultant	Participation Amount
GHD Inc.	\$1,648,992.02
Biggs Cardoso	\$250,000.00
Crawford	\$200,000.00
Ghirardelli	\$300,000.00
Points West	\$100,000.00
SHN	\$400,000.00
Stantec	\$300,000.00
DZC	\$50,000.00
WRA	\$50,000.00
Morrison	\$200,000.00
Total	\$3,498,992.02

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 2

Note: Mark-ups are Not Allowed

Consultant Morrison Structures, Inc. Prime Consultant Subconsultant Date 9/19/2018

Project No. DPW2018-005 Contract No. Participation Amount \$ 200,000.00

0.0% Fringe Benefit % + 226.84% Overhead % + 0% General Administration % = 226.84% Combined Indirect Cost Rate (ICR) %

FEE % = 10%

BILLING INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²	Effective date of hourly rate		Actual or Avg. hourly rate	% of \$ increase	Hourly range - for classifications only
		From	To			
R Morrison Jr. Structural Engineer	\$244.15	7/1/2018	6/30/2019	\$67.91	3.50%	Not Applicable
- E6	\$252.70	7/1/2019	6/30/2020	\$70.29	3.50%	Not Applicable
R Morrison Sr. Senior Engineer	\$261.54	7/1/2019	6/30/2021	\$72.75	3.50%	Not Applicable
E5	\$260.48	7/1/2019	6/30/2020	\$72.45	3.50%	Not Applicable
D Roesner Associate Engineer	\$269.59	7/1/2020	6/30/2021	\$74.99	3.50%	Not Applicable
E3	\$166.59	7/1/2019	6/30/2020	\$46.34	3.50%	Not Applicable
W Morrison Technician	\$64.71	7/1/2018	6/30/2019	\$18.00	3.50%	Not Applicable
T1	\$66.98	7/1/2019	6/30/2020	\$18.63	3.50%	Not Applicable
J Gallino Technician	\$111.42	7/1/2018	6/30/2019	\$30.99	3.50%	Not Applicable
T2	\$115.32	7/1/2019	6/30/2020	\$32.07	3.50%	Not Applicable

CALCULATION INFORMATION

Hourly Billing Rates ²		Effective date of hourly rate		Actual or Avg. hourly rate	% of \$ increase	Hourly range - for classifications only
Straight	OT(1.5x)	From	To			
\$244.15	\$366.23	7/1/2018	6/30/2019	\$67.91	3.50%	Not Applicable
\$252.70	\$379.05	7/1/2019	6/30/2020	\$70.29	3.50%	Not Applicable
\$261.54	\$392.31	7/1/2020	6/30/2021	\$72.75	3.50%	Not Applicable
\$260.48	\$390.71	7/1/2019	6/30/2020	\$72.45	3.50%	Not Applicable
\$269.59	\$404.39	7/1/2020	6/30/2021	\$74.99	3.50%	Not Applicable
\$166.59	\$241.44	7/1/2018	6/30/2019	\$44.77	3.50%	Not Applicable
\$172.42	\$258.63	7/1/2019	6/30/2020	\$46.34	3.50%	Not Applicable
\$64.71	\$97.07	7/1/2018	6/30/2019	\$18.00	3.50%	Not Applicable
\$66.98	\$100.47	7/1/2019	6/30/2020	\$18.63	3.50%	Not Applicable
\$69.32	\$103.99	7/1/2020	6/30/2021	\$19.28	3.50%	Not Applicable
\$111.42	\$167.12	7/1/2018	6/30/2019	\$30.99	3.50%	Not Applicable
\$115.32	\$172.97	7/1/2019	6/30/2020	\$32.07	3.50%	Not Applicable
\$119.35	\$179.03	7/1/2020	6/30/2021	\$33.20	3.50%	Not Applicable

1. All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.

2. The cost proposal format shall not be amended.

3. Billing rate = actual hourly rate * (1 + ICR) + (1 + Fec). Indirect cost rates should be based on the contractor's annual accounting period, established by a cognizant agency or accepted by Caltrans.

4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H COST PROPOSAL Page 2 of 2
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)

Consultant Morrison Structures, Inc Prime Consultant Subconsultant

Project No. DPW2018-005 Contract No. _____ Date 9/19/2018

SCHEDULE OF OTHER DIRECT COST ITEMS				
DESCRIPTION OF ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL
Mileage Costs	0	0	\$ -	
Equipment Rental and Supplies	0	0	\$ -	\$0
Permit Fees	0	0	\$ -	\$0
Plan Sheets	0	0	\$ -	\$0
Test	0	0	\$ -	\$0
Vehicle	0	0	\$ -	\$0
Subconsultant 1:				\$0
Subconsultant 2:				\$0
Subconsultant 3:				
Subconsultant 4:				
Subconsultant 5:				\$0

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 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:

- 7. Generally Accepted Accounting Principles (GAAP)
- 8. Terms and conditions of the contract
- 9. Title 23 United States Code Section 112 - Letting of Contracts
- 10. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
- 11. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
- 12. 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.

Prime Consultant or Subconsultant Certifying:

Name: ROBERT L. MORRISON, JR. Title*: PRESIDENT
 Signature: [Handwritten Signature] Date of Certification (mm/dd/yyyy): 9/19/18
 Email: bmorrison@morrisonstructures.com Phone Number: 530-246-8628
 Address: 1890 PARK MARINA DR., PIEDMONT, CA. 94601

* 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:

STRUCTURAL ENGINEERING

Attachment D – Consultant Certification of Contract Costs and Financial Management System (Exhibit 10-K)

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: GHD Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 166.98% OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money 0.26% (if applicable)

Fiscal period *7/1/16 – 6/30/17

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031


All A&E Contract Information:

- Total participation amount \$156,030,932 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 48.
- Years of consultant's experience with 48 CFR Part 31 is 25+.
- Audit history of the consultant's current and prior years (if applicable)

<input type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input type="checkbox"/> Caltrans ICR Audit
<input checked="" type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Bill Silva Title**: Principal

Signature:  Date of Certification (mm/dd/yyyy): 2-20-2018

Email**: bill.silva@ghd.com Phone Number**: 707-523-1010

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

Note: *Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.*

Distribution: 1) Original - Local Agency Project File
2) Copy - Consultant
3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: Biggs Cardosa Associates, Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 152.03 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * 1/1/2017 to 12/31/2017

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the fiscal period as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

Consultant Annual Certification of Indirect Costs and Financial Management System

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

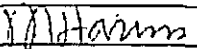
- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 35,000,000 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 32.
- Audit history of the consultant's current and prior years (if applicable)

<input type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input type="checkbox"/> Caltrans ICR Audit
<input type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name** : Mahvash Harms Title** : Principal
 Signature:  Date of Certification (mm/dd/yyyy): Oct 4, 2018
 Email** : mharms@biggscondosa.com Phone Number** : 408.296.5515

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

Note: Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.

Distribution: 1) Original - Local Agency Project File
 2) Copy - Consultant
 3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: Crawford & Associates, Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 223.59 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * 01/01/2017 - 12/31/2017

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23, United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

Consultant Annual Certification of Indirect Costs and Financial Management System

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 8,000,000 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 12.
- Audit history of the consultant's current and prior years (if applicable)

<input type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input checked="" type="checkbox"/> Caltrans ICR Audit
<input type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section-112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Tracy Adkins

Title**: Controller

Signature: *Tracy Adkins*

Date of Certification (mm/dd/yyyy): 10/29/2018

Email**: tracy.adkins@crawford-inc.com

Phone Number**: (916) 455-4225

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

Note: *Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.*

Distribution: 1) Original - Local Agency Project File
2) Copy - Consultant
3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: Ghirardelli Associates, Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent's company or subsidiaries.

Indirect Cost Rate:

Indirect Cost Rate: Home Office Rate 110.97 % Field Office Rate (if applicable) N/A %, and Facility Capital Cost of Money 0.03 % (if applicable) for **fiscal period** * 1/1/2017 - 12/31/2017

* Fiscal period is the annual one year accounting period that our Indirect Cost Rate was developed and based on (not the contract period) and that our financial statements are based on.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our consultant's financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost accounts;
- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;

- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirements.

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- The approximate dollar amount \$ 25,000,000 of all California government contracts for Architectural & Engineering services, which are subject to the Federal regulations, that the consultant received in the last three fiscal periods in Federal awards.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 17.
- Audit history of the consultant (Check all that apply)

<input type="checkbox"/> Cognizant ICR Audit	<input checked="" type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit
<input type="checkbox"/> Consultant's Internal ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input type="checkbox"/> Caltrans ICR Audit

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Standard Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Alain Charles

Title**: Corporate Controller

Signature Alain Charles Digitally signed by Alain Charles
Date: 2018.08.21 18:36:28 -0700Date of Certification (mm/dd/yyyy): 08/21/2018

Email**: acharles@ghirardellassoc.com

Phone Number **: 408.435.5503 x2

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

Note: **Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.**

Distribution: 1) Original - Local Agency Project File
2) Copy - Consultant
3) Copy - Caltrans Audits and Investigation

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: SHN Consulting Engineers & Geologists, Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 170.17 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * 1/1/17-12/31/17

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the fiscal period as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

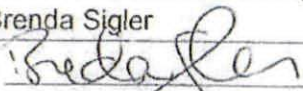
- Total participation amount \$ 11,000,000 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 2.
- Years of consultant's experience with 48 CFR Part 31 is 20 years.
- Audit history of the consultant's current and prior years (if applicable)

<input type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input checked="" type="checkbox"/> Caltrans ICR Audit
<input type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Brenda Sigler

Title**: CFO

Signature: 

Date of Certification (mm/dd/yyyy): 08/24/2018

Email**: bsigler@shn-engr.com

Phone Number**: 707-441-8855

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

Note: *Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.*

Distribution: 1) Original - Local Agency Project File
2) Copy - Consultant
3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: Stantec Consulting Services Inc.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate _____ % OR

Home Office Rate 168.493 % and Field Office Rate (if applicable) 123.554 %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * 01/01/2017 - 12/31/2017

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

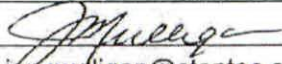
- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 134,427,175 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 50.
- Years of consultant's experience with 48 CFR Part 31 is 20 (+).
- Audit history of the consultant's current and prior years (if applicable)

<input checked="" type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input checked="" type="checkbox"/> Caltrans ICR Audit
<input checked="" type="checkbox"/> CPA ICR Audit	<input checked="" type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Jan Mulligan Title**: Senior Vice President - Financial Services
 Signature:  Date of Certification (mm/dd/yyyy): 07/20/2018
 Email**: jan.mulligan@stantec.com Phone Number**: 780-917-7046

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

Note: *Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.*

Distribution: 1) Original - Local Agency Project File
 2) Copy - Consultant
 3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: DZC Archaeology & Cultural Resource Management

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 110 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * January 1, 2018 to December 31, 2018

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 87,489 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 3.
- Audit history of the consultant's current and prior years (if applicable)

<input type="checkbox"/> Cognizant ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input type="checkbox"/> Caltrans ICR Audit
<input type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit	

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Dimitra Zalarvis-Chase Title**: Owner/Principal Investigator
 Signature: Dimitra Zalarvis-Chase Digitally signed by Dimitra Zalarvis-Chase
Date: 2018.08.25 09:07:53 -0700 Date of Certification (mm/dd/yyyy): 08/22/2018
 Email**: dimitrazc@gmail.com Phone Number**: 707-599-9842

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

Note: **Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.**

Distribution: 1) Original - Local Agency Project File
 2) Copy - Consultant
 3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: William Rich and Associates

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 110 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * January 1, 2017-December 31, 2017

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 0 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 1.
- Audit history of the consultant's current and prior years (if applicable)
 - Cognizant ICR Audit
 - Local Gov't ICR Audit
 - Caltrans ICR Audit
 - CPA ICR Audit
 - Federal Gov't ICR Audit

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: William Rich Title**: Principal Investigator
 Signature: William C. Rich Digitally signed by William C. Rich Date: 2018.08.29 13:57:54 -0700' Date of Certification (mm/dd/yyyy): 08/29/2018
 Email**: wcr@williamrichandassociates.com Phone Number**: 7078345347

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

Note: **Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.**

Distribution: 1) Original - Local Agency Project File
2) Copy - Consultant
3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: MORRISON STRUCTURES, INC.

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent company or subsidiaries.

Indirect Cost Rate:

Combined Rate 226.04 % OR

Home Office Rate _____ % and Field Office Rate (if applicable) _____ %

Facilities Capital Cost of Money _____ % (if applicable)

Fiscal period * 11/1/10 - 10/31/17

* Fiscal period is annual one year applicable accounting period that the Indirect Cost Rate was developed (not the contract period). The Indirect Cost Rate is based on the consultant's one-year applicable accounting period for which financial statements are regularly prepared by the consultant.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the fiscal period as specified above and have determined to the best of my knowledge and belief that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred subsequent to year-end affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A.

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost

Consultant Annual Certification of Indirect Costs and Financial Management System

accounts;

- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;
- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirement

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) contracts may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- Total participation amount \$ 1,625,000 on all State and FAHP contracts for Architectural & Engineering services that the consultant received in the last three fiscal periods.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 17.
- Audit history of the consultant's current and prior years (if applicable)
 - Cognizant ICR Audit Local Gov't ICR Audit Caltrans ICR Audit
 - CPA ICR Audit Federal Gov't ICR Audit

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2); 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: ROBERT L. MORRISON JR. Title**: PRESIDENT

Signature: [Handwritten Signature] Date of Certification (mm/dd/yyyy): 03/14/18

Email**: rmorrison@morrisonstructures.com Phone Number**: 530-240-8028

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

Note: *Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.*

- Distribution:
- 1) Original - Local Agency Project File
 - 2) Copy - Consultant
 - 3) Copy - Caltrans Audits and Investigations

**EXHIBIT 10-K CONSULTANT ANNUAL CERTIFICATION OF
INDIRECT COSTS AND FINANCIAL MANAGEMENT SYSTEM**

(Note: If a Safe Harbor Indirect Cost Rate is approved, this form is not required.)

Consultant's Full Legal Name: Points West Surveying Company

Important: Consultant means the individual or consultant providing engineering and design related services as a party of a contract with a recipient or sub-recipient of Federal assistance. Therefore, the Indirect Cost Rate(s) shall not be combined with its parent's company or subsidiaries.

Indirect Cost Rate:

Indirect Cost Rate: Home Office Rate 119.93 % Field Office Rate (if applicable) _____ %, and Facility Capital Cost of Money _____ % (if applicable) for **fiscal period** * 1/1/2017-12/31/2017

* Fiscal period is the annual one year accounting period that our Indirect Cost Rate was developed and based on (not the contract period) and that our financial statements are based on.

I have reviewed the proposal to establish an Indirect Cost Rate(s) for the **fiscal period** as specified above and have determined that:

- All costs included in the cost proposal to establish the indirect cost rate(s) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) 48, Code of Federal Regulations (CFR), Chapter 1, Part 31 (48 CFR Part 31);
- The cost proposal does not include any costs which are expressly unallowable under the cost principles of 48 CFR Part 31;
- The accounting treatment and billing of prevailing wage delta costs are consistent with our prevailing wage policy as either direct labor, indirect costs, or other direct costs on all federally-funded A&E Consultant Contracts.
- All known material transactions or events that have occurred affecting the consultant's ownership, organization, and indirect cost rates have been disclosed as of the date of this certification.

I am providing the required and applicable documents as instructed on Exhibit 10-A

Financial Management System:

Our labor charging, job costing, and accounting systems meet the standards for financial reporting, accounting records, and internal control adequate to demonstrate that costs claimed have been incurred, appropriately accounted for, are allocable to the contract, and comply with the federal requirements as set forth in Title 23 United States Code (U.S.C.) Section 112(b)(2); 48 CFR Part 31.201-2(d); 23 CFR, Chapter 1, Part 172.11(a)(2); and all applicable state and federal rules and regulations.

Our consultant's financial management system has the following attributes:

- Account numbers identifying allowable direct, indirect, and unallowable cost accounts;
- Ability to accumulate and segregate allowable direct, indirect, and unallowable costs into separate cost accounts;
- Ability to accumulate and segregate allowable direct costs by project, contract and type of cost;

- Internal controls to maintain integrity of financial management system;
- Ability to account and record costs consistently and to ensure costs billed are in compliance with FAR;
- Ability to ensure and demonstrate costs billed reconcile to general ledgers and job costing system; and
- Ability to ensure costs are in compliance with contract terms and federal and state requirements.

Cost Reimbursements on Contracts:

I also understand that failure to comply with 48 CFR Part 16.301-3 or knowingly charge unallowable costs to Federal-Aid Highway Program (FAHP) may result in possible penalties and sanctions as provided by the following:

- Sanctions and Penalties - 23 CFR Part 172.11(c)(4)
- False Claims Act - Title 31 U.S.C. Sections 3729-3733
- Statements or entries generally - Title 18 U.S.C. Section 1001
- Major Fraud Act - Title 18 U.S.C. Section 1031

All A&E Contract Information:

- The approximate dollar amount \$ 805,000 of all California government contracts for Architectural & Engineering services, which are subject to the Federal regulations, that the consultant received in the last three fiscal periods in Federal awards.
- The number of states in which the consultant does business is 1.
- Years of consultant's experience with 48 CFR Part 31 is 1.
- Audit history of the consultant (Check all that apply)

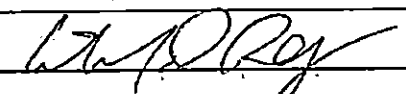
<input type="checkbox"/> Cognizant ICR Audit	<input checked="" type="checkbox"/> CPA ICR Audit	<input type="checkbox"/> Federal Gov't ICR Audit
<input checked="" type="checkbox"/> Consultant's Internal ICR Audit	<input type="checkbox"/> Local Gov't ICR Audit	<input checked="" type="checkbox"/> Caltrans ICR Audit

I, the undersigned, certify all of the above to the best of my knowledge and belief and that I have reviewed the Standard Indirect Cost Rate Schedule to determine that any costs which are expressly unallowable under the Federal cost principles have been removed and comply with Title 23 U.S.C. Section 112(b)(2), 48 CFR Part 31, 23 CFR Part 172, and all applicable state and federal rules and regulations. I also certify that I understand that all documentation of compliance must be retained by the consultant. I hereby acknowledge that costs that are noncompliant with the federal and state requirements are not eligible for reimbursement and must be returned to Caltrans.

Name**: Michael D. Pulley

Title**: Vice President, Principal + CFO

Signature



Date of Certification (mm/dd/yyyy): 02/01/2019

Email**: pulley@pointswestsurveying.com

Phone Number **: 707.840.9510

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

Note: Both prime and subconsultants as parties of a contract must complete their own Exhibit 10-K forms. Caltrans will not process local agency's invoices until a complete Exhibit 10-K form is accepted and approved by Caltrans Audits and Investigations.

Distribution: 1) Original - Local Agency Project File
 2) Copy - Consultant
 3) Copy - Caltrans Audits and Investigation