

AMENDMENT NO. 1

CITY OF CHICO - SERVICE PROVIDER AGREEMENT

AGREEMENT DATED AUGUST 11, 2021

BETWEEN CITY OF CHICO

AND

NVS, INC.
Provider

ON-CALL GEOTECHNICAL ENGINEERING
& MATERIALS TESTING SERVICES
Project Title

VARIOUS
Budget Account Number


THIS SERVICE PROVIDER AGREEMENT AMENDMENT (Amendment) is entered into on MARCH 30, 2022, between the City of Chico, a municipal corporation under the laws of the State of California (City), and Psomas, (Provider). On March 20, 2020, City and Provider entered into "City of Chico - Service Provider Agreement" (Agreement). The provisions of the Agreement are hereby amended as follows:

1. Exhibit C page C-1 through C-19 is hereby superseded and replaced by revised pages C1-R1 through C25-R1 attached hereto.
2. All other provisions of the Agreement shall remain in full force and effect.

CITY:



Matthew Madden, Interim City Manager*

PROVIDER:


By: Shane D. Cummings
Title Associate

*Authorized pursuant to Section 3.08.060 of the Chico Municipal Code

APPROVED AS TO FORM:



Vincent Ewing, City Attorney*

*Pursuant to The Charter of the
City of Chico, Section 906(D)


REVIEWED AS TO CONTENT:



Barbara Martin Scott
Scott Dowell, Administrative Services Director*

*Reviewed by Finance and Information Systems

APPROVED AS TO CONTENT:



Leigh Ann Sutton, Public Works Director,
Engineering

**AMENDMENT NO. 1
CITY OF CHICO – SERVICE PROVIDER AGREEMENT**

NV5, INC.
Provider

ON-CALL GEOTECHNICAL ENGINEERING
& MATERIALS TESTING SERVICES
Project Title

VARIOUS
Budget Account Number

AMENDED
EXHIBIT C

COMPENSATION

Total compensation for this Agreement shall not exceed \$900,000.00. Compensation for services shall be in accordance with the specified rates of compensation, shown on the following pages:

**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: Holdrege and Kull Consulting Engineers & Geologists, dba NV5

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 138.15 % and Field Office Rate (if applicable) 125.60 %

Facilities Capital Cost of Money 0.40 % (if applicable)

Fiscal period * 12/30/2018 - 12/28/2019

* 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 \$ 3,800,000.00 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 18.
- Years of consultant's experience with 48 CFR Part 31 is .
- 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**: Guillaume Gau

Title**: Sr. Vice President

Signature: 

Date of Certification (mm/dd/yyyy): 07/01/2020

Email**: Guillaume.Gau@nv5.com

Phone Number**: 858-385-2119

**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-H COST PROPOSAL (EXAMPLE #2) PAGE 1 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

Fringe Benefit % + Overhead % + General Administration % = Combined Indirect Cost Rate (ICR) %
 (= 0% if Included in OH) **16.54%** (= 0% if Included in OH) **121.61%** = **138.15%**
 FEE % = **10.00%**

BILLING INFORMATION

CALCULATION INFORMATION

C4-R1

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	OT(1.5x)	OT(2x)	From	To			
Project Assistant	\$59.49	\$89.24	\$118.98	7/1/2020	6/30/2021	\$22.71	5.0%	Not Applicable
	\$62.47	\$93.70	\$124.93	7/1/2021	6/30/2022	\$23.85	5.0%	
	\$65.59	\$98.39	\$131.18	7/1/2022	6/30/2023	\$25.04	5.0%	
AutoCAD operator	\$84.09	\$126.14	\$168.18	7/1/2020	6/30/2021	\$32.10	5.0%	Not Applicable
	\$88.30	\$132.44	\$176.59	7/1/2021	6/30/2022	\$33.71	5.0%	
	\$92.71	\$139.07	\$185.42	7/1/2022	6/30/2023	\$35.39	5.0%	
Technical Editor	\$63.95	\$95.92	\$127.89	7/1/2020	6/30/2021	\$24.41	5.0%	Not Applicable
	\$67.14	\$100.71	\$134.29	7/1/2021	6/30/2022	\$25.63	5.0%	
	\$70.50	\$105.75	\$141.00	7/1/2022	6/30/2023	\$26.91	5.0%	
Assistant Engineer/Geologist	\$57.63	\$86.45	\$115.26	7/1/2020	6/30/2021	\$22.00	5.0%	Not Applicable
	\$60.51	\$90.77	\$121.03	7/1/2021	6/30/2022	\$23.10	5.0%	
	\$63.54	\$95.31	\$127.08	7/1/2022	6/30/2023	\$24.26	5.0%	
Engineering Technician	\$68.92	\$103.38	\$137.85	7/1/2020	6/30/2021	\$26.31	5.0%	Not Applicable
	\$72.37	\$108.55	\$144.74	7/1/2021	6/30/2022	\$27.63	5.0%	
	\$75.99	\$113.98	\$151.98	7/1/2022	6/30/2023	\$29.01	5.0%	

- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
- Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Agreed upon billing rates are not adjustable for the term of contract.
- For named employees enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

NOTES:

- Denote all employees subject to prevailing wage with an asterisks (**)
- For "Other Direct Cost" listing, see page 7 of this Exhibit



EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 2 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

Fringe Benefit % + Overhead % + General Administration % = Combined Indirect Cost Rate (ICR) %
 (= 0% if Included in OH) **16.54%** (= 0% if Included in OH) **121.61%** = **138.15%**
 FEE % = **10.00%**

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	OT(1.5x)	OT(2x)	From	To			
Staff Engineer/Geologist	\$81.31	\$121.97	\$162.63	7/1/2020	6/30/2021	\$31.04	5.0%	Not Applicable
	\$85.38	\$128.07	\$170.76	7/1/2021	6/30/2022	\$32.59	5.0%	
	\$89.65	\$134.47	\$179.30	7/1/2022	6/30/2023	\$34.22	5.0%	
Project Engineer/Geologist	\$110.34	\$165.51	\$220.68	7/1/2020	6/30/2021	\$42.12	5.0%	Not Applicable
	\$115.86	\$173.78	\$231.71	7/1/2021	6/30/2022	\$44.23	5.0%	
	\$121.65	\$182.47	\$243.30	7/1/2022	6/30/2023	\$46.44	5.0%	
Senior Engineer/Geologist	\$139.78	\$209.68	\$279.57	7/1/2020	6/30/2021	\$53.36	5.0%	Not Applicable
	\$146.77	\$220.16	\$293.55	7/1/2021	6/30/2022	\$56.03	5.0%	
	\$154.11	\$231.17	\$308.22	7/1/2022	6/30/2023	\$58.83	5.0%	
Associate Engineer/Geologist	\$172.37	\$258.56	\$344.75	7/1/2020	6/30/2021	\$65.80	5.0%	Not Applicable
	\$180.99	\$271.49	\$361.98	7/1/2021	6/30/2022	\$69.09	5.0%	
	\$190.04	\$285.06	\$380.08	7/1/2022	6/30/2023	\$72.54	5.0%	
Principal	\$224.98	\$337.46	\$449.95	7/1/2020	6/30/2021	\$85.88	5.0%	Not Applicable
	\$236.22	\$354.34	\$472.45	7/1/2021	6/30/2022	\$90.17	5.0%	
	\$248.04	\$372.05	\$496.07	7/1/2022	6/30/2023	\$94.68	5.0%	

CS-R-1

- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
- Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Agreed upon billing rates are not adjustable for the term of contract.
- For named employees enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

NOTES:

- Denote all employees subject to prevailing wage with an asterisks (**)
- For "Other Direct Cost" listing, see page 7 of this Exhibit



EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 3 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

Fringe Benefit % + Overhead % + General Administration % = Combined Indirect Cost Rate (ICR) %
 (= 0% if Included in OH) **16.54%** (= 0% if Included in OH) **121.61%** = **138.15%**
 FEE % = **10.00%**

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	OT(1.5x)	OT(2x)	From	To			
Supervisory Technician	\$81.26	\$121.89	\$162.52	7/1/2020	6/30/2021	\$31.02	5.0%	Not Applicable
	\$85.32	\$127.99	\$170.65	7/1/2021	6/30/2022	\$32.57	5.0%	
	\$89.59	\$134.39	\$179.18	7/1/2022	6/30/2023	\$34.20	5.0%	
Construction Services Manager II	\$116.73	\$175.10	\$233.46	7/1/2020	6/30/2021	\$44.56	5.0%	Not Applicable
	\$122.57	\$183.85	\$245.14	7/1/2021	6/30/2022	\$46.79	5.0%	
	\$128.70	\$193.04	\$257.39	7/1/2022	6/30/2023	\$49.13	5.0%	
Field Soils and Materials Tester ** Soils/Asphalt - 1st SHIFT	\$177.19	\$265.79	\$354.39	7/1/2020	6/30/2021	\$67.64	5.0%	Not Applicable
	\$186.05	\$279.08	\$372.11	7/1/2021	6/30/2022	\$71.02	5.0%	
	\$195.36	\$293.03	\$390.71	7/1/2022	6/30/2023	\$74.57	5.0%	
Field Soils and Materials Tester ** Soils/Asphalt - 2nd SHIFT	\$184.58	\$276.87	\$369.16	7/1/2020	6/30/2021	\$70.46	5.0%	Not Applicable
	\$193.81	\$290.71	\$387.62	7/1/2021	6/30/2022	\$73.98	5.0%	
	\$203.50	\$305.25	\$407.00	7/1/2022	6/30/2023	\$77.68	5.0%	
ACI Concrete Tester ** 1st SHIFT	\$161.45	\$242.17	\$322.90	7/1/2020	6/30/2021	\$61.63	5.0%	Not Applicable
	\$169.52	\$254.28	\$339.04	7/1/2021	6/30/2022	\$64.71	5.0%	
	\$178.00	\$267.00	\$356.00	7/1/2022	6/30/2023	\$67.95	5.0%	

CG-R-1

- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
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- For named employees enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

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EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 4 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

Fringe Benefit % + Overhead % + General Administration % = Combined Indirect Cost Rate (ICR) %
 (= 0% if Included in OH) **16.54%** (= 0% if Included in OH) **121.61%** = **138.15%**
 FEE % = **10.00%**

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	OT(1.5x)	OT(2x)	From	To			
ACI Concrete Tester ** 2nd SHIFT	\$172.43	\$258.64	\$344.85	7/1/2020	6/30/2021	\$65.82	5.0%	Not Applicable
	\$181.05	\$271.57	\$362.09	7/1/2021	6/30/2022	\$69.11	5.0%	
	\$190.10	\$285.15	\$380.20	7/1/2022	6/30/2023	\$72.57	5.0%	
ICC Fireproofing ** 1st SHIFT	\$161.45	\$242.17	\$322.90	7/1/2020	6/30/2021	\$61.63	5.0%	Not Applicable
	\$169.52	\$254.28	\$339.04	7/1/2021	6/30/2022	\$64.71	5.0%	
	\$178.00	\$267.00	\$356.00	7/1/2022	6/30/2023	\$67.95	5.0%	
ICC Fireproofing ** 2nd SHIFT	\$172.43	\$258.64	\$344.85	7/1/2020	6/30/2021	\$65.82	5.0%	Not Applicable
	\$181.05	\$271.57	\$362.09	7/1/2021	6/30/2022	\$69.11	5.0%	
	\$190.10	\$285.15	\$380.20	7/1/2022	6/30/2023	\$72.57	5.0%	
Proofload/Torque Testing ** 1st SHIFT	\$161.45	\$242.17	\$322.90	7/1/2020	6/30/2021	\$61.63	5.0%	Not Applicable
	\$169.52	\$254.28	\$339.04	7/1/2021	6/30/2022	\$64.71	5.0%	
	\$178.00	\$267.00	\$356.00	7/1/2022	6/30/2023	\$67.95	5.0%	
Proofload/Torque Testing ** 2nd SHIFT	\$172.43	\$258.64	\$344.85	7/1/2020	6/30/2021	\$65.82	5.0%	Not Applicable
	\$181.05	\$271.57	\$362.09	7/1/2021	6/30/2022	\$69.11	5.0%	
	\$190.10	\$285.15	\$380.20	7/1/2022	6/30/2023	\$72.57	5.0%	

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- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
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EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 5 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

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Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

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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	OT(1.5x)	OT(2x)	From	To			
AWS/CWI Certified Welding ** Inspector - 1st SHIFT	\$193.88	\$290.82	\$387.76	7/1/2020	6/30/2021	\$74.01	5.0%	Not Applicable
	\$203.57	\$305.36	\$407.15	7/1/2021	6/30/2022	\$77.71	5.0%	
	\$213.75	\$320.63	\$427.51	7/1/2022	6/30/2023	\$81.60	5.0%	
AWS/CWI Certified Welding ** Inspector - 2nd SHIFT	\$208.00	\$312.00	\$416.00	7/1/2020	6/30/2021	\$79.40	5.0%	Not Applicable
	\$218.40	\$327.60	\$436.80	7/1/2021	6/30/2022	\$83.37	5.0%	
	\$229.32	\$343.98	\$458.64	7/1/2022	6/30/2023	\$87.54	5.0%	
ASNT Level II Non-Destructive ** Testing (NDT) Technician 1st SHIFT	\$193.88	\$290.82	\$387.76	7/1/2020	6/30/2021	\$74.01	5.0%	Not Applicable
	\$203.57	\$305.36	\$407.15	7/1/2021	6/30/2022	\$77.71	5.0%	
	\$213.75	\$320.63	\$427.51	7/1/2022	6/30/2023	\$81.60	5.0%	
ASNT Level II Non-Destructive ** Testing (NDT) Technician 2nd SHIFT	\$208.00	\$312.00	\$416.00	7/1/2020	6/30/2021	\$79.40	5.0%	Not Applicable
	\$218.40	\$327.60	\$436.80	7/1/2021	6/30/2022	\$83.37	5.0%	
	\$229.32	\$343.98	\$458.64	7/1/2022	6/30/2023	\$87.54	5.0%	

C8-R1

- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
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- For named employees enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

NOTES:

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EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 6 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
 (CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

Fringe Benefit % + Overhead % + General Administration % = Combined Indirect Cost Rate (ICR) %
 (= 0% if Included in OH) **16.54%** (= 0% if Included in OH) **121.61%** = **138.15%**
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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	OT(1.5x)	OT(2x)	From	To			
DSA Masonry/Shotcrete ** Inspector - 1st SHIFT	\$200.14	\$300.21	\$400.28	7/1/2020	6/30/2021	\$76.40	5.0%	Not Applicable
	\$210.15	\$315.22	\$420.30	7/1/2021	6/30/2022	\$80.22	5.0%	
	\$220.66	\$330.98	\$441.31	7/1/2022	6/30/2023	\$84.23	5.0%	
DSA Masonry/Shotcrete ** Inspector - 2nd SHIFT	\$211.01	\$316.52	\$422.03	7/1/2020	6/30/2021	\$80.55	5.0%	Not Applicable
	\$221.56	\$332.35	\$443.13	7/1/2021	6/30/2022	\$84.58	5.0%	
	\$232.64	\$348.96	\$465.28	7/1/2022	6/30/2023	\$88.81	5.0%	
ICC Certified Structural Inspector ** 1st SHIFT	\$193.88	\$290.82	\$387.76	7/1/2020	6/30/2021	\$74.01	5.0%	Not Applicable
	\$203.57	\$305.36	\$407.15	7/1/2021	6/30/2022	\$77.71	5.0%	
	\$213.75	\$320.63	\$427.51	7/1/2022	6/30/2023	\$81.60	5.0%	
ICC Certified Structural Inspector** 2nd SHIFT	\$208.00	\$312.00	\$416.00	7/1/2020	6/30/2021	\$79.40	5.0%	Not Applicable
	\$218.40	\$327.60	\$436.80	7/1/2021	6/30/2022	\$83.37	5.0%	
	\$229.32	\$343.98	\$458.64	7/1/2022	6/30/2023	\$87.54	5.0%	
Travel Time Tester/Inspector	\$70.10	\$105.15	\$140.20	7/1/2020	6/30/2021	\$26.76	5.0%	Not Applicable
	\$73.61	\$110.41	\$147.21	7/1/2021	6/30/2022	\$28.10	5.0%	
	\$77.29	\$115.93	\$154.57	7/1/2022	6/30/2023	\$29.50	5.0%	

- Names and classifications of consultant (key staff) team members must be listed. Provide separate sheets for prime and all subconsultant firms.
- Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Agreed upon billing rates are not adjustable for the term of contract.
- For named employees enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

NOTES:

- Denote all employees subject to prevailing wage with an asterisks (**)
- For "Other Direct Cost" listing, see page 7 of this Exhibit

**EXHIBIT 10-H COST PROPOSAL (EXAMPLE #2) PAGE 7 OF 8
SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
(CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)**

Consultant or Subconsultant Holdrege & Kull Consulting Engineers and Geologist, dba NV5 Contract No. _____ Date 9/29/2020

SCHEDULE OF OTHER DIRECT COST ITEMS														
PRIME CONSULTANT				SUBCONSULTANT #1				SUBCONSULTANT #2						
DESCRIPTION OF ITEMS	UNIT	UNIT COST	TOTAL	DESCRIPTION OF ITEMS	UNIT	UNIT COST	TOTAL	DESCRIPTION OF ITEMS	UNIT	UNIT COST	TOTAL			
Special Tooling				Special Tooling				Special Tooling						
A.				A.				A.						
B.				B.				B.						
C.				C.				C.						
Travel				Travel				Travel						
A.				A. Mileage	Mile	IRS Rate		A.						
B.				B. Per Deim	Day	GSA Rate		B.						
C.				C.				C.						
				*See attached fee schedule for lab testing, and										
PRIME TOTAL ODCs =				\$0	SUBCONSULTANT #1 ODCs =				\$0	SUBCONSULTANT #2 ODCs =				\$0

C10-R1

IMPORTANT NOTES:

1. List direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentations.
2. Proposed items should be consistently billed directly to all clients (Commercial entities, Federal Govt., State Govt., and Local Govt. Agency), and not just when the client will pay for them as a direct cost.
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.
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 their standard procedure for all of their contracts and that they do not own any vehicles purpose that could be used for the same purpose.

CITY OF CHICO ON-CALL NON-PREVALING WAGE FEE SCHEDULE - CHICO

PERSONNEL	HOURLY RATE
Project Assistant	\$85
AutoCAD Operator	\$105
Technical Editor	\$90
Assistant Engineer/Geologist	\$120
Staff Engineer/Geologist I	\$143
Staff Engineer/Geologist II	\$148
Project Engineer/Geologist I	\$165
Project Engineer/Geologist II	\$170
Senior Engineer/Geologist	\$175
Associate Engineer/Geologist	\$190
Principal	\$240
Expert Testimony and Deposition (four-hour minimum)	\$350
Laboratory Technician Shop Rate	\$90
Engineering Technician I	\$95
Engineering Technician II	\$105
Engineering Technician III	\$110
Shop Welding Inspector	\$107
Certified Welding Inspector (CWI/AWS)	\$119
Non-Destructive Testing (NDT) Technician	\$119
Project Manager I/Construction Services Manager I	\$130
Project Manager II/Construction Services Manager II	\$156
Senior Project Manager/Construction Services Manager III	\$175

FIELD EQUIPMENT	UNIT RATE
Cone Penetrometer	\$123 Half Day/\$196 Full Day
Core Drill Machine	\$168 Half Day/\$278 Full Day
DAQ III/Seismic Refraction Survey	\$380/Day
Ground Penetrating Radar/Profometer	\$440/Day
Schmidt Hammer	\$26/day
Mini-Excavator (Bobcat E 35, or equivalent)	\$500 Half Day/\$1000 Full Day
Tension Ram	\$34/Day
Simple Field Infiltrometer	\$90/Day

Notes

- For inspection call - out between 0 and 4 hours a minimum charge of 4 hours will be charged. Eight hours will be charged for work performed over 4 hours up to eight hours. Actual time will be charged for work performed over 8 hours, rounded up to the nearest half hour.
- A minimum 2-hour fee will be charged for scheduled site visits not cancelled in advance of arrival.
- Mileage and hourly rates will be charged portal to portal. Mileage will be billed at \$0.76 per mile.
- Outside services will be billed at our cost, plus 20 percent.
- Overtime rates for Saturday or over 8 hours/day: hourly rate times 1.5/Hour.
- Double time rates for Saturday, Sunday, holiday, over 8 hours/day, or over 12 hours/day: hourly rate times 2/Hour.
- Prevailing wage second shift rates: hourly rate plus \$20/Hour.
- Per Diem will be billed at cost plus 20 percent unless other arrangements are made.

CITY OF CHICO ON-CALL NON-PW LABORATORY TESTING SERVICES -CHICO

Soil	Aggregate	Concrete	Asphalt	ASTM TEST METHODS	UNIT COST
				■ ASTM A615 Reinforcing Steel Bend & Tensile Test to #6	\$124
				■ ASTM C39 Concrete Compressive Strength, 4x8	\$34
				■ ASTM C39 Concrete Compressive Strength, 6x12	\$50
				■ ASTM C40 Organic Impurities in Fine Aggregates for Concrete	\$42
				■ ASTM C78 Flexural Strength of Concrete	\$115
				■ ASTM C140 CMU Strength, Unit Weight, Absorption	\$250
				■ ASTM C780, C109 Compressive Strength Mortar	\$34
				■ ASTM C1019 Compressive Strength Grout	\$34
				■ ASTM C1314 Compressive Strength Masonry Prisms	\$125
■	■	■		■ ASTM C136 D422A Full Sieve Particle Size Analysis	\$148
■				■ ASTM D422B Long Hydrometer Particle Size Analysis (specific gravity not included)	\$148
■	■			■ ASTM D422C Full Sieve w/ Long Hydrometer Particle Size Analysis (specific gravity not included)	\$195
■	■			■ ASTM D698, D1557 Compaction Curves (4-inch mold)	\$224
■	■			■ ASTM D698, D1557 Compaction Curves (6-inch mold)	\$235
■	■			■ ASTM D854 Specific Gravity	\$100
■	■	■		■ ASTM C117, D1140 No. 200 Mesh Wash Particle Size Analysis	\$96
■	■			■ ASTM C131, CTM 211 Abrasion Resistance by LA Rattler	\$217
■				■ ASTM D2166 Unconfined Compression Shear Strength	\$122
■	■			■ ASTM D2216 Oven Moisture Content	\$34
■	■			■ ASTM D2419 Sand Equivalent	\$120
■	■			■ ASTM D2434 Constant Head Permeability	\$300
■	■			■ ASTM D2435 One-Dimensional Consolidation	\$280
■	■			■ ASTM D2844 Resistance Value	\$302
■	■			■ ASTM D2850 Unconsolidated, Undrained, Triaxial Shear Strength (per point)	\$162
■	■			■ ASTM D2937 Density-Moisture	\$39
■				■ ASTM D3080 Direct Shear Strength (3 points minimum)	\$336
■				■ ASTM D4318 Atterberg Indices (Dry Method)	\$169
■				■ ASTM D4767 Consolidated, Undrained, Triaxial Shear Strength (per point)	\$195
■				■ ASTM D4829 Expansion Index (UBC Expansion Index)	\$168
■				■ ASTM D4832 Strength of CLSM	\$49
■				■ ASTM D5084 Falling Head Permeability	\$278
				■ ASTM E605 Sprayed Fire-Resistive Materials Thickness and Density	\$104
CALIFORNIA TEST METHODS					UNIT COST
■	■	■	■	■ CTM 202 Analysis of Fine Coarse Aggregate	\$146
	■			■ CTM 205 Percent of Crushed Particles	\$96
	■	■		■ CTM 206 Specific Gravity/Absorption Coarse Aggregate	\$118
	■	■		■ CTM 207 Specific Gravity/Absorption Fine Aggregate	\$118
	■			■ CTM 208 Apparent Specific Gravity of Fine Aggregate	\$108
■	■			■ CTM 216 Maximum Wet Density Determination	\$238
■	■	■	■	■ CTM 217 Sand Equivalent	\$120
■	■	■	■	■ CTM 226 Moisture Content by Oven	\$34
■	■	■		■ CTM 227 Evaluating Cleanness of Coarse Aggregate	\$112
	■	■		■ CTM 229 Durability Index	\$168
	■	■	■	■ CTM 234 Uncompacted Void Content of Fine Aggregate	\$118
	■			■ CTM 235 Percent of Flat and Elongated Particles	\$97
		■		■ CTM 308 Bulk Density Hot Mix Asphalt (HMA)	\$42
		■		■ CTM 309 Max Specific Gravity of HMA	\$179
		■		■ CTM 370 Moisture Content with Microwave	\$27
		■		■ CTM 382 Asphalt Content by Ignition Method	\$176
		■		■ CTM 382 Asphalt Content by Ignition Method Correction Factor Development	\$538
		■		■ Caltrans LP 2, 3, 4 Aggregate Asphalt and Dust Proportion	\$179
OTHER TEST METHODS					UNIT COST
		■		■ AASHTO T312B Gyrotory Compaction, 6" Specimen, Lab Mix (add \$110 for asphalt rubber)	\$395
		■		■ AASHTO T312B Gyrotory Compaction, 6" Specimen, Plant Mix (add \$110 for asphalt rubber)	\$345
		■		■ AASHTO T324B Hamburg Wheel Track	\$1,535
	■			■ CBC 2105A.4 CMU Bond Shear Strength of Core	\$185

This is a partial list of the most common laboratory tests. ASTM/CTM Standards are used as guidelines.

2021 FEE SCHEDULE - CHICO

FIELD EQUIPMENT	UNIT RATE
All-Terrain Vehicle	\$50/Day
Cone Penetrometer	\$120 Half Day/\$190 Full Day
Core Drill Machine	\$161 Half Day/\$263 Full Day
DAQ III/Seismic Refraction Survey	\$360/Day
Ground Penetrating Radar/Profometer	\$415/Day
Schmidt Hammer	\$25/day
pH/Conductivity Meter	\$55/Day
Photoionization Detector (PID)	\$114/Day
Mini-Excavator (Bobcat E 35, or equivalent)	\$500 Half Day/\$1000 Full Day
Tension Ram	\$32/Day
Simple Field Infiltrometer	\$90/Day
Turbidity Meter	\$55/Day
Water Quality Meter (pH, conductivity, temperature, DO)	\$112/Day
1.5-Inch Pump and Controllers	\$150/Day
Gamma-Gamma downhole logging	4,500/day
4-Inch Pump with Trailer	\$175/Day

Notes

- Mileage and hourly rates will be charged portal to portal. Mileage will be billed at current IRS rate per mile.
- Overtime rates for Saturday, Sunday, holiday, or over 8 hours/day.
- Double time rates for Saturday, Sunday, holiday, over 8 hours/day, or over 12 hours/day.
- A minimum 2-hour fee will be charged for scheduled site visits not cancelled in advance of arrival.
- Per Diem will be billed at cost plus 20 percent unless other arrangements are made.

2021 LABORATORY TESTING SERVICES -CHICO

Soil	Aggregate	Concrete	Asphalt	ASTM TEST METHODS	UNIT COST
		■		ASTM A615 Reinforcing Steel Bend & Tensile Test to #6	\$122
		■		ASTM C39 Concrete Compressive Strength, 4x8	\$32
		■		ASTM C39 Concrete Compressive Strength, 6x12	\$40
		■		ASTM C40 Organic Impurities in Fine Aggregates for Concrete	\$40
		■		ASTM C78 Flexural Strength of Concrete	\$111
		■		ASTM C140 CMU Strength, Unit Weight, Absorption	\$212
		■		ASTM C780, C109 Compressive Strength Mortar	\$32
		■		ASTM C1019 Compressive Strength Grout	\$32
		■		ASTM C1314 Compressive Strength Masonry Prisms	\$120
■	■	■		ASTM C136 D422A Full Sieve Particle Size Analysis	\$148
■	■			ASTM D422B Long Hydrometer Particle Size Analysis (specific gravity not included)	\$148
■	■			ASTM D422C Full Sieve w/ Long Hydrometer Particle Size Analysis (specific gravity not included)	\$195
■	■			ASTM D698, D1557 Compaction Curves (4-inch mold)	\$224
■	■			ASTM D698, D1557 Compaction Curves (6-inch mold)	\$234
■	■			ASTM D854 Specific Gravity	\$98
■	■	■		ASTM C117, D1140 No. 200 Mesh Wash Particle Size Analysis	\$95
■	■			ASTM C131, CTM 211 Abrasion Resistance by LA Rattler	\$215
■	■			ASTM D2166 Unconfined Compression Shear Strength	\$120
■	■			ASTM D2216 Oven Moisture Content	\$32
■	■			ASTM D2419 Sand Equivalent	\$118
■	■			ASTM D2434 Constant Head Permeability	\$300
■	■			ASTM D2435 One-Dimensional Consolidation	\$274
■	■			ASTM D2844 Resistance Value	\$302
■	■			ASTM D2850 Unconsolidated, Undrained, Triaxial Shear Strength (per point)	\$160
■	■			ASTM D2937 Density-Moisture	\$38
■	■			ASTM D3080 Direct Shear Strength (3 points minimum)	\$330
■	■			ASTM D4318 Atterberg Indices (Dry Method)	\$166
■	■			ASTM D4767 Consolidated, Undrained, Triaxial Shear Strength (per point)	\$190
■	■			ASTM D4829 Expansion Index (UBC Expansion Index)	\$166
■	■			ASTM D4832 Strength of CLSM	\$48
■	■			ASTM D5084 Falling Head Permeability	\$275
■	■			ASTM E605 Sprayed Fire-Resistive Materials Thickness and Density	\$102
CALIFORNIA TEST METHODS					UNIT COST
■	■	■	■	CTM 202 Analysis of Fine Coarse Aggregate	\$144
	■		■	CTM 205 Percent of Crushed Particles	\$94
	■	■	■	CTM 206 Specific Gravity/Absorption Coarse Aggregate	\$116
	■	■	■	CTM 207 Specific Gravity/Absorption Fine Aggregate	\$116
	■		■	CTM 208 Apparent Specific Gravity of Fine Aggregate	\$106
■	■			CTM 216 Maximum Wet Density Determination	\$234
■	■	■	■	CTM 217 Sand Equivalent	\$118
■	■	■		CTM 226 Moisture Content by Oven	\$32
■	■	■		CTM 227 Evaluating Cleanness of Coarse Aggregate	\$112
	■	■		CTM 229 Durability Index	\$165
	■	■	■	CTM 234 Uncompacted Void Content of Fine Aggregate	\$116
	■		■	CTM 235 Percent of Flat and Elongated Particles	\$95
	■			CTM 308 Bulk Density Hot Mix Asphalt (HMA)	\$42
	■			CTM 309 Max Specific Gravity of HMA	\$176
	■			CTM 370 Moisture Content with Microwave	\$26
	■			CTM 382 Asphalt Content by Ignition Method	\$173
	■			CTM 382 Asphalt Content by Ignition Method Correction Factor Development	\$532
	■			Caltrans LP 2, 3, 4 Aggregate Asphalt and Dust Proportion	\$176
OTHER TEST METHODS					UNIT COST
		■		AASHTO T312B Gyrotory Compaction, 6" Specimen, Lab Mix (add \$110 for asphalt rubber)	\$380
		■		AASHTO T312B Gyrotory Compaction, 6" Specimen, Plant Mix (add \$110 for asphalt rubber)	\$380
		■		AASHTO T324B Hamburg Wheel Track	\$1,480
		■		CBC 2105A.4 CMU Bond Shear Strength of Core	\$182

This is a partial list of the most common laboratory tests. ASTM/CTM Standards are used as guidelines.

Analyses in RED denote that they are performed by a subcontractor, subject to their current pricing, terms, conditions, and TAT.

Organics	Methodology	Turn Around Time	Unit Rate
Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO)	EPA 8015B, EPA 8015B/5035A/5030B	5 Business Days	\$64.90
Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO) - Low Level	EPA 8015B, EPA 8015B/5035A/5030B	5 Business Days	\$71.39
Total Petroleum Hydrocarbons (TPH) as JP-4	EPA 8015B, EPA 8015B/5035A/5030B	5 Business Days	\$66.55
Total Petroleum Hydrocarbons (TPH) - GRO + BTEX	EPA 8015B/8021B or 8260B	5 Business Days	\$113.14
Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics (DRO) and/ or Motor Oil (MRO)	EPA 8015B	5 Business Days	\$93.17
Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics (DRO) and/ or Motor Oil (MRO) - Low Level	EPA 8015B	5 Business Days	\$111.80
Total Petroleum Hydrocarbons (TPH) as Stoddard Solvent or JP-5	EPA 8015B	5 Business Days	\$93.17
Total Petroleum Hydrocarbons (TPH) Carbon Chain ID (C8-10, C10-18, C18-28, C28-36, C36-40, Total C8-C40)	EPA 8015B	5 Business Days	\$102.49
Total Petroleum Hydrocarbons (TPH) Carbon Chain ID (C8-10, C10-18, C18-28, C28-36, C36-40, Total C8-C40) - Low Level	EPA 8015B	5 Business Days	\$112.75
Total Petroleum Hydrocarbons (TPH) Carbon Chain ID - Custom Breakdown (C4-40)	EPA 8015B	5 Business Days	\$146.41
Total Petroleum Hydrocarbons (TPH) Carbon Chain ID - Custom Breakdown (C4-40) - Low Level	EPA 8015B	5 Business Days	\$161.06
Methanol and/or Ethanol or Glycols	EPA 8015M	5 Business Days	\$146.41
BTEX / MTBE by GC/MS (Aromatic Volatile Organics)	EPA 8260B	5 Business Days	\$93.17
Volatiles Organic Compounds	EPA 8260B	5 Business Days	\$146.41
Volatiles Organic Compounds Extended List + Ketones	EPA 8260B	5 Business Days	\$161.06
Volatiles Organic Compounds - Low Level	EPA 8260B	5 Business Days	\$161.06
Volatiles Organic Compounds - Extended Low Level + Ketones	EPA 8260B	5 Business Days	\$177.17
Volatiles Organic Compounds + GRO by GC/MS	EPA 8260B	5 Business Days	\$179.69
Volatiles Organic Compounds + GRO by GC/MS - Low Level	EPA 8260B	5 Business Days	\$215.62
Volatiles Organic Compounds	EPA 624	5 Business Days	\$175.69
1,2,3-Trichloropropane SIM	EPA 8260 SIM	5 Business Days	\$146.41
PCBs	EPA 8082	5 Business Days	\$133.10
Organochlorine Pesticides	EPA 8081A	5 Business Days	\$133.10
Plychlorinated Biphenyls and Pesticides	EPA 608	5 Business Days	\$429.00
Organophosphorus Pesticides	EPA 8141A	7-10 Business Days	\$275.00
Chlorinated Herbicides	EPA 8151	7-10 Business Days	\$275.00
Semivolatile Organic Compounds	EPA 8270C	5 Business Days	\$292.82
Semivolatile Organic Compounds	EPA 625	5 Business Days	\$351.38
1,4-Dioxane (by modified isotope dilution technique)	EPA 8270 SIM	5 Business Days	\$292.82
NDMA	EPA 8270	7-10 Business Days	\$292.82
PNA's/PAH's (Polyaromatic Hydrocarbons) by 8270 SIM	EPA 8270 SIM	5 Business Days	\$292.82
PNA's/PAH's (Polyaromatic Hydrocarbons) by 8310	EPA 8310	7-10 Business Days	\$292.82
Dioxins and Furans	EPA 8290	10-15 Business Days	\$1,331.00
Total Recoverable Petroleum Hydrocarbons (TRPH)	EPA 1664 HEM/SGT	5 Business Days	\$96.80
Oil & Grease	EPA 1664-HEM	5 Business Days	\$79.86
Total Organic Carbon (water)	SM 5310B	5 Business Days	\$102.49
Total Organic Carbon (soil)	EPA 9060	7-10 Business Days	\$217.80
Dissolved Organic Carbon		5 Business Days	\$102.49
Total Organic Halogens (TOX) or Extractable Organic Halides	EPA 9020	7-10 Business Days	\$319.44
VOC Sampling Kits			
Terracore Kit - 3 Preserved VOA Vials and 1 Plastic Syringe	EPA 5035		\$31.94
Terracore Kit - 5 Preserved VOA Vials and 1 Plastic Syringe	EPA 5035		\$44.00
Gencore "Generic Encore" Sampling Capsule (1)	EPA 5035		\$13.31
Encore Sampling Capsule (1)	EPA 5035		\$26.62
Encore/ Gencore Sampling Handle Rental - Cost Per Week	EPA 5035		\$39.93
Encore/ Gencore Sampling Handle - Purchase	EPA 5035		\$319.44
Wipe Kit (1 wipe/kit)			\$31.94
Air Toxics (Lowest Dilution in 2 Runs)			
Volatiles Organic Compounds	EPA TO-15	7-10 Business Days	\$317.38
Volatiles Organic Compounds (8260 Target Analyte List)	EPA TO-15	7-10 Business Days	\$317.38
Volatiles Organic Compounds + GRO	EPA TO-15	7-10 Business Days	\$349.11
Volatiles Organic Compounds (Ultra-low level)	EPA TO-15 SIM	7-10 Business Days	\$380.85
Volatiles Organic Compounds	EPA TO-14	7-10 Business Days	\$278.18
TVPH as Gasoline	EPA TO-3	7-10 Business Days	\$219.62
TVPH as Gasoline/BTEX	EPA TO-3	7-10 Business Days	\$248.90
TVPH as Gasoline/BTEX/MTBE	EPA TO-3	7-10 Business Days	\$278.18
Dissolved gases in water - Ethane, Ethene, Methane	RSK-175	7-10 Business Days	\$252.89
Dissolved gases in water - Ethane, Ethene, Methane + CO₂	RSK-175	7-10 Business Days	\$275.00

Air Toxics Sampling Supplies			Unit Rate
1.4 Liter Canister Rental Fee - Initial 7 Calendar Days (Individual)			\$240.56
1.4 Liter Canister Rental Fee - Initial 7 Calendar Days (batch)			\$66.00
1.4 Liter Canister Rental Fee (Per Canister/ Day after 7 Calendar Days)			\$12.10
6 Liter Canister Rental Fee - Initial 7 Calendar Days (Individual)			\$251.56
6 Liter Canister Rental Fee - Initial 7 Calendar Days (batch)			\$77.00
6 Liter Canister Rental Fee - Initial 7 Calendar Days (SIM individual)			\$286.46
6 Liter Canister Rental Fee - Initial 7 Calendar Days (SIM batch)			\$215.24
6 Liter Canister Rental Fee (Per Canister/ Day after 7 Calendar Days)			\$14.52
1 Liter Tedlar Bag			\$33.00
1 Liter BottleVac (Includes Batch Certification)			\$44.00
Flow Controller Rental - Batch Certification			\$66.00
Flow Controller Rental - Individual Certification			\$88.00
Soil Vapor Sampling Train (Manifold) - Batch Certification			\$72.00
Soil Vapor Sampling Train (Manifold) - Individual Certification			\$99.00
1/4 In. Brass Nuts + Ferrules			\$2.00
1/4 In. Teflon Tubing (per foot)			\$6.00
Helium Shroud Rental (Per Unit)			\$363.00
6 Liter Canister Reservation Cancellation Fee (<5 Days)			\$251.55
1.4 Liter Canister Reservation Cancellation Fee (<5 Days)			\$229.55
Unused Canister Return Fee			\$229.55
Canister Shipment Fee (Includes Insurance) - 1.4 Liter Canister			\$40/ Canister
Canister Shipment Fee (Includes Insurance) - 6 Liter Canister			\$50/ Canister
Metals (Prep NOT Included)	Methodology	Turn Around Time	Unit Rate
Digestion/ Metals Prep	EPA 3050B	5 Business Days	\$5.50
Filtration for Dissolved Metals		5 Business Days	\$6.66
ICP Individual Metals	EPA 6010B	5 Business Days	\$33.28
ICP Group Metals (5-7 Metals)	EPA 6010B	5 Business Days	\$109.14
ICP Group Metals (8-14 Metals)	EPA 6010B	5 Business Days	\$138.42
ICP Group Metals (15 or More Metals)	EPA 6010B	5 Business Days	\$153.07
RCRA 8 Metals - Includes Mercury	EPA 6010B/7470A/7471A	5 Business Days	\$142.42
ICP Title 22 Metals (CAM 17)	EPA 6010B/7470A/7471A	5 Business Days	\$166.38
Custom CAM 17 (Only As+Ti by 6020)	EPA 6010B/6020/7470A/7471A	5 Business Days	\$219.62
ICP Individual Metals - Drinking Water	EPA 200.7	5 Business Days	\$39.93
ICP Group Metals (5-7 Metals) - Drinking Water	EPA 200.7	5 Business Days	\$130.97
ICP Group Metals (8-14 Metals) - Drinking Water	EPA 200.7	5 Business Days	\$166.11
ICP Group Metals (15 or More Metals) - Drinking Water	EPA 200.7	5 Business Days	\$183.68
ICP Title 22 Metals (CAM 17) - Drinking Water	EPA 200.7/ 245.1	5 Business Days	\$199.65
ICPMS Individual Metals	EPA 5020	5 Business Days	\$46.59
ICPMS Group Metals (5-7 Metals)	EPA 6020	5 Business Days	\$153.07
ICPMS Group Metals (8-14 Metals)	EPA 6020	5 Business Days	\$167.04
ICPMS Group Metals (15 or More Metals)	EPA 6020	5 Business Days	\$189.67
ICP Title 22 Metals (CAM 17)	EPA 6020B/7470A/7471A	5 Business Days	\$232.26
ICPMS Title 22 Metals (CAM 17)	EPA 200.8	5 Business Days	\$55.90
ICPMS Group Metals (5-7 Metals) - Drinking Water	EPA 200.8	5 Business Days	\$183.68
ICPMS Group Metals (8-14 Metals) - Drinking Water	EPA 200.8	5 Business Days	\$200.45
ICPMS Group Metals (15 or More Metals) - Drinking Water	EPA 200.8	5 Business Days	\$227.60
ICP Title 22 Metals (CAM 17)	EPA 200.8B/245.1	5 Business Days	\$278.71
ICPMS Title 22 Metals (CAM 17)	EPA 7470A/7471A	5 Business Days	\$42.59
Mercury by CVAA - Drinking Water	245.1	5 Business Days	\$51.11
Hexavalent Chromium (colorimetric)	EPA 7196A	5 Business Days	\$133.10
Hexavalent Chromium by IC	EPA 7199	7-10 Business Days	\$181.50
Hexavalent Chromium by IC - Drinking Water	EPA 218.6	7-10 Business Days	\$198.00
Trivalent Chromium	Calculation	5 Business Days	\$33.00
Ion Chromatography	Methodology	Turn Around Time	Unit Rate
Anion Scan	EPA 300.0	5 Business Days	\$119.79
Nitrate+Nitrite as N (EPA 300.0)	Calculation	5 Business Days	\$33.00
Single Ion (Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate, Sulfate)	EPA 300.0	5 Business Days	\$39.93
Perchlorate	EPA 314.0	5 Business Days	\$127.78

Inorganics	Methodology	Turn Around Time	Unit Rate
Acidity	SM 2310B(4a)	7-10 Business Days	\$46.72
Alkalinity	SM 2320B	5 Business Days	\$46.72
Asbestos PLM	OSHA Method ID-191	7-10 Business Days	\$21.80
Biochemical Oxygen Demand	SM 5210B	7-10 Business Days	\$124.58
Chemical Oxygen Demand	EPA 410.4	5 Business Days	\$94.88
Chlorine, Total Residual	SM 4500-Cl-G	5 Business Days	\$84.09
Cyanide, Ammonable	SM 4500-CN G	5 Business Days	\$124.58
Cyanide, Total	SM 4500-CN E	5 Business Days	\$124.58
Cyanide, Total - Low Level	SM 4500-CN E	5 Business Days	\$149.50
General Mineral Analyses	Various	7-10 Business Days	\$513.90
Hardness, Total	SM 2340 C	5 Business Days	\$56.06
Iron, Ferric	Phenanthroline Method	5 Business Days	\$62.29
Iron, Ferrous	Phenanthroline Method	5 Business Days	\$62.29
Nitrogen, Ammonia	ASTM D1426-08A	5 Business Days	\$70.79
Nitrogen, Nitrite	SM 4500-NO ₂ B	5 Business Days	\$93.41
Nitrogen, Total Kjeldahl	SM 4500NH ₃ C	7-10 Business Days	\$140.15
MBAS, Surfactants	SM 5540C	7-10 Business Days	\$113.26
Molsture, Percent	ASTM D2216	5 Business Days	\$37.37
Oxygen, Dissolved	SM 4500-O G	7-10 Business Days	\$56.06
Paint Filter Test	EPA 9095	5 Business Days	\$46.72
Permanganate	Colorimetry	5 Business Days	\$90.60
pH	SM 4500-H+ B/9045C/9040B	5 Business Days	\$28.03
Phosphate, Ortho	EPA 365.3	5 Business Days	\$109.01
Phosphorus, Total	EPA 365.3	5 Business Days	\$109.01
Solids, Total Dissolved	SM 2540 C	5 Business Days	\$37.37
Solids, Total Suspended	SM 2540 D	5 Business Days	\$37.37
Solids, Total	SM 2540 B	5 Business Days	\$37.37
Solids, Volatile	EPA 160.4	7-10 Business Days	\$70.08
Solids, Settleable	SM 2540 F	5 Business Days	\$37.37
Specific Conductance	EPA 120.1	5 Business Days	\$37.37
Sulfide, Total or Dissolved - Water	SM 4500-S-2 D	5 Business Days	\$102.78
Sulfide, Total - Soil	SM 4500-S-2 D(M)	5 Business Days	\$121.47
Temperature	Temperature	5 Business Days	\$28.03
Turbidity	EPA 180.1	5 Business Days	\$37.37
Hazardous Waste			
Ignitability	Methodology	Turn Around Time	Unit Rate
Ignitability - solids	EPA 1010	7-10 Business Days	\$108.90
Corrosivity (pH)	EPA 1030	7-10 Business Days	\$138.60
Reactivity (Cyanide and Sulfide)	EPA 9045C	5 Business Days	\$28.03
	Title 22	7-10 Business Days	\$130.81
Specialty Prep Methods			
STLC/TCPL/SPLP Bottle Extraction (TAT+2 Bus.Days Prep)	Methodology	Turn Around Time	Unit Rate
	Title 22/EPA WET/1311/1312	Analytical TAT + 2 Days	\$76.67
STLC/TCPL/SPLP ZHE Extraction (TAT + 2 Bus. Days Prep)	Title 22/EPA WET/1311/1312	Analytical TAT + 2 Days	\$91.04
Alumina Cleanup	SW 3610	Analytical TAT + 5 Days	\$91.04
Florisil Cleanup	SW 3620	Analytical TAT + 1 Days	\$28.75
Silica Gel Cleanup	SW3630	Analytical TAT + 1 Days	\$23.96
Other Stationary Lab Services			
Soil Composite of 4 oz Jars (up to 4:1)	Methodology	Turn Around Time	Unit Rate
		Analytical TAT + 1 Days	\$21.30
Water Composite of 1L Bottles (up to 4:1L)	Title 22/EPA WET/1311/1312	Analytical TAT + 2 Days	\$63.89
DI Water per Liter			\$22.00
Dry Weight/ Percent Molsture as an Add-On Analysis	ASTM D2216		\$13.31
Top 10 Tentatively Identified Compounds (TIC's)	EPA 8260 or 8270		\$53.24
Stormwater Kit w/ cooler			\$200.00
Stormwater Kit w/o cooler			\$150.00
Field Sampling Services - Air/ Soil Vapor			
Sampling Team Mobilization	Methodology		Unit Rate
Grab Sampling			\$600/ Day
Indoor/ Ambient Air Composite Sampling			\$200/ Hr
Sub-Slab/ Multi-nested Wells			\$200/ Hr
Cost Per Mile			\$4.00
Field Services Reservation Cancelation Fee (<5 Days)			\$600.00

Field Sampling Services - Soil/ Water/ Discharge		Methodology		Unit Price
Sampling Team Mobilization				\$600/ Day
Grab Sampling - Soil or Water				\$200/ Hr
ISCO 24 Hr Composite Sampling Package (Incl. Travel, Set-up, Sample Collection, and Disassembly)				\$700.00
ISCO Composite Sampler - Rental (Pick-Up Only)				\$275.00
Cost Per Mile for Sampling				\$4.00
Field Services Reservation Cancellation Fee (<5 Days)				\$600.00
TAT SURCHARGE SCHEDULE - Soil/ Water				
Level 0	Level 1	Level 2	Level 3	
Emergency <1 Business Day/ Weekend/ Holiday/ Overtime	1 Business Day (COB)	2 Business Days (COB)	3 Business Days (COB)	
300% (\$750 Min. Charge)	200%	150%	100%	
Level 4	Level 5	Standard TAT		
4 Business Days (COB)	5-7 Business Days (COB)			
65%	50%	7-10 Business Days		
Miscellaneous				Unit Price
Sample Disposal - Analyzed Sample				\$4.00
Sample Disposal - Non-analyzed Sample				\$14.00
Level III Data Package				3% Analytical (\$200 min)
Level IV Data Package				5% Analytical (\$200 min)
Geotracker EDF				3% Analytical (\$30 min)
EQUIS EDD				3% Analytical (\$30 min)
Customized EDD				TBD
Minimum Charge per Work Order				\$200.00
Work Order Cancellation Fee				\$200.00
Same Day Courier Request				\$100.00
TAT SURCHARGE SCHEDULE - Air/ Soil Vapor				
Level 0 - Air	Level 1 - Air	Air Level 2 - Air	Level 3 - Air	
Emergency <1 Business Day/ Weekend/ Holiday/ Overtime	1-2 Business Day (COB)	3-4 Business Days (COB)	5-6 Business Days (COB)	
400% (\$1250 Min. Charge)	200%	100%	65%	
Standard TAT - Air				
7-10 Business Days (COB)				
PAYMENT TERMS - Net 30 Days				
All Payment must receive by ATL within 30 days. Upon request, ATL will apply a 2% Early Pay Discount to invoice payments received by ATL within 15 Days or less				
31-60 Day Pay	60-90 Day Pay	LATE PAY POLICY (Paid at 90+ Days)	LATE PAY POLICY (Paid at 120+ Days)	
10% of any discounted rates will be revoke, resulting in an increase of approximately 10% from the original invoice amount	An additional 10% of any discounted rates will be revoked, resulting in an increase of approximately 20% from the original invoice amount	All discounted rates will revert to Current List Price, interest accrual on Current List Price rates will begin at a rate of 1% per month from 91st day.	Invoices will be sent to collections, costs associated with collecting will be added to balance due, and interest will continue to accrue at 1% per month.	
Terms and Conditions				
Subject to ATL Terms and Conditions (Available Upon Request)				
3275 Walnut Avenue, Signal Hill, CA 90755				
Questions: Call (800) 499-4388				www.atlglobal.com



PeneCore Drilling
 220 N. East Street
 Woodland, CA 95776
 Ph: 530-661-3600
Tuan@PeneCore.com

Date: 7/8/2020

Estimator		Project Name		Project Location	
Tuan Nguyen		General Pricing		General Pricing	
Line Item	Description	Unit	Unit Price	Quantity	Line Total
1.0	Mobilization/Demobilization Geoprobe	HR	\$ 275.00	0	\$ -
2.0	Mobilization/Demobilization 8040DT Geoprobe	HR	\$ 350.00	0	\$ -
3.0	Geoprobe 420 Limited Access (Surcharge)	DAY	\$ 600.00		
4.0	Geoprobe 6610/6712DT Tracked Rig	Day	\$ 2,000.00	0	\$ -
5.0	Geoprobe 7822DT Tracked Rig	Day	\$ 2,200.00	0	\$ -
6.0	Geoprobe 8040DT Tracked Rig	Day	\$ 3,750.00	0	\$ -
9.0	Vacmasters 4000 Air Knife	Day	\$ 2,200.00	0	\$ -
10.0	Well Development	Day	\$ 2,000.00	0	\$ -
11.0	Support Truck and Decontaminate Trailer	Day	\$ 250.00	0	\$ -
12.0	Liftgate Truck	DAY	\$ 450.00		
13.0	Weekend Work Surcharge (2-man Crew)	DAY	\$ 1,250.00		
14.0	Weekend Work Surcharge (3-man Crew)	DAY	\$ 1,750.00		
15.0	5'x1" DT 22 Liners	EA	\$ 15.00	0	\$ -
16.0	5'x2" DT 32 Liners	EA	\$ 18.00	0	\$ -
17.0	5'x3" DT 45 Liners	EA	\$ 22.00	0	\$ -
16.0	Soil Vapor Probe	EA	\$ 45.00	0	\$ -
17.0	Stop Valves	EA	\$ 5.00	0	\$ -
18.0	PRT Sampling to 5'	EA	\$ 50.00	0	\$ -
19.0	Teflon Tubing	FT	\$ 3.00	0	\$ -
20.0	SVP Materials	FT	\$ 1.50		
21.0	.5" PVC Sch 40	FT	\$ 3.00	0	\$ -
22.0	.5" PVC Sch 80	FT	\$ 3.00	0	\$ -
22.0	.75" PVC Sch 40	FT	\$ 4.00	0	\$ -
22.0	.75" PVC Sch 80	FT	\$ 4.00	0	\$ -
22.0	1" PVC Sch 40	FT	\$ 4.00	0	\$ -
22.0	1" PVC Sch 80	FT	\$ 4.00	0	\$ -
22.0	2" PVC Sch 40	FT	\$ 9.00	0	\$ -
22.0	2" PVC Sch 80	FT	\$ 9.00	0	\$ -
22.0	4" PVC Sch 40	FT	\$ 12.00	0	\$ -
22.0	4" PVC Sch 80	FT	\$ 12.00	0	\$ -
22.0	PVC For Groundwater Sampling	FT	\$ 5.00	0	\$ -
22.0	Well materials (PVC and Seal)	FT	\$ 18.00	0	\$ -
22.0	Overdrill 1" wells	FT	\$ 8.00		
22.0	Overdrill 2" wells	FT	\$ 10.00		
22.0	Overdrill 4" wells	FT	\$ 15.00	0	\$ -
22.0	Drill, Sample and Set 2" Wells	FT	\$ 20.00	0	\$ -
23.0	Drill, Sample and Set 4" Wells	FT	\$ 26.00	0	\$ -
24.0	5" x 8" flush well box	EA	\$ 125.00	0	\$ -
25.0	8" x 8" flush well box	EA	\$ 150.00	0	\$ -
26.0	12"X 12" flush well box	EA	\$ 175.00	0	\$ -
27.0	18"X 18" flush well box	EA	\$ 325.00	0	\$ -
28.0	Round Well Protector, 6" x 5'	EA	\$ 750.00	0	\$ -
28.0	Round Well Protector, 8" x 5'	EA	\$ 775.00	0	\$ -
29.0	Round Well Protector, 10" x 5'	EA	\$ 800.00	0	\$ -
30.0	Concrete pad	EA	\$ 450.00	0	\$ -
31.0	Bollard 5" and concrete	EA	\$ 150.00	0	\$ -
33.0	Borehole abandonment (up to 3")	FT	\$ 2.00	0	\$ -
35.0	Borehole abandonment (up to 8")	FT	\$ 10.00	0	\$ -

36.0	Drums	EA	\$	70.00	0	\$	-
37.0	Remove Well Boxes	EA	\$	50.00	0		
38.0	Concrete coring	DAY	\$	800.00	0		
39.0	Concrete coring	EA	\$	75.00	0	\$	-
39.0	Saw cut	EA	\$	125.00	0	\$	-
40.0	Starbit	EA	\$	50.00	0	\$	-
41.0	Daily Travel per crew member	DAY	\$	100.00	0		\$
42.0	Prevailing Wage (per crew member)	DAY	\$	600.00	0		
						Estimated Total	\$ -

Scope of Work:

PeneCore offers Direct Push, Hollow Stem Auger, Well Development, and Technician Services. Please call Tuan for your specific needs.

Rigs and Equipment

**Hollow Stem Auger Rigs: CME 75,
 Direct Push/Auger Combo Rigs: Geoprobe 7822DT, Geoprobe 6610, Geoprobe 8040DT, Geoprobe 6712
 Direct Push Rigs: Geoprobe 6600, Geoprobe 420M
 Vacmasters 4000 Air Knife Rig**

Estimate Terms & Conditions:

1. Estimate assumes 10-hr field day
2. Client is responsible for obtaining all permits
3. Client is responsible for analytical and disposal of IDIW
4. Client is responsible for locating and identifying subsurface utilities
5. PeneCore Drilling will not be responsible for damages to subsurface utilities
6. Cancellation within 24 hours will result in 15% cancellation fee
7. Finance charge of 1.5% per month will be realized for payments exceeding 30 days
8. Estimate valid for 90 days

EXHIBIT 10-H12COST PROPOSAL Page 8 of 8

Certification of Direct Costs:

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


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

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

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

Prime Consultant or Subconsultant Certifying:

Name: Guillaume Gau Title *: Senior Vice President

Signature:  Date of Certification: September 24, 2020

Email: Guillaume.Gau@NVS.com Phone number: (530) 478-1305

Address: 792 Searis Ave Nevada City, CA 95959

* 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:

2022 Laboratory Fee Schedule

Effective from January 1, 2022 until further notice. Field tests and QC/QA Testing provided by Quote

Aggregate Testing for HMA, Soils, and Concrete	ASTM	AASHTO	CTM	Fee
Sieve Analysis: Coarse and Fine with wash	C 136	T 27	202	\$150
Sieve Analysis: Coarse Only	C 136	T 27	202	\$75
Sieve Analysis: Fine Only	C 136	T 27	202	\$100
Sieve Analysis: Ignition Extraction Sample			202-A	\$150
Sieve Analysis: Solvent Extraction Sample	D 5444		202-A	\$160
Sand Equivelant	D 2419	T 176	217	\$135
Durability: Coarse Aggregate	D 3744	T 210	229	\$250
Durability: Fine Aggregate	D 3744	T 210	229	\$190
Cleanness Value			227	\$220
Specific Gravity: Fine Aggregate	C 128	T 84	207	\$290
Specific Gravity: Coarse Aggregate	C 127	T 85	206	\$150
Specific Gravity: Apparent			208	\$135
Crushed Particles: Coarse Aggregate (One and Two Face)	D 5821	T 335	205	\$170
Crushed Particles: Fine Aggregate (One Face only)			205	\$110
Flat and Elongated Particles	D 4791		235	\$200
Aggregate Moisture Content	C 566	T 255	226	\$65
Clay Lumps & Friable Particles	C 142			\$120
Lightweight Pieces	C 123			\$120
Fine Aggregate Angularity (FAA) *May require Fine Specific Gravity	C 1252	T 304	234	\$195
Organic Impurities	C 40			\$120
Abrasion Resistance LA Rattler	C 131 / 535	T 96	211	\$230
Resistance Value (R-value)	D 2844		301	\$360
Sodium Sulfate Soundness	C 88		214	\$500
Centrifuge Kerosene Equivelant: Coarse			303	\$150
Centrifuge Kerosene Equivelant: Fine			303	\$150

Soils	ASTM	AASHTO	CTM	Fee
Plasticity Index *Includes Liquid and Plastic Limit	4318 / 2487	T 89 / 90	204	\$330
Liquid Limit (Atterberg Limits)	D 4318	T 89		\$220
Plastic Limit (Atterberg Limits)	D 4318	T 90		\$120
Moisture Density: Standard Proctor	D 698	T 99		\$265
Moisture Density: Modified Proctor	D 1557	T 180		\$265
Relative Compaction (California Density Tube)			216	\$250
Resistance Value (R-Value)	D 2844	T 190	301	\$360
Resistance Value (R-Value) Treated Soil or Base	D 2844	T 190	301	\$425
Sand Equivelant	D 2419	T 176	217	\$135

2022 Laboratory Fee Schedule

Effective from January 1, 2022 until further notice. Field tests and QC/QA Testing provided by Quote

Hot Mix Asphalt - Hveem Method	ASTM	AASHTO	CTM	Fee
HMA Mix Tests - Complete Set with Air Voids		set	Set	\$575
HMA Mix Tests - Bulk Specific Gravity Only	1561/2726	T 247/166	304, 308	\$325
HMA Mix Tests - Stability Only	1561/1560	T 247/246	304, 366	\$325
Maximum Specific Gravity			309	\$165
Asphalt Content Ignition Method			382	\$185
Asphalt Content Oven Correction			382	\$500
Asphalt Binder Content - Chemical Extraction Method	D 2172		Method B	\$350
Tensile Strength Ratio (TSR) - Plant Produced			371	\$950
Tensile Strength Ratio (TSR) - Laboratory Produced			371	\$1,250

Hot Mix Asphalt - Marshall Method	ASTM	AASHTO	CTM	Fee
HMA Mix Tests - Complete Set with Air Voids	set	set		\$600
HMA Mix Tests - Flow and Stability Only	D 1559	T 245		\$425
HMA Mix Tests - Bulk Specific Gravity Only	D 1559	T 245/269		\$350
Maximum Specific Gravity		T 209		\$170
Asphalt Content		T 308		\$185
Asphalt Content Oven Correction		T 308		\$500
Tensile Strength Ratio (TSR) - Plant Produced		T283		\$950
Tensile Strength Ratio (TSR) - Laboratory Produced		T283		\$1,250

Hot Mix Asphalt - Gyatory Method	ASTM	AASHTO	CTM	Fee
HMA Mix Tests - Complete Set		set		\$625
RHMA Mix Tests - Complete Set (Includes 1 hour hold times)		set		\$700
Maximum Specific Gravity		T 209		\$165
Asphalt Binder Content - Ignition Method		T 308		\$185
Asphalt Content Oven Correction		T 308		\$500
Asphalt Binder Content - Chemical Extraction Method	D 2172		Method B	\$350
Hamburg Wheel Tracking (2 full sets per caltrans requirement)		T 324	Modified	\$950
Tensile Strength Ratio (TSR) - Plant Produced		T 283		\$950
Tensile Strength Ratio (TSR) - Laboratory Produced		T 283		\$1,250

Concrete	ASTM	AASHTO	CTM	Fee
6" x 12" or 4" x 8" Cylinder: Compression Strength (Per Cylinder)	C 39			\$35
6" x 6" x 18" Flexural Bream	C 78 / 293			\$100
6" x 6" x 30" Flexural Bream				\$105
Concrete Trail Batch (Slump Test, Unit Weight, Air, and 6 Cylinders)	Various			\$850
Concrete Technician - Half Day Rate	Various			\$650
Concrete Technician - Full Day Rate	Various			\$1,200
Cylinder Pick-Up Only Trip - Within 20 miles of PEI Office				\$110

Concrete Cylinder Casting, Air Meter, Slump Test, Kelly Ball, and Unit Weight completed under daily field rates.

2022 Laboratory Fee Schedule

Effective from January 1, 2022 until further notice. Field tests and QC/QA Testing provided by Quote

HMA Mix Design - Hveem Method	Fee
HMA Mix Design - Admin Review *Allowed on PEI original mix designs less than 24 months old	\$475
HMA Mix Design - Update *Allowed on PEI original mix designs older than 24 Months * Max 1.	\$1,425
HMA Mix Design - CEM 3513 JMF Verification *Requires Plant produced mix.	\$3,500
2006 Standard Coarse / Medium / Max Including all aggregate and Mix Tests	\$3,400
2010 Standard HMA Includes complete CEM 3511 and CEM 3512 (TSR + Hamburg Separate)	\$3,850
HMA Mix Design - Marshall Method	Fee
Marshall HMA Mix Design Base - FHWA, ACCE, and other standard specs	\$4,200
Marshall HMA Mix Design Custom - Speciality Specifications and Projects	\$4,500
HMA Mix Design - Gyrotory Method	Fee
HMA Mix Design - Admin Review *Allowed on PEI original mix designs less than 24 months old	\$475
HMA Mix Design - Update *Allowed on PEI original mix designs older than 24 Months * Max 1.	\$1,750
HMA Mix Design - CEM 3513SP JMF Verification *Requires Plant produced mix.	\$3,500
2018 Superpave JMF HMA Includes complete CEM 3511 and CEM 3512 (TSR + Hamburg Separate)	\$5,550
HMA Mix Design - LP-9 Data - For a PEI Mix Design	\$900
HMA Mix Design - JMF Verification TSR and Hamburg for design completion	\$1,750

Abe Construction Services Inc.

5111 Doolan Rd., Livermore, CA 94551 Phone: 925-944-6363 Fax:925-476-1588 Email: SA.ACS@ATT.net

January 1, 2022

Rate Schedule for GGL (Gamma-Gamma Logging) or CSL (Cross Sonic Logging) 2022 Rates

Pile quantities, lengths, diameters and logging quantities to be determined.

QTY.	DESCRIPTION	RATE / UNIT	COST
GGL or CSL FIELD TESTING			
?	GGL Equipment rental/logging Charge per ft tube logged	\$2.10 /ft	?
?	CSL Equipment Rental/logging Charge per ft tube pair (Per ft rates based on tube length below existing grade)	\$1.00 /ft	?
?	Minimum daily field charge (If daily per ft or per log charge is less than \$1200)	\$1,200.00 /day	?
?	Weekend or holiday premium charge	\$350.00 /day	?
REPORT / ANALYSIS/ ENGINEERING CHARGES			
?	GGLTest Report submittals	\$600.00 / each	?
?	CSLTest Report submittals	\$700.00 / each	?
?	Tomagraphy Analysis of CSL Data	\$700.00 / each	?
?	Caltrans PDDF Forms (If Required)	\$100.00 / each	?
?	Engineer for meetings, standby at site, Job specific training, Pile Mitigation	\$200.00 /hr	?
?	certified payroll reporting or job specific admin. (if required)	\$150.00 / each	
TRAVEL / MOB EXPENSES			
?	Engineer Travel Time (from Livermore, CA)	\$100.00 /hr	?
?	Vehicle Mileage (From Livermore, CA)	\$0.60 /mile	?
0	Overnight stay for consecutive test days (out of town jobs)	\$180.00 /day	?
Total Estimate			?

Notes & Terms:

- a) At least 7 days notice; the job may then be postponed with 24 hrs notice if necessary without charges.
If we receive less than 7 days notice, additional mobilization expenses may be negotiated.
- b) Standby charge of \$200/ hr will be charged if engineer must wait for access to piles for testing
- c) Working conditions for our engineer which conform with OSHA requirements AND SAFE ACCESS TO PILES
This quote is valid for 90 days.
- d) All PVC inspection tubes **must** be BLOWN DRY PRIOR TO TESTING AND SOUNDED WITH A DUMMY PROBE TO ENSURE THE TUBES ARE CLEAR AND STRAIGHT. THE DUMMY PROBE MUST BE A 60-INCH LONG BY 1.25-INCH PIECE OF STEEL PIPE AND PASS FREELY FROM TOP TO BOTTOM OF EACH TUBE.
- e) Quote assumes ACS insurance per attached certificate is acceptable as-is.
- f) Quote assumes that ACS is charging lump sum per test under a subcontract agreement as a non-A&E service provider not subject to 10H or safe harbor rates and that client will list ACS as a direct cost vendor rather than a sub-consultant/ sub contractor, and that FAR Title 48 & 49 requirements do not apply to ACS.

Please sign below indicating your acceptance of the above rates and terms and return by fax.

Company _____ Date _____