Exhibit B

Sonoma County Department of Transportation and Public Works

King Ridge Road over Big Austin Creek Bridge 20C0433 Replacement

Work Order No: C07001

Second Amendment to Scope of Work

FINAL DESIGN

Upon receiving written approval of this amendment from the COUNTY, the final design of this project will continue. CONSULTANT will incorporate the design changes and updates to the current standards for design and construction as described below. The following tasks explain the work necessary to incorporate these changes and the out of scope work that was performed. Design will incorporate COUNTY Standard Plans; standards per Caltrans Local Assistance Procedures, Highway Design and Traffic Manuals; most current applicable Caltrans Standard Plans and Specifications, and the current AASHTO Green Book. Standards used will be those in effect as of July 2023. New standards or modifications to standards which occur going forward may require redesign of particular project features. In this case, COUNTY agrees to compensate CONSULTANT for extra work which is required to meet the new or modified standards.

The bridge design will meet Caltrans and FHWA standards as noted below. The design will be in accordance with Caltrans' "Bridge Memos-to-Designers" and "Bridge Design Aids" manuals. AASHTO "LRFD Bridge Design Specifications, 8th edition", with Caltrans amendments dated April 2019, will serve as the design criteria. Bridge design will be based on the "LRFD" method, with HL93 with lowboy permit design vehicle live loading. Seismic design will be performed in accordance with Caltrans' "Seismic Design Criteria v2.0," (SDC) dated April 2019 with interim revisions dated October 2019 and Section 20 of Caltrans' "Memo-to-Designers" Manual. Detailing of bridge plans will be in accordance with the Caltrans "Bridge Design Details" manual. The Caltrans' Bridge Standard Details (XS Sheets) will be used as appropriate based on the same effective date. The project plans will be prepared incorporating as necessary the applicable most current Caltrans Standard Plans and Caltrans Revised Standard Plans. The project Special Provisions will be prepared using the most current Caltrans Standard Specifications and associated Standard Special Provisions. The project Construction Estimate (Bid Item List) will be prepared using the current Caltrans Construction Contract Development Guide, version 10.0, dated July 1, 2022 and the most current Caltrans Bid Items List (Coded Contract Items). Design work will be accomplished utilizing English units of measure.

This amendment scope of work is for providing Sonoma County with professional services required to deliver a complete construction document that is ready to bid for the King Ridge Road Bridge 20C0433 replacement project. The existing bridge is approximately 122 feet long by 16 feet wide and will be replaced with a 24 feet wide single span bridge. The replacement bridge will span Big Austin Creek to prevent placing foundations in the creek and to help minimize environmental impacts. To achieve this goal the work plan has been broken into the following Tasks knowing County will be providing environmental, permitting and right-of-way services for this project.

Task 1 - Project Management
Task 2 - Kick-off Meeting, Site Visit and Data Collection
Task 3 - Surveying and Right of Way Engineering
Task 4 - Utilities
Task 5 - Geotechnical and Foundation Report
Task 6 - Hydraulics Report
Task 7 – Environmental Exhibits Support
Task 8 - Bridge Replacement Type Selection Report
Task 9 - Prepare 30% Bridge General Plan and Foundation Plan
Task 10 - Prepare 65% Design Plans and 90% Plans, Specifications and Estimate
Task 11 - Final Plans, Specifications and Estimate
Task 12 - Construction Support

Task 1 - Project Management, Administration, Meetings, and QA/QC

Amendment 2 will need some additional project management services for final design.

The Project Manager will manage the project and coordinate all project issues and progress with the individual discipline managers. Each discipline manager will be responsible for the work involved in their discipline and they will coordinate with their staff for day to day activities. This will allow the Project Manager to stay focused on the overall project.

Workplan Management: HDR's workplan will be monitored on a monthly basis and updated as required to account for completion of work, schedule variations and staff utilization.

Budget Management: HDR will manage all charges to the project to control performance within budget limitations. HDR's computerized accounting system will be utilized to monitor and control budgets. Monthly progress reports and invoices will be prepared and submitted to the County.

Schedule Management: HDR will maintain a detailed Microsoft Project schedule, reporting monthly if required on critical path items. The schedule will show the beginning, ending, and duration of each work task or activity. The schedule will clearly show those tasks to be carried out by HDR; and also show those tasks performed by others, including County, sub-consultants, and other involved entities.

Administration Activities: HDR's project administration activities consist of project file setup both within HDR's Project Wise system (electronic filing) and paper files, developing sub-consultant agreements, monthly reporting and invoicing, copying correspondence and communication with the project team.

Deliverables:

- Project work plan
- Project schedule in MS Projects
- Project Develop Team (PDT) progress reports and schedules
- Meeting notes prepared by HDR and distribution to all attendees
- Local Assistance Procedures Manual (LAPM) documents required for this project

Meetings

It is anticipated that the PDT meetings recommended by HDR and approved by the County will meet as requested by the County to review progress, share information, perform risk monitoring and identify critical issues, reach decisions, and handle other items critical to the success of the project. Parikh and WRECO will attend one of the PDT meetings. HDR will prepare meeting minutes with copies of handouts and presentation materials for PDT meeting attendees.

As required by County through the CEQA/NEPA process, key environmental public meeting will be attended by HDR.

Deliverables:

- A total of three (3) PDT Meetings
- Environmental & Public Meetings; one (1) meeting
- PDT meeting minutes shall be provided to the County after each meeting.

Quality Assurance / Quality Control Activities

The Project Manager will assure that HDR's quality assurance and quality control procedures are applied and followed on all aspects of project work and deliverables. The quality control plan establishes a process for checking, correcting, and back checking design calculations, plan sheets, quantity take-offs, estimates, specifications, and project reports in advance of all major deliverables including County reviews and Caltrans oversight.

The Project Manager recognizes that HDR is responsible, as prime consultant, for the quality of the project deliverables, whether they are prepared by HDR staff or by another firm on the project team. Work will be done in accordance with County and Caltrans standards and guidelines.

Task 2 – Kick-off Meeting, Site Visit and Data Collection

No new scope for Amendment 2

Task 3 - Surveying and Right of Way Engineering

Topographic Survey

Amendment 2 may need some supplemental survey shoots to confirm final Caltrans approved Alignment 3 bridge and retaining walls existing ground for final design.

Right of Way Survey & Services

Amendment 2 will need some additional survey to confirm final Alignment 3 bridge and retaining walls boundary surveys.

Task 4 - Utilities

No new scope for Amendment 2

Task 5 - Geotechnical Report

Amendment 2 will need some additional geotechnical work done for Alignment 3 bridge and retaining walls Final Foundation Report. Final design parameters are need for soil nail retaining wall, precast concrete block retaining wall and gabion retaining wall.

Task 6 - Hydraulics Report

Amendment 2 will need some additional hydraulic work done for Alignment 3 bridge and retaining walls drainage. Following is drainage scope of work.

Hydraulic and Hydrology (Drainage) Report

WRECO will prepare a hydrologic and hydraulic analysis and prepare the drainage report.

Data Review

WRECO will review available data, including previous studies, provided by County and the Project Team. Key information to review will be the available hydrologic and hydraulic data, topographic survey, County and Caltrans Bridge Inspection Reports, as-built data, and maintenance records for the Project site.

Field Reconnaissance

WRECO will also conduct a field reconnaissance to assess the existing conditions in the vicinity of the Project site.

Design Basis Technical Memo

WRECO will prepare a technical memo summarizing the design criteria and guidelines for the drainage systems and stormwater best management practices (BMPs).

Deliverables:

- Design Basis Technical Memo (PDF)

Drainage Report

WRECO will review the available Project data and prepare design calculations to assess the capacity of the existing drainage systems. WRECO will prepare the Drainage Report, which will include design calculations to assess the need for any drainage improvements. The results and design recommendations will be summarized in the Drainage Report, which is expected to include the following:

- Evaluation of the existing conditions, including:

  - Evaluation of existing inlet interception capacities for systems impacted by the Project
  - Hydraulic analyses of existing onsite drainage systems, and comparison with proposed condition hydraulics for systems impacted by the Project

- Identification of drainage deficiencies

- Unusual and special conditions

- Evaluation of spread widths at widening areas

- Physical impacts and conflicts with drainage features from retaining wall installations

- Improvements to address drainage deficiencies

Deliverables:

- 35%, 95% and 100% Drainage Report (PDF)
- Final Drainage Report (PDF and 5 hard copies)

Task 7 – Environmental Exhibit Support

No new scope for Amendment 2

Task 8 - Bridge Replacement Type Selection Report

No new scope for Amendment 2. Since 2015 several versions of the Type Selection Report were prepared by HDR per County and Caltrans requested changes to bridge type, road alignment and retaining wall types. HDR investigated retrofitting existing bridge, replacing existing bridge with multi-span concrete slab bridge, multi-span steel girder bridge, multi-span precast concrete bridge, simple span precast concrete bridge, simple span cast-in-place concrete bridge and simple span steel girder bridge. HDR looked at several retaining wall layouts for 5 road alignments requested by County and Caltrans which was beyond original scope of work. Each alignment required retaining walls to retain approach cuts and fills. HDR looked at several types of retaining walls. Retaining wall types investigated ranged from sheet pile wall, soldier pile wall, ground anchor wall, soil nail wall, Mechanically Stabilized Earth (MSE) wall, cast-in-place concrete retaining wall, shotcrete retaining wall, precast concrete block wall, masonry retaining walls and gabion walls. Stage construction and access options were investigated for each of these alignments. This required additional HDR design effort beyond the original scope of work leading to need for Amendment 2 for final design.

Task 9 - Prepare 30% Bridge General Plan and Roadway Geometric Design

No new scope for Amendment 2. Since 2015 multiple 30% plans were prepared by HDR per County and Caltrans requested changes to bridge type, road alignment and retaining wall types. HDR developed 5 road alignments and estimates to help County and Caltrans decide best option to move forward with into final design. This extra HDR design effort lead to need for Amendment 2 to complete final design.

Task 10 - Prepare 65% Design Plans and 90% Plans, Specifications & Estimate

Design Standards

Design will conform to Chapter 11, “Design Standards,” of the Local Assistance Procedures Manual. PS&E will be prepared in English units in accordance with Chapter 12, “Plans, Specifications, & Estimates,” of the Local Assistance Procedures Manual.

Bridge Design/Plans

Upon approval of the Bridge General Plans, HDR will complete the design calculations for the replacement in accordance with Caltrans Bridge Design Manuals, incorporating recommendations from the Design Hydraulics

Study Report, the Foundation Report, and environmental documents. A detailed bridge replacement plan will be prepared, including, as necessary following plan sheets;

Since 2015 multiple plans were prepared by HDR per County and Caltrans direction that impacted original anticipated number of plan sheets needed for final design. Following is Amendment 2 anticipated plan sheets needed for final design.

Sheet	Plan Sheet	Title
1	T-1	Title Sheet
2	GN-1	General notes
3	CD-1	Survey Control Diagram
4	X-1	Typical Sections
5	PP-1	Plan and Profile - King Ridge Road
6	PP-2	Plan and Profile - King Ridge Road
7	PP-3	Plan and Profile - Private Driveway
8	CT-1	Construction Details No. 1
9	CT-2	Construction Details No. 2
10	GD-1	Contour Grading and Slope Protection
11	D-1	Drainage Site Plan
12	D-2	Drainage Layout
13	D-3	Drainage Details
14	U-1	Utility Plan
15	QT-1	Quantities
16	SC-1	Stage Construction and Traffic Handling
17	SPD-1	Signing and Pavement Delineation
18	TR-1	Tree Removal Plan
19	EC-1	Erosion Control Plan
		STRUCTURE PLANS
20	S-1	General Plan
21	S-2	Deck Contours
22	S-3	Foundation Plan
23	S-4	Abutment 1 Layout
24	S-5	Abutment 2 Layou
25	S-6	Abutment Details
26	S-7	Abutment Retaining Wall Details
27	S-8	Typical section
28	S-9	Girder layout
29	S-10	Girder Details No. 1
30	S-11	Girder Details No. 2
31	S-12	Structure Approach Drainage Details

32	S-13	Excavation and Backfill Details.
33	S-14	Log of Test Borings No. 1
34	S-15	Log of Test Borings No. 2
35	S-16	Log of Test Borings No. 3
36	S-17	Log of Test Borings No. 4
37	S-15	Retaining Wall No. 1 General Plan
38	S-16	Retaining Wall No. 1 Typical Sections and General Notes
39	S-17	Retaining Wall Foundation Plan
40	S-18	Retaining Wall No. 1 Structure Plan (Soil Nail Wall)
41	S-19	Retaining Wall No. 2 Structure Plan (Soil Nail Wall)
42	S-20	Soil Nail Wall Details No. 1
43	S-21	Soil Nail Wall Details No. 2
44	S-22	Soil Nail Wall Details No. 3
45	S-23	Drainage Details No. 1
46	S-24	Drainage Details No. 2
47	S-25	Architectural Treatment
48	S-26	Excavation and Backfill Details.
49	S-27	Retaining Wall No. 2 General Plan
50	S-28	Retaining Wall No. 2 Typical Sections and General Notes
51	S-29	Retaining Wall Foundation Plan
52	S-30	Retaining Wall No. 1 Structure Plan (Precast Concrete Block)
53	S-31	Precast Concrete Block Details
54	S-32	Drainage Details
55	S-33	Excavation and Backfill Details.
56	S-34	Retaining Wall No. 3 General Plan
57	S-35	Retaining Wall No. 3 Typical Sections and General Notes
58	S-36	Retaining Wall Foundation Plan
59	S-37	Retaining Wall No. 1 Structure Plan (MSE Gabion)
60	S-38	Retaining Wall No. 2 Structure Plan (MSE Gabion)
61	S-39	MSE Gabion Details No. 1
62	S-40	MSE Gabion Details No. 2
63	S-41	MSE Gabion Details No. 3
64	S-42	Drainage Details No. 1
65	S-43	Drainage Details No. 2
66	S-44	Architectural Treatment - Optional
67	S-45	Excavation and Backfill Details.

Roadway Design/Plans

Upon completion of necessary mapping and field surveys, and based upon preliminary design approved by the County for bridge replacement, HDR will prepare a geometric base map, preliminary layouts, profiles, and superelevation diagrams. These plan sheets will be prepared in accordance with County Standards. The layouts will include calculated horizontal alignment as a scale of 1"= 50' (English); the profiles will include calculated vertical alignment as a scale of 1"=50'horizontal. Typical cross sections will be prepared for proposed roadway improvements. All sheets will have datum information. Detailed road widening plan will be prepared, including, as necessary;

- Typical Cross Sections
- Layout, Profile, and Superelevation Diagrams
- Construction Details

Stage Construction and Traffic Handling Plans: HDR will prepare plans for stage construction and traffic handling for construction stages.

Technical Specifications: HDR will provide technical specifications based on Caltrans' Standards Special Provisions for County review for 90% submittal.

Bridge Independent Design Check: HDR will provide an independent design check of the bridge plans for the 90% submittal. The independent check will confirm structural adequacy and assure that details are complete and construable.

Engineer's Estimate: Engineer's Estimates will be prepared using local unit costs furnished by the County or included in the latest Caltrans Cost Data Book.

65% Deliverables:

- One (1) sets of full sized 24"x36" print of plans
- 11"x17" plans in PDF format
- The County's original red-lined set of comments

90% Deliverables:

- One (1) sets of full sized 24"x36" print of the complete plans
- 11"x17" complete plans in PDF format
- Two (2) copies of Technical Specifications in PDF format
- One (1) copy of the Engineers Estimate in PDF format
- The County's original red-lined set of comments

Task 11 – Prepare Final Plans, Specifications and Estimate

Design Review Meeting. Upon receipt of 90% comments, and prior to commencing revision, HDR will schedule a review session, if required, with the County to confirm intent of comments.

Specifications: HDR will prepare Special Provision for the project based on Caltrans' Standard Special Provisions and Standard Specifications. These will be modified, where appropriate, to meet County standards and requirements. County will provide "Boiler Plate Specifications" for the project. HDR will combine County "Boiler Plate Specifications" and project Technical Specifications into one document that will be used for bidding.

Update Engineer's Estimate: HDR will prepare updated Engineer's Estimates.

Calculations: HDR will provide design and design check calculations.

Quantities: HDR will provide Quantity and Quantity check calculations.

Resident Engineer's File: HDR will prepare a resident Engineer's Pending File in accordance with the EFPB information and Procedures Guide 4-2, and PDPM.

Final Submittal. HDR will furnish PS&E for advertising, as well as hard copy and electronic files of spreadsheets used to create the estimates. PS&E will incorporate resolution of 90% comments from reviewing agencies. Final PS&E package will be in format that is ready for bidding.

Deliverables:

HDR will submit upon completion of Final PS&E:

- One (1) set of full size vellum original tracings
- One (1) set of full size bond complete plans
- One (1) set of (11"x17") complete plans in PDF format
- One (1) copy of the Contract Specifications in Microsoft Word format
- One (1) Marginal Estimate in PDF format
- One (1) Design and Design Check Calculations
- One (1) Quantity and Quantity Check Calculations
- One (1) Work day schedule
- One (1) RE Pending File

Task 12 - Bidding Support

HDR will attend pre-bidding meeting with contractors. HDR will provide on-going consultation and interpretation of construction documents during the bidding of the proposed project including answering and documenting questions from prospective bidders and preparation of addenda. Bid analysis will be provided by the County.

October 24, 2024

Mr. Chet Jamgochian, P.E.
Civil Engineer
Sonoma County Public Infrastructure
2300 County Center Drive, Suite B-100
Santa Rosa, CA 95403

Work Order No: C07001
King Ridge Road over Big Austin Creek Bridge Replacement

Subject: King Ridge Road over Big Austin Creek Bridge Replacement Project
Addendum No. 2 for Final Design

Dear Mr. Jamgochian:

Since receiving notice to proceed for this project in 2014 HDR has dealt with many County and Caltrans design changes, along with COVID disruptions, that have impacted the King Ridge Road over Big Austin Creek Bridge replacement project budget and schedule.

The King Ridge Road Bridge replacement project is in a rural site with low traffic volumes in steep terrain. To prevent closure of existing bridge during construction and need for 30 mile detour County and Caltrans has directed HDR to review many alignments and structure types. These multiple bridge and alignment studies have added years and cost to the process of developing a bridge replacement construction package.

Following issues can be readily identified as contributing to the need for this budget amendment.

1. Initially the road alignment minimized need for approach retaining walls. County decided to move forward with a 35 mph design speed and terraced retaining walls. This was followed by subsequent alignment shift to find a way to minimize project cost. Through developing plans for several alignment shifts the current Alignment 3 was justified for final design. This extra design effort led to need for additional budget for Type Selection Report impacting original design budget.

2. To minimize environmental impacts during construction required several bridge types and alignments be investigated for Caltrans approval. This required several plans and estimates be developed for County and Caltrans review. This extra design effort impacted original design budget.

3. Justifying need to use simple span steel girder bridge to clear span creek verse less costly cast-in-place concrete box girder bridge required extra design effort that impacted original design budget.

4. The Caltrans approved Alignment 3 requires significant retaining wall designs and PS&E work requiring an estimated 67 plan sheets that exceeds the original 20 estimated plan sheets requiring extra design effort that has impacted original design budget.

5. COVID imposed unforeseen restrictions and hindered project development. Thus, requiring additional schedule and budget for impacted tasks.

6. Schedule: Five-year extension is requested to account for above additional unforeseen situations and construction support.

To maintain project momentum, original budget has been used to address these issues requiring a fee amendment to finish project final road and bridge design plans, specifications, estimate, right of way and package construction documents so project is ready for bidding.

Our amendment request seeks to appropriately increase task fees to deliver a high-quality plan, specification and estimate package necessary for construction of a successful project. Following is breakdown of current fees along with requested amendment amount.

The original bridge replacement design fee is:	$ 372,221.00
Amendment 1 extend agreement to December 31, 2023	$ 0.00
Amendment 2 for Final Design and Extension of Agreement to December 31, 2028	$ 944,138.60
Contract Amount total fee is:	$1,316,359.60

HDR is requesting additional fee of $944,138.60 to cover this extra work and complete project design.

As part of this amendment, HDR and all sub consultants employed by HDR will comply with all requirements imposed by Caltrans Pre-Award Audit. In addition, HDR certifies that:

- The sub consultants have not changed.
- HDR will meet original DBE goal of 4.11%. (WRECO was acquired by HDR but since King Ridge contract was signed by WRECO prior to being acquired by HDR their work on this project can be applied toward DBE goal as approved by Sonoma County.)

Please let us know if you have questions. Please contact me at (916) 817-4787 or email me at john.maniscalco@hdrinc.com

Sincerely,
HDR Engineering, Inc.

John Maniscalco, PE

Sonoma County
King Ridge Road Bridge (Br. No. 20C0433) Replacement Project

HDR COST PROPOSAL AMENDMENT TWO
(for approx. 140 ft Simple Span Bridge and three Retaining Walls)

Task No.	Description	PIC	Project Manager	PE QC	PE Bridge	EIT Bridge	PE Road	PE Road	PE Check	CAD Tech Bridge	CAD Tech Road	Admin. Support	TOTAL			
1	Project Management	0	206									96	302	$81,493.67		10.03%	
1	Meetings (3 for PM) (1 for Engineer)		24		8			8				8	48	$12,046.94		1.48%	
1	QA/QC			48									48	$12,487.20	$106,027.81	1.54%	13.0%
2	Kick-off Meeting/Data Collection												0	$0.00		0.00%	
2	Site Visit												0	$0.00		0.00%	
3	Surveying and Mapping												0	$0.00		0.00%	
4	Utilities Coordination												0	$0.00		0.00%	
5	Geotechnical Report												0	$0.00		0.00%	
6	Hydraulics Report												0	$0.00		0.00%	
7	Environmental Exhibit Support												0	$0.00	$0.00	0.00%	0.0%
8	Road Alignment Alternatives												0	$0.00		0.00%	
8	Bridge Layout Alternatives												0	$0.00		0.00%	
9	Type Selection Meeting/Select Alterative												0	$0.00		0.00%	
9	30% Roadway Geometric Design												0	$0.00		0.00%	
	30% Bridge GP and Foundation Plan												0	$0.00	$0.00	0.00%	0.0%
10	65% Roadway Plan		24				142	152			190		508	$88,566.07		10.90%	
10	65% Bridge Retaining Wall Design and Plan		24		223	240				616			1103	$209,583.33		25.79%	
10	90% Roadway Plan and Bridge Check		24		192	96	126	24	410	192	95		1159	$254,128.57		31.27%	
10	90% Quantities/Estimate		24		40	40	40	40					184	$36,960.72		4.55%	
10	90% SSP		24				40		40				104	$28,403.19	$617,641.88	3.49%	76.0%
11	Final Plan, Spec & Estimate		24		96	48	28	40		96	40		372	$72,528.16		8.92%	
													0	$0.00	$72,528.16	0.00%	8.9%
12	Bidding Assistance		24		8		8			16	8		64	$16,508.01		2.03%	
													0	$0.00	$16,508.01	0.00%	2.0%
	TOTAL HOURS	0	398	48	567	424	384	264	450	920	333	104	3892	**$812,705.85**	$812,705.85		
													3892				
	Percentage	0.00%	10.23%	1.23%	14.57%	10.89%	9.87%	6.78%	11.56%	23.64%	8.56%	2.67%					
	TOTAL DESIGN COST	$0.00	$139,909.76	$12,487.20	$130,583.58	$48,640.98	$92,801.69	$33,370.21	$115,870.25	$182,589.62	$46,617.99	$9,834.57	$812,705.85				
	HDR FEE SCHEDULE *	$338.09	$351.53	$260.15	$230.31	$114.72	$241.67	$126.40	$257.49	$198.47	$139.99	$94.56					
		2.89184	2.89184	2.89184	2.89184	2.89184	2.89184	2.89184	2.89184	2.89184	2.89184	2.89184					

Escalation for 100% of work being done in 2024	$	28,444.70
Escalation for 0% of work being done in 2025	$	-
Total Escalation	**$**	**28,444.70**

SUBCONTRACTOR COSTS	
Cinquini Passarino - Surveying	$10,749.00
Parikh - Geotechnical (DBE)	$25,000.00
WRECO - Hydraulics (DBE)	$63,338.04
SUBCONSULTANTS TOTAL COST	**$99,087.04**
OTHER COSTS	
Travel costs	$1,500.00
Shipping	$401.00
Reproduction	$2,000.00
OTHER TOTAL COST	**$3,901.00**
	$944,138.60

Sonoma County King Ridge Road Bridge 20C0433 Widening Project
Exhibit 10-H
COST PROPOSAL

Contract No. _____ Date: 10/11/2023

Consultant: HDR Engineering, Inc.

Classification	Name	Range	Hours		Initial Hourly Rate*	Total
Principal in Charge	Vikrant Sanghai	$80.00 - $125.00	0	@	$116.91	$0.00
Project Manager	John Maniscalco	$65.00 - $135.00	398	@	$121.56	$48,380.88
PE QC	Michael Kochly	$70.00 - $100.00	48	@	$89.96	$4,318.08
PE Bridge	Zhen Li	$37.00 - $90.00	567	@	$79.64	$45,155.88
Bridge EIT	Hibba Niaz	$30.00 - $60.00	424	@	$39.67	$16,820.08
PE Road	Glenn Armstrong	$30.00 - $95.00	384	@	$83.57	$32,090.88
PE Road	Hayley Quan	$25.00 - $55.00	264	@	$43.71	$11,539.44
PE Check	Chengwen Liu	$50.00 - $100.00	450	@	$89.04	$40,068.00
CAD Tech Bridge	Jon Vought	$30.00 - $85.00	920	@	$68.63	$63,139.60
CAD Tech Road	Debit Karki	$25.00 - $55.00	333	@	$48.41	$16,120.53
Admin Support	Lauren Hopkins	$15.00 - $45.00	104	@	$32.70	$3,400.80
			3892			

Subtotal Direct Labor Costs	$281,034.17	
Escalation for 100% of work being done in 2024	$9,836.20	
Escalation for 0% of work being done in 2025	$0.00	
Total Direct Labor Costs		$290,870.37

FRINGE BENEFITS	Rate	Total	
Fringe Benefits	49.58%	$144,213.53	
Total Fringe Benefits			$144,213.53
INDIRECT COSTS			
Overhead	108.62%	$315,943.39	
General and Administrative	0.00%	$0.00	
Total Indirect Costs			$315,943.39
OTHER COSTS			
Travel Costs		$1,500.00	
Shipping		$401.00	
Reproduction		$2,000.00	
Total Other Costs			$3,901.00
FEE (12%)			$90,123.27
SUBCONTRACTOR COSTS			$99,087.04

Cinquini Passarino - Surveying	$10,749.00
Parikh - Geotechnical (DBE)	$25,000.00
WRECO - Hydraulics (DBE)	$63,338.04

TOTAL COSTS $944,138.60

*Rates will be adjusted by 3.5% Annually in January