

Dewberry Engineers Inc (CONSULTANT) is requesting an amendment to complete the PS&E as discussed with the COUNTY. The amendment is necessary due to the following:

1. Additional focused meetings to obtain concurrence on the Strategy Report. CONSULTANT attended several meetings with Caltrans staff between January 2023 and June 2023 to obtain concurrence on the approved final strategy that would be funded by Caltrans.
2. Assisting the COUNTY with obtaining right-of-way concurrence.
3. Delays caused by additional time required to obtain R/W and Construction authorizations.
4. Revising the Special Provisions twice. Once to the 2022 standards then again to 2023 standards as required by Caltrans.
5. Assisting the COUNTY with obtaining new environmental permits.
6. Updating the design and independent check calculations to reflect changes in the isolation bearing used. Previously approved plans used a triple friction pendulum system. However, during the recent floods since 2017, the water table has reached the tops of the piers and above causing concerns due to the lack of positive connection between the superstructure and substructure with the triple friction pendulum system. Therefore, the bearings were switched to lead rubber which provides a positive connection between the superstructure and substructure. The bearing switch required the superstructure and substructure to be reanalyzed due to larger loads being transferred through the bearings and the plans and estimate be updated accordingly.

CONSULTANT is requesting an amendment in the amount of \$145,164.07 which increases the overall contract amount from \$969,877.10 to \$1,115,041.17. The increased design fee is approximately 6.2% of the construction cost which is significantly below the standard 15% design fee assumed for design services on typical projects. Due to the age, complexity and challenges associated with retrofitting this bridge, arguments can be made that the design fees should have been well above 15%.

DETAILED SCOPE OF SERVICES

Task 2.6 — Finalize Plans, Specifications and Estimate (PS&E)

Task 2.6.1 Finalize Contract Plans

CONSULTANT will update the final contract plans to reflect the changes caused by the switch in isolation bearings and address comments from the County, and Caltrans on the final contract plans.

Task 2.6.2 Finalize Specifications

CONSULTANT will update the 2018 specification package previously prepared to the 2023 standards.

Task 2.6.3 Finalize Estimate of Probable Costs

CONSULTANT will update the final estimate to reflect the changes caused by the switch in isolation bearings and addressing comments from the County, and Caltrans on the final contract plans.

Deliverables:

- One (1) electronic copy of half size (11"x17") final design plans stamped and signed by engineer registered in the state of California in pdf format.
- One (1) original stamped and signed signature page of the Special Provisions
- One (1) electronic copy in Microsoft Word format of Special Provisions following Caltrans 2023 specification format.
- One (1) electronic copy of the final cost estimate in Excel format.

WOHLER ROAD BRIDGE OVER THE RUSSIAN RIVER EQ RETROFIT PROJECT

HOURS BREAKDOWN

<i>Scope of Work Task</i>			<i>Staff</i>						
			Kevin Ross PM Engineer IX	Kyle Lundblom PE Engineer III	Keith Dresbach CADD Manager Designer VI	Todd Pretzer CAD Technician CADD Technician III	Guadalupe Gomez CAD Technician CADD Technician	Austin Childers CAD Technician CADD Technician I	Stephanie Morales CAD Technician Designer IV
Phase 1	2.6	Finalize PS&E	4	390	303	198	6	4	3
	2.6.1	Finalize Contract Plans		298	303	197.5	6	4	3
	2.6.2	Finalize Specifications	4	60					
	2.6.3	Finalize Estimate of Probable Costs		32					
Totals:			4	390	303	197.5	6	4	3

EXHIBIT 10-H COST PROPOSAL
SPECIFIED RATES OF COMPENSATION

FINAL PS&E

CONSULTANT: DEWBERRY ENGINEERS INC

CONTRACT #: C01136

DATE: 9/10/2023

LOADED DIRECT LABOR

Classification/Title	Name	Hours	Loaded Rate	Total
Phase 1 PM	Kevin Ross	4	\$312.30	\$1,249.20
Engineer III PE	Kyle Lundblom	390	\$160.41	\$62,559.90
Designer VI CADD Manager	Keith Dresbach	303	\$197.16	\$59,739.48
CADD Technician III CAD Technician	Todd Pretzer	197.5	\$102.78	\$20,299.05
CADD Technician II CAD Technician	Guadalupe Gomez	6	\$97.22	\$583.32
CADD Technician I CAD Technician	Austin Childers	4	\$72.22	\$288.88
Designer IV CAD Technician	Stephanie Morales	3	\$148.08	\$444.24
Totals:		907.5		\$145,164.07

LOADED LABOR COSTS

Subtotal Loaded Labor Costs	\$145,164.07
Anticipated Salary Increases	\$0.00
TOTAL DIRECT LABOR COSTS	\$145,164.07

OTHER DIRECT COSTS (ODC)

Description	Units	Rate	Total
Mileage (6 Roundtrips)	0	\$0.655	\$0.00
Hotels (Per Night)	0	\$250.00	\$0.00
Per Diem (1/2 Day)	0	\$75.00	\$0.00
Per Diem (Full Day)	0	\$150.00	\$0.00
Prints (8.5 x 11)	0	\$0.50	\$0.00
Prints (11 x 17)	0	\$2.50	\$0.00
Prints (22 x 34)	0	\$4.00	\$0.00
Renderings	0	\$5,000.00	\$0.00
Flight	0	\$600.00	\$0.00
Others 2	0	\$1.00	\$0.00

TOTAL ODCs \$0.00

SUBCONSULTANTS

Crawford and Associates	\$0.00
Subconsultant 2	\$0.00
Subconsultant 3	\$0.00
Subconsultant 4	\$0.00
Subconsultant 5	\$0.00
Subconsultant 6	\$0.00
Subconsultant 7	\$0.00
Subconsultant 8	\$0.00

TOTAL SUBCONSULTANTS \$0.00

TOTAL COST **\$145,164.07**

EXHIBIT 10-H COST PROPOSAL
SPECIFIED RATES OF COMPENSATION

OR ANTICIPATED SALARY ESCALATIONS

CONSULTANT: DEWBERRY ENGINEERS INC

CONTRACT #: C01136

DATE: 9/10/2023

1. Calculate Average Hourly Rate for 1st year of the Contract

	<u>Direct Labor Subtotal per Cost Proposal</u>		<u>Total Hours per Cost Proposal</u>	=	<u>Avg Hourly Rate</u>	
Phase 1	\$145,164.07		908	=	\$159.97	Year 1 Avg Hourly Rate

2. Calculate Hourly Rate for Future Years

<u>Year</u>	<u>Avg Hourly Rate</u>		<u>Proposed Escalation</u>	=		
Year 2	\$159.97	+	0%	=	\$159.97	Year 2 Avg Hourly Rate
Year 3	\$159.97	+	0%	=	\$159.97	Year 3 Avg Hourly Rate
Year 4	\$159.97	+	0%	=	\$159.97	Year 4 Avg Hourly Rate
Year 5	\$159.97	+	0%	=	\$159.97	Year 5 Avg Hourly Rate

3. Calculate Estimated Hours per Year for All Years

	<u>Estimated % Completed Each Year</u>		<u>Total Hours per Cost Proposal</u>	=	<u>Total Hours per Year</u>	
Year 1	100.00%	*	908	=	908	Estimated Hours Year 1
Year 2	0.00%	*	908	=	0	Estimated Hours Year 2
Year 3	0.00%	*	908	=	0	Estimated Hours Year 3
Year 4	0.00%	*	908	=	0	Estimated Hours Year 4
Year 5	0.00%	*	908	=	0	Estimated Hours Year 5
Total:	100%		Total:	=	908	

4. Calculate Total Costs Including Escalation

	<u>Avg Hourly Rate from Above</u>		<u>Estimated Hours from Above</u>	=	<u>Cost per Year</u>	
Year 1	\$159.97	*	908	=	\$145,252.76	Estimated Cost Year 1
Year 2	\$159.97	*	0	=	\$0.00	Estimated Cost Year 2
Year 3	\$159.97	*	0	=	\$0.00	Estimated Cost Year 3
Year 4	\$159.97	*	0	=	\$0.00	Estimated Cost Year 4
Year 5	\$159.97	*	0	=	\$0.00	Estimated Cost Year 5

Total Direct Labor Cost with Escalation: = \$145,252.76

Direct Labor Subtotal before Escalation: = \$145,164.07

Estimated Total of Direct Labor Salary Increase: = \$0.00