

Rio Dell City Hall 675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 cityofriodell.ca.gov

January 2, 2024

TO:

Rio Dell City Council

FROM:

Kyle Knopp, City Manager

SUBJECT:

Authorize staff to Execute the Amendment to City Engineer's Scope of Services

for the Eel River Trail Project

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Authorize staff to Execute the Amendment.

BACKGROUND AND DISCUSSION

Staff is proposing that the City prepare to phase the Eel River Trail Project. The project grant has a set amount of resources that Clean California has clearly stated will not be receiving additional funding. Additional unforeseen and necessary cost increases are placing pressure on the project's nearly \$2.4 million dollar budget. Finally, inflation potentially could add further difficulty when bids are received. In order to maintain a buildable project, it is recommended that the Council approve the attached amendment.

There are two primary factors outside of City control necessitating this amendment.

- 1.) The City's easement on paper for the old road is more eastern than originally thought and also where the old road was actually used. As such, there is a more significant elevation drop from Davis Street to the main segment of the trail. Clean California requires 100% of what is constructed to be constructed in a manner that complies with ADA. Therefore, a new ADA compliant ramp system must be constructed to meet this environmental reality. Due to the elevation drop this facility is significantly larger than originally anticipated and requires additional design work. Additionally, a licensed engineer is required to meet a certain standard of care in the design of such facilities, including additional geotechnical investigation in order to create the appropriate design that is not over or under engineered.
- 2.) While the overall project is still close to or on budget, these are estimates. We will not know the cost of the project until bids for the project are received. While it is possible that bids may come in at a level that allows the project to be completed without phasing, inflation is a major concern. In consultation with Clean California, it was advised that the City prepare to phase the project. The State has approved a proposal to potentially construct the project from Edwards Drive up to the ADA ramp improvements section.

The ADA ramp would be turned into phase 2 of the project. This amendment allows for that possibility. This amendment also allows for the design of Phase 2 to be completed in Phase 1, creating a shovel ready project that can be shopped around to various granting agencies for additional financial support.

Phase 1: Construction of a fully ADA trail from Edwards Drive to the Davis Street Right-of-Way and also design for the ADA ramp system to Davis Street.

Phase 2: Construction of the ADA ramp to Davis Street.

It should also be noted that construction of the Phase 1 of the trail will likely necessitate a gravel rampway from Davis Street to the construction site, creating a new path for users. However, this path will not meet ADA requirements.

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Reference No. <u>12592002</u>

Amendment to

Agreement between Client and Consultant

Amendment No. 3 to GHD's Scope of Services Agreement dated December 13, 2023 between GHD Inc. (Consultant) and City of Rio Dell (Client), executed on 9/23/22.

Project: City of Rio Dell's Eel River Trail Project - Permitting, Engineering Design Plans & Specifications, and Construction Support Services.

Client hereby requests and authorizes Consultant to perform additional and/or revised services as set forth in this Amendment.

Scope of services as set forth below or in specified attachment(s).

See attached Exhibit A.

Terms of compensation as set forth below or in specified attachment(s).

See attached Exhibit A.

All provisions specified in the Extension of the City of Rio Dell's Professional Services Agreement for City Engineer Services dated January 1, 2022 are in effect. No other agreements, guarantees, or warranties are in effect.

IN WITNESS WHEREOF, the parties hereby execute this amendment upon the terms and conditions stated above.

Client City of Rio Dell		Consultant_GHD Inc.
Ву		Ву
Print Name Kyle Knopp		Print Name_Josh Wolf
Title City Manager		Title Business Group Leader/Project Director
Date		Date
Original Agreement	\$ <u>355,000</u>	
Amendment No. 1 & 2	\$ <u>-10,500</u>	
Amendment No. 3	<u>\$170,000</u>	
TOTAL	\$514,500	



EXHIBIT A

Scope of Work For City of Rio Dell's Eel River Trail Project

Amendment 3 – Extra Work For Trail Realignment and Ramp Design

UNDERSTANDING

This Amendment 3 Scope of Work augments the original Scope of Work executed by the City of Rio Dell (City) on September 21, 2022 for the Eel River Trail project through the Clean California Local Grant Program (CCLGP).

Upon initiation of the project, survey analysis revealed that the historic Edwards Drive easement the City planned to use for the trail occurs further downslope than where the City understood it to be. These findings were presented in the January 30, 2023 memo titled "Eel River Trail – Initial Findings of Review of Historic Edwards Drive Road Easement" previously submitted to the City. Following these findings, the City worked with the two private landowners to secure the use of the recorded road easement at the bottom of the slope for the trail. On a project review call with GHD on March 9, 2023, the City made the decision to realign the trail to be within the existing easement at the bottom of the slope. This change required realigning the trail further downslope than originally scoped, and therefore required the out-of-scope design of an ADA accessible ramp to bring the trail elevation back up to the connecting elevation at Davis Street while staying within the Davis Street right-of-way and the existing recorded easements. This change also required updating some of the environmental studies for the new location of the trail.

This amendment covers the additional work necessary to finalize the design and environmental documentation tasks needed for the revised trail alignment.

SCOPE OF WORK

Task 3 – Additional Environmental Documentation

This task is based on updating the botanical study, wetlands delineation, and Habitat Mitigation Monitoring Program (HMMP) for the revised trail alignment.

On April 4, 2022, GHD entered into an earlier contract with the City to perform botanical study field work for the trail in advance of the CCLGP agreement because it was anticipated the CCLGP schedule would not align with the schedule needed to survey the sensitive plant species along the proposed trail alignment. The botanical study under the current contract was then prepared with the field data obtained during the previous summer based on the originally understood trail alignment location.

Similarly, the wetlands mapping was performed on October 13, 2022 and the associated wetland delineation report was prepared based on the originally understood trail alignment location.

With the City subsequently directing GHD in March 2023 to realign the trial, it was necessary perform additional field work and update the botanical study and the wetlands delineation report for the City's selected revised trail location.

Additionally, with changes to the botanical study and the wetlands delineation, it was necessary to update the HMMP as part of the CEQA environmental documentation.

GHD proceeded with this out-of-scope work as it was necessary for keeping the overall project on schedule.

Deliverables:

• The updated botanical studies, wetlands mapping, and HHMP have already been provided and no new deliverables to Task 3 are required under this Amendment.

Task 5 – Additional Plans, Specifications & Estimate (PS&E)

This task covers the additional work necessary to revise the trail alignment and complete the ADA ramp design as necessitated by the City's decision to move the trail downslope into the recorded easement. With the new trail alignment restricted by the existing historic Edwards Drive easement boundaries and the Davis Street right-of-way boundary, a concrete ADA accessible ramp and stair structure is necessary to provide the ADA connectivity at Davis Street as ultimately required to satisfy the scope of the CCLGP agreement.

Under this task, a new concrete switchback-style ADA ramp and stair structure will be designed to connect the lower trail elevation in the existing easement to the Davis Street elevations.

Since the actual location of the existing easement and the need for a ramp was not known during original scoping, the geotechnical investigations and recommendations were only based on an on-grade asphalt paved trail as originally proposed. The standard of care to design the ramp, which is a substantial concrete structure on a slope, necessitates additional geotechnical investigations involving soil borings and seismic evaluation with recommendations relating to mitigating liquefaction settlement and lateral spreading. This scope therefore includes additional geotechnical investigations necessary to complete the design of the new ramp.

The bid package will be developed with the ADA ramp as an additive bid item to allow awarding or removing it based on actual bids and available funding for construction at the time of award.

Deliverables:

- · Geotechnical Evaluation Report in electronic format
- 100% bid-ready set of engineering design plans, specifications, and cost estimate with the ADA ramp as an additive bid item.

Assumptions:

 The 90% engineering design plans, specifications, and cost estimate milestone is to be eliminated due to project budget and schedule constraints.

Task 6 – Additional Construction Engineering and Environmental Monitoring – Optional

This optional task is to be undertaken if the City chooses to award the construction of the additive bid item for the ramp designed under Task 5. Under this task, GHD will provide construction inspection, management, and environmental monitoring associated with the construction of the ramp. If the ADA ramp is not awarded during the construction phase, then this task will not need to be awarded.

Deliverables:

• Standard construction inspection and management documentation as well as environmental monitoring documentation will be provided for the ramp portion of the project if awarded.

COMPENSATION

These additional services will be provided through an augmentation of the existing project budget as follows:

Task	Compensation
Task 3 – Environmental Documentation	\$31,000
Task 5 – Plans, Specifications, and Estimate (PS&E)	\$119,000
Task 6 – Construction Engineering and Environmental Monitoring	\$20,000
Total	\$170,000



IV. PROJECT OUTCOMES

Enter values in the Total column for just the Outputs that apply to your project.

4.1 PROJECT OUTCOMES					
Category	Output	Unit	Total		
	Litter Collected	Cubic Yards	10		
L'H. Al-d	Public Space Cleaned	Square Feet	7000		
Litter Abatement	Anti-Littering Signs	Number of Signs	0		
	Waste Bins	Number of Bins	4 2		
	Litter Collected	Cubic Yards	0		
Transit Center Improvements	Beautification of Space	Number of Bus Stops Beautified	0		
		Number of Transit Centers Beautified	0		
		Number of Art Installations	0		
Enhance Public Health	Increased Walking Paths, Bike Paths, Children's Play Areas	Square Feet	14000 15350 w/o ramp, 18440 w/ ramp		
	Art Installations	Number of Installations	1		
		Square Footage of Installations	50		
Beautification	Urban Heat Island Reduction	Decrease in Temperature by Degrees Fahrenheit at each Improved Site, Measured at the Noon Hour	0		
	Shade Trees Planted	Number Planted	0		
	Drought-Tolerant, Native Plants	Number Planted	0		
	Furniture Added	Number of Seats Added	8		
	Play Equipment Installed	Number of Play Equipment Features Installed	0		
Enhanced Use	Public Space Reclaimed for Public Use or Added for Public Use	Square Feet	28000		
	Increased Use of Existing Public Space	Increased Number of Hours per Day Available	24		
Faboured Community	Wayfinding Signage	Number of Signs Added	3		
Enhanced Community Connection	Community/Historical Signs and Markers	Number of Signs Added	3		
	New Permanent or Temporary Jobs Created and Number of	Number of Permanent Persons Hired	0		
obs and Volunteer Positions Created	Artists Supported by the Prime Awardee and all Consultants/ Contractors to Implement or	Number of Temporary Persons Hired	16		
	Maintain the Project(S)	Number of Artists Supported	1		



STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION CLEAN CALIFORNIA LOCAL GRANT PROGRAM (CCLGP) APPLICATION CCLGP-AP001 (NEW 11/2021)

Category Output		Unit	Total	
	Enhanced Paving (permeable surface or pavement alternatives, such as wood chips)	Square Feet	0	
	Decreased Pavement	Square Feet	0	
	Upgraded or Improved Permanent Irrigation Systems	Linear Feet	0	
	Bioretention Swales and other Green Street Elements	Each	1	
	Energy-Conserving Lighting Installed	Number of Energy-Conserving Lights Installed	1	
Pavement and Support Elements	Renewable Energy Technologies (e.g. solar panels)		0	
	Installations of Water Fountains Number of Water Fountains Installed		1	
	Installation or Refurbishment of Bathrooms	Number of Toilets Installed or Refurbished	0	
	Architectural Fencing (not chain-link)	Linear Feet	1400	
5	Shade Structures (not including shade trees - see Beautification category)	Number of Shade Structures	0	
	Campaigns	# of Campaigns	4	
		Reach of the Campaigns	200	
Education		Frequency of the Campaigns	2	
	Community Events	# of Events	3	
		# of Attendees	150	

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5 Cor 6 Function 1	Instruction Staking Inding Acknowledgement Sign Instruction Items Innove Tree Paring And Grubbing Inding Acknowledgement Sign Innove Tree Paring And Grubbing Innover State Innover Stat	1 1 1 1086 144 1 1 2 2 2 1 1 4 598 86 20 1 1 8200 583 344 8200 91 80	LS LS LS LS CY EA EA EA EA EA EA SQFT LF EA SQFT CY TON SQFT	\$25,000.00 \$2,500.00 \$1,200.00 \$40,000.00 \$100.00 \$165.00 \$1,200.00 \$4,000.00 \$3,200.00 \$6,500.00 \$500.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$2,000.00 \$10.00 \$10.00	\$25,000 \$2,500 \$58,800 \$40,000 \$108,600 \$1,200 \$8,000 \$6,500 \$2,310 \$6,500 \$2,000 \$5,980 \$1,000 \$2,000 \$8,200 \$8,200 \$8,200 \$8,200 \$8,200 \$8,200 \$8,200 \$8,200 \$8,200	100% 100% 100% 100% 100% 100% 100% 100%	\$25,000 \$2,500 \$58,800 \$40,000 \$108,600 \$2,310 \$1,200 \$6,400 \$6,500 \$2,000 \$5,598 \$860 \$11,000 \$2,000 \$8,200 \$8,200				
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10 Dec 11 Furn 12 Furn 13 Furn 14 Furn 15 Inte 16 Dec 17 Met 18 Inte 19 Serve 22 Clas 23 Hot 22 Clas 23 Hot 24 Ren 25 Is 18 26 Iz 27 Drin 28 Iz 29 Is 30 Roca 31 Roca 33 Roca 34 Min 35 Bioi 36 Cha 37 Roa 38 Jan 38 Jan 39 Pain 40 Pain 41 Tern 42 Ten 44	corative Boulders miture: Bollards miture: Arcata Bench By Landscape Forms miture: Cordia Trash/Recycle miture: MDF Hydration Station erpretive Sign & Post Installation composed Granite tatt Edging (Aluminum) Plastic Pipe (PE Tubing) Lateral Line vice Saddle (Romac) drosseed dromulch uss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	14 1 2 2 1 4 598 86 20 1 8200 583 344 8200 91	EA EA EA EA EA SQFT LF LF EA SQFT CY TON SQFT	\$165.00 \$1,200.00 \$4,000.00 \$3,200.00 \$6,500.00 \$10.00 \$10.00 \$2,000.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$2,000.00 \$1.00	\$2,310 \$1,200 \$8,000 \$6,400 \$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200 \$8,200 \$81,620	100% 100% 100% 100% 100% 100% 100% 100%	\$2,310 \$1,200 \$8,000 \$6,400 \$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200				
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13 Fun 14 Fun 14 Fun 15 Fun 16 Fun 16 Fun 17 Met 17 Fun 17 Fun 18 Fun 17 Fun 18	miture: Cordia Trash/Recycle miture: MDF Hydration Station erpretive Sign & Post Installation composed Granite etal Edging (Aluminum) Plastic Pipe (PE Tubing) Lateral Line vice Saddle (Romac) droseed droseed dromulch sss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	2 1 4 598 86 20 1 8200 8200 583 344 8200 91	EA EA EA SQFT LF LF EA SQFT CY TON SQFT	\$3,200.00 \$6,500.00 \$500.00 \$10.00 \$10.00 \$50.00 \$2,000.00 \$1.00 \$1.00 \$140.00 \$220.00	\$6,400 \$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200 \$8,200 \$81,620	100% 100% 100% 100% 100% 100% 100% 100%	\$6,400 \$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200				
14 Fun 15 Inte 16 Dec 17 Met 18 1" F 19 Ser 20 Hyc 21 Hyc 22 Clas 23 Hot 24 Ren 25 18" 26 12" 27 Drii 28 12" 30 Roc 31 Ro	miture: MDF Hydration Station erpretive Sign & Post Installation composed Granite stal Edging (Aluminum) Plastic Pipe (PE Tubing) Lateral Line vice Saddle (Romac) droseed dromulch sss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	1 4 598 86 20 1 8200 8200 583 344 8200 91	EA EA SQFT LF LF EA SQFT CY TON SQFT	\$6,500.00 \$500.00 \$10.00 \$10.00 \$50.00 \$2,000.00 \$1.00 \$1.00 \$140.00 \$220.00	\$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200 \$8,200	100% 100% 100% 100% 100% 100% 100% 100%	\$6,500 \$2,000 \$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200				
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16 Dec 17 Met 18 I" F 19 Sere 20 Hyc 21 Hyc 22 Clais 23 Hot 24 Rene 25 18" 26 12" 27 Drin 28 12" 29 18" 30 Roc 31	composed Granite tal Edging (Aluminum) Plastic Pipe (PE Tubing) Lateral Line vice Saddle (Romac) droseed dromulch ss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	598 86 20 1 8200 8200 583 344 8200 91 80	SQFT LF EA SQFT SQFT CY TON SQFT	\$10.00 \$10.00 \$50.00 \$2,000.00 \$1.00 \$1.00 \$140.00 \$220.00	\$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200 \$81,620	100% 100% 100% 100% 100% 100%	\$5,980 \$860 \$1,000 \$2,000 \$8,200 \$8,200				
18 1" F 19 Ser 20 Hyc 21 Hyc 22 Clas 23 Hot 24 Ren 25 18" 26 12" 29 18" 30 Roc 31 Roc 31 Roc 31 Roc 32 Roc 33 8" C 34 Min 35 Biou 36 Cha 37 Roa 38 3-R 38 3-R 39 Pain 41 Ten 42 Ten 42 Ten 44 Ten 45 Ten	Plastic Pipe (PE Tubing) Lateral Line vice Saddle (Romac) droseed dromulch sss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	20 1 8200 8200 583 344 8200 91	LF EA SQFT SQFT CY TON SQFT	\$50.00 \$2,000.00 \$1.00 \$1.00 \$140.00 \$220.00	\$1,000 \$2,000 \$8,200 \$8,200 \$81,620	100% 100% 100% 100%	\$1,000 \$2,000 \$8,200 \$8,200				
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20 Hyc 21 Hyc 22 Hay 22 Clais 23 Hot 24 Rene 25 18" 27 Drir 28 12" 29 18" 30 Roc 31 Roc 31 Roc 32 Roc 33 8" 30 Roc 31 Roc 32 Roc 33 8" 30 Roc 31 Roc 40 Pain 41 Tene 42 Tene 44 Tene 45 Tene	droseed dromulch ss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt Concrete Pavement 'SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) 'SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	8200 8200 583 344 8200 91 80	SQFT SQFT CY TON SQFT	\$1.00 \$1.00 \$140.00 \$220.00	\$8,200 \$8,200 \$81,620	100%	\$8,200 \$8,200				A CONTRACTOR
22 Clas 23 Hot 24 Ren 25 18" 26 12" 27 Drit 28 12" 29 18" 30 Rocc 31 Rocc 33 8" C Gas 34 Min 35 Biot 36 Cha 37 Roa 38 3-R 39 Pain 41 Ten 42 Ten 42 Ten 44 Ten 45 Ten	ss 2 Aggregate Base t Mix Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	583 344 8200 91 80	CY TON SQFT	\$140.00 \$220.00	\$81,620					THE PROPERTY.	20 S. C.
23 Hot 24 Rene 25 18" 26 12" 27 Drin 28 12" 28 12" 30 Roc 31 Roc 31 Roc 32 Roc 33 8" C G Add Min 35 Biol 36 Cha 37 Roc 38 3-R. 39 Pain 40 Pain 40 Pain 41 Ten 42 Ten 44 Ten 45 Ten 45	t Mix Asphalt (Type A) move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	344 8200 91 80	TON SQFT	\$220.00		100%	\$81,620			The second second	
24 Ren 25 18" 26 12" 27 Drin 28 12" 29 18" 30 Roc 31 Roc 32 Roc 33 8" C 34 Min 35 Biol 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	move Asphalt Concrete Pavement SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	8200 91 80	SQFT			100%	\$75,680				
25 18" 26 12" 27 Drin 28 12" 29 18" 30 Roc 31 Roc 32 Roc 33 8" C 34 Min 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	SD HDPE (Includes Excavation, Bedding, Laying, & Backfill) SD HDPE (Includes Excavation, Bedding, Laying, & Backfill)	91 80	_		\$9,020	100%	\$9,020			THE RESERVE	
27 Driir 28 12" 29 18" 30 Rocc 31 Roc 32 Roc 33 8" C 33 Biol 36 Cha 37 Roa 37 Roa 39 Pain 40 Pain 41 Ten 42 Ten 44 Ten 45 Ten 45		_	LF	\$300.00	\$27,300	100%	\$27,300				A CONTROL
28 12" 29 18" 30 Roc 31 Roc 32 Roc 33 8" C 34 Min 35 Bioi 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 42 Ten 44 Ten 44 Ten 45 Ten	nking Fountain Drain		LF	\$260.00	\$20,800	100%	\$20,800			S SERVERS	1000
29 18" 30 Roca 31 Roc 32 Roca 33 8" C 34 Min 35 Bior 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Tem 42 Tem 44 Tem 44 Tem 44 Tem	Concrete Flared End Section	6	EA EA	\$5,000.00 \$1,500.00	\$5,000 \$9,000	100%	\$5,000 \$9,000				
30 Roc 31 Roc 32 Roc 32 Roc 33 8" C 34 Min 35 Bioi 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 44 Ten 44 Ten 44 Ten 45 Ten 45 Ten 45	Concrete Flared End Section	4	EA	\$1,700.00	\$6,800	100%	\$6,800				
32 Roc 33 8" C 34 Min 35 Bion 36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Tem 42 Ten 43 Ter 44 Ten 44 Ten 45 Ten	ck Slope Protection (20 lb, Class I, Method B)	8.4	CY	\$250,00	\$2,101	100%	\$2,101	BE 18			
33 8" C 34 Min 35 Bior 36 Cha 37 Roa 38 3-R. 39 Pain 40 Pain 41 Tem 42 Tem 43 Tem 44 Tem 45 Tem	ck Slope Protection (60 lb, Class II, Method B)	300	CY	\$300.00	\$90,000	100%	\$90,000			20010	
34 Min 35 Bion 36 Cha 37 Roa 38 3-R. 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	ck Slope Protection Fabric (Class 8) Gravel Filter	3.4	SQYD	\$10.00 \$250.00	\$4,444 \$849	100%	\$4,444 \$849				A PROPERTY OF
36 Cha 37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	nor Concrete (Wheel Stop)	1	EA	\$800.00	\$800	100%	\$800	245778			
37 Roa 38 3-R 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	oretention Pond	152	SQFT	\$32.00	\$4,864	100%	\$4,864			起发起的	
38 3-R. 39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	ain Link Fence (Type CL-6)	950 5	LF EA	\$60.00 \$400.00	\$57,000 \$2,000	100%	\$57,000 \$2,000			0.654 (6.86	
39 Pain 40 Pain 41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	adside Sign - One Post tail Wood Fence/Guardrail	738	LF	\$65.00	\$47,970	100%	\$47,970				100000000000000000000000000000000000000
41 Ten 42 Ten 43 Ten 44 Ten 45 Ten	nt Traffic Stripe (2-Coat)	1423	LF	\$4.00	\$5,692	100%	\$5,692	202.00			
42 Ten 43 Ten 44 Ten 45 Ten	nt Pavement Marking (2-Coat)	25	SQFT	\$15.00	\$375	100%	\$375	1,000		Land State	Total State
43 Ten 44 Ten 45 Ten	nporary Inlet Protection nporary Fiber Roll	620	EA LF	\$600.00 \$8.00	\$1,200 \$4,960	100%	\$1,200 \$4,960				
44 Ten 45 Ten	nporary Filet Roll nporary Silt Fence, High Visibility Orange	406	LF	\$25.00	\$10,150	100%	\$10,150			AND THE REAL PROPERTY.	
	nporary Construction Entrance	2	EA	\$6,250.00	\$12,500	100%	\$12,500	800,00			
	mporary Concrete Washout	1	LS	\$8,000.00	\$8,000	100%	\$8,000				
	ntractor Supplied Biologist asive Species Control	1 1	LS	\$25,000.00 \$10,000.00	\$25,000 \$10,000	100%	\$25,000 \$10,000				
	nporary High Visibility Fencing	1000	LF	\$8.50	\$8,500	100%	\$8,500				
	e Replacement Planting	49	EA	\$200.00	\$9,800	100%	\$9,800	200		POR CORE	
	king Lot Solar Light	1 1	EA LS	\$25,000.00 \$10,000.00	\$25,000 \$10,000	100%	\$25,000 \$10,000				
	placement Planting just Water Valve Frame And Cover To Grade	1	EA	\$1,000.00	\$1,000	100%	\$1,000			E 1012	
53 Inva	asive Plant Removal	500	SF	\$105.00	\$52,500	100%	\$52,500	Water o			1000
	vironmental Mitigation	1	EA	\$100,000.00	\$100,000	100%	\$100,000				1000
	mmunity Art Installation A Ramp Subitems:	11	EA	\$100,000.00	\$100,000	100%	\$100,000				Contract of
	tructure Excavation (Retaining Wall)	100	CY	\$110.00	\$11,000	100%	\$11,000				100-8
8 Str	ructure Backfill (Retaining Wall)	100	CY	\$140.00	\$14,000	100%	\$14,000	1872			
	uardrail With Pickets	158	LF	\$50.00	\$7,900	100%	\$7,900				
	tructural Concrete oncrete Piers, Length Approx 20 Ft	150 28	CY EA	\$1,050.00 \$10,000.00	\$157,500 \$280,000	100%	\$157,500 \$280,000	COLUMN S			
		42	CY	\$1,500.00	\$63,000	100%	\$63,000	200	face of the Salar	N. VIII	
63 3-1	linor Concrete (Curb, Sidewalk And Curb Ramp)	166	LF	\$75.00	\$12,450	100%	\$12,450	(20)		STATIST	TO FREE
64 Ha	Rail (Metal) Guardrail	382	LF	\$40.00	\$15,280	100%	\$15,280			The state of the s	
		Suprote!	ui Const	ruction Items:	\$1,823,605	21.00000	\$1,823,605				10000000
	Rail (Metal) Guardrail	2-3101M1				600	\$547,081	1 6		4	

12/13/2023 1 of 2

Important: Read the Instructions in the first sheet (tab) before	re entering date De not	Project Costs	(with Commules)	
Thiportain. Read the first decions in the first sheet (tab) beto	Land and the second	britains - and missing and more	with formulas).	CONTROL WITH THE
	Project Informati	ion:		
Agency: City of Rio Dell			Dat	e: 12/11/2023
Project Description: Construct new Class I	shared use path and two trailhe			
Project Title		Eel River Trail		
Project Location: In the City of Rio Dell	, along the west bank of the Ee	River, from Edwards Drive to	Davis Street	
Name of Licensed Engineer in responsible charge of preparing or reviewing	this PSR-Equivalent Cost Estin	mate: Luke Halonen		License #: C8908
Pı	roject Delivery Costs	s:		
Type of Project Cost	Cost \$			
Pre	liminary Engineering (PE)	CCLGP Participating Costs	CCLGP Non-participating Co	osts
Environmental Studies and Permits(PA&ED): \$	155,967	\$155,967		
Plans, Specifications and Estimates (PS&E): \$	211,000	\$211,000		"PE" costs / "CON"
Total PE:	\$ 366,967	\$366,967		15% 25%
	Right of Way (RW)			
Right of Way Engineering: \$	7,533	\$7,533		
Acquisitions and Utilities: \$		SASSAGE SEED		
Total RW:	\$ 7,533	\$7,533		
Total Pre-Construction Costs (PE+RW):	\$374,500	\$374,500		
Cons	truction Engineering (CE)			"CE" costs / "CON"
Construction Engineering (CE): \$	140,000	\$140,000		6% 15%
Total Construction Costs:	\$2,510,686	\$2,510,686		
		CCLGP Participating Costs	Non-participating Costs	
Total Project Cost:	\$2,885,186	\$2,885,186		
entation of Non-Participating Costs:				
gineer's logic and/or calculations for splitting costs between CCLGP-Participating and Non-participating	costs must be documented in t	this section of the Estimate forr	n	
e logic is required for each item which is partly a participating cost for CCLGP funding or is required for	or the construction of a non-par	rticipating item/element of the p	roject.	
Description of Engineer's Logic: (See examples shown in the Instructions)				

The City of Rio Dell has a rich history as a former home to thriving native populations that was later settled by European settlers who built a town whose "... main businesses were gambling, prostitution, and bootlegging, with fighting and the occasional murder serving as diverting pastimes ("The Bluffs Around Us," Evelyn McCormick, 1981)." In fact, men from the larger city of Eureka would make the 26-mile journey to Rio Dell to enjoy these illegal entertainments, or to engage in recreational fighting, and the downtown became known as Wildwood. To this day, the main street through Rio Dell retains the name Wildwood Avenue.

And to this day, Rio Dell contends with the negative affects brought on by the early settlers of the area. Rio Dell was built on territories previously belonging to the Wiyot, Nongatl, and Mattole Native American tribes. The native population in the area was greatly diminished following the 1860 Wiyot massacre on Indian Island (near Eureka) that extended south to the Eel River valley where Rio Dell is located. Today the native population in Rio Dell is approximately 4% of the total population estimated to be approximately 3,500 people, and the median income for the community is low enough that Rio Dell is considered a Severely Disadvantaged Community (SDAC).

The City of Rio Dell is bisected by Highway 101 and lies in the heart of Humboldt County, bordered by dense redwood forests and the Eel River, which is designated a wild and scenic river. The proposed Eel River Trail project is bordered along the east by the Eel River, and along the west by properties owned and operated by the City of Rio Dell, including the City's wastewater treatment facility. No residential properties directly border the project boundaries, and a handful of residential properties are adjacent to the trail footprint. Two city streets bookend the project site: Edwards Drive to the south and Davis Street to the north, which both dead-end east of Highway 101 near the Eel River.

Currently, Edwards Drive and Davis Street are relatively low-speed and low-volume roadways that are comfortably used as shared space by people walking, bicycling, and driving in Rio Dell. Between the two roads, however, a gap of approximately 1,500 feet exists along the bank of the Eel River. This disconnect currently requires long, circuitous routes to travel between destinations on the northeast and southeast parts of Rio Dell. The shortest route between the two points on the existing road network is about 1.4 miles (about 7,400 feet), a 500% increase in trip distance. This inadequacy creates a significant enough increase in trip distance that likely causes some people to drive to destinations that would otherwise be within comfortable walking or bicycling distance.

The corridor between these streets is a 'paper street' owned by the City, and is densely vegetated with discontinuous, worn-in footpaths. At the southern end, informal vehicular access to the Eel River riverfront area is provided at the end of Edwards Drive. The asphalt-turned-gravel turnaround area, behind a gate that is generally open during daylight hours, has large piles of garbage and greenwaste scattered throughout. At the northern end, a trailhead currently consists of dirt/gravel shoulder used unofficially for parking and an opening in the riparian woodland, with eroded steps down a steep grade to a trail. These steps are hazardous and do not conform with standard tread-riser ratios.

The proposed Eel River Trail project will develop the corridor between Edwards Drive and Davis Street. It will be a 10' paved, ADA-compliant Class I shared-use trail with 2' gravel shoulders. At the southern gateway to the new trail, the remaining dirt and asphalt cul-de-sac will be replaced with an asphalt parking area. Proposed work at the southern gateway includes a bioretention area with drainage infrastructure, waste receptacles, a bench, a water fountain, a kiosk with directional & interpretive signage, and removable bollards at the trail entry point. The Edwards Drive trailhead will provide parking for use of the trail and maintain access to the river bar.

Heading north, trail users will find an interpretive sign just before crossing a small creek on a prefabricated bridge. The second pullout provides another interpretive sign and a connection to an existing footpath to the Eel River.

At the northern terminus, the Davis Street trailhead improvements include regrading, thinning of dense vegetation, waste receptacles, a bench, directional & interpretive signage, and new concrete stairs <u>and ADA ramp</u> with handrails near the trail entry point. The northern portion of the trail will be further improved by invasive species removal activities that will be implemented by the California Conservation Corps.

The vibrance and benefit of the proposed infrastructure portions of the project will be further enhanced by several exciting non-infrastructure features. These features include:

- A public art contest will be a fun community event where artists will submit proposals for an art installation somewhere within the footprint of the Eel River Trail. The winner of the art installation will be selected by a public vote and the artist will be provided a cash prize to make and install the art piece. The art contest will also indirectly promote the project, create a buzz about the new trail, and will connect the people of Rio Dell to this new place.
- The Redwood Community Action Agency (RCAA), a 501(c)3 non-profit organization based in Eureka, CA (which was founded in 1980 with a mission to support leadership and advocacy, develop community-based coordinated services and activities, and support low-income community members to become self-sufficient in a healthy, sustainable environment) will lead several community engagement events. RCAA's Natural Resources team has supported decades of planning for Safe Routes to Schools in Humboldt County, including education and encouragement activities in Rio Dell and Eel River communities. This team is capable and enthusiastic about implementing many of the non-infrastructure elements of this proposal which include:
 - Outreach meetings at the local schools to promote the trail
 - 3 student-led field trips to the trail to learn about the history of the area and collect accumulated trash
 - Developing curriculum for middle school youth research projects connected to the trail
 - Leading an elementary school trail-related art project
 - o Articles in the school newsletter
 - o A multimedia trail awareness campaign
 - Spanish language trail outreach
 - Hosting public meetings about the trail
 - Updating the Humboldt County bike map to include the new trail

It is anticipated that bids for project may be greater than the construction allocation for the project due to the addition of the ADA ramp and trail realignment. If it is found that there is insufficient funds available to award the full project, then the project will be split into two phases by removing the ADA ramp from the current project and terminating the trail at the foot of the ADA ramp. In this scenario, Phase 1 of the project would construct an out-and-back pedestrian facility from Edwards Drive to the foot of the ADA ramp under the current agreement, and Phase 2 would be complete the connectivity trail to Davis Street as originally scoped by constructing the ADA ramp under a subsequent funding agreement.

