

UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM

FY 2022-23 SCOPE OF WORK

PROJECT: C-4bGVP

Project Title

Annual Operation and Maintenance of the Fish Passage Structure at the Government Highline Diversion Dam on the Upper Colorado River.

Bureau of Reclamation Agreement Number:

R20PG00024

Reclamation Agreement Term

Oct. 1, 2019 – Sep. 30, 2024

Note: Recovery Program FY22-23 scopes of work are drafted in May 2021. They often are revised before final Program approval and may subsequently be revised again in response to changing Program needs. Program participants also recognize the need and allow for some flexibility in scopes of work to accommodate new information (especially in nonnative fish management projects) and changing hydrological conditions.

Lead Agency:

U.S. Fish and Wildlife Service
Grand Junction Fish and Wildlife Conservation Office (GJ FWCO)

Principal Investigator:

Travis Francis, Deputy Project Leader
U.S. Fish and Wildlife Service
Grand Junction Fish and Wildlife Conservation Office
445 West Gunnison Ave.
Grand Junction, CO 81501
Phone: (970) 628-7204
Email: travis_francis@fws.gov

Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual funds
- Capital funds
- Other [explain]

Relationship to RIPRAP:

Colorado River Action Plan: Mainstem
II.B.3. Restore fish passage at Government Highline Dam (Grand Valley Project)
II.B.3.a.(3) Operate and maintain fish ladder
II.B.3.a.(4) Monitor and evaluate success

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Study Background/Rationale and Hypotheses:

The fish passage at Government Highline Diversion Dam (or Grand Valley Water User's Dam [GVWU]) on the Upper Colorado River at the lower end of De Beque Canyon was completed by 1 August 2004. It was designed for selective fish passage, similar to that at the Redlands fish passageway. Fishes are collected, counted and sorted (non-native fish are removed, native fish and salmonids are allowed to make passage upstream, ictalurids are released downstream), endangered fish (bonytail [*Gila elegans*], Colorado pikeminnow [*Ptychocheilus lucius*], humpback chub [*Gila cypha*], razorback sucker [*Xyrauchen texanus*]) and roundtail chub (*Gila robusta*) are checked for a PIT tag, and endangered fish without a PIT tag have one implanted. The passage was operated intermittently from 2005-2006. In 2008, with the completion of fish passage downstream at the Price Stubb Dam in April 2008, the fish trap was operated full time from the first of May to mid-October. The passage was operated continuously from mid-April through mid-October in 2009 through 2011, 2014, and 2017. This facility does not have a water right; therefore, low flows in 2004, 2007 and 2012 didn't allow for operation of the fish passageway. In 2013, 2015, 2016, 2018, 2019, and 2020 the passage was operated intermittently when flows were sufficient.

Project Results to Date

The GVWU passage was operated intermittently from 2005–2006. In 2008, with the completion of fish passage downstream at the Price Stubb Dam in April 2008, the fish trap was operated full time from the first of May to mid-October. The passage was operated continuously from mid-April through mid-October in 2009, 2010, 2011, 2014, and 2017. This facility does not have a water right; therefore, low flows in 2004, 2007 and 2012 didn't allow for operation of the fish passageway. In 2013, 2015, 2016, 2018, and 2020 the passage was operated intermittently when flows were sufficient.

The purpose of this project is to collect and summarize annual data on the number of large-bodied fish, different fish species, and seasonal distribution of fish that use the fish passageway at the Government Highline Diversion Dam on the Upper Colorado River in De Beque Canyon. Through 2020, 286 adult razorback sucker, 11 humpback chub, six Colorado pikeminnow, and 121 bonytail have used the fishway. Through 2020, 177,852 fish have used the fish passage at Government Highline Diversion Dam. Native fishes comprised 83% of the total fish collected through 2018 (Francis 2020).

Study Goals, Objectives, End Product(s):

Continue to collect data on the number of large-bodied fish, different fish species, and seasonal distribution of fish that use the Redlands passageway. Summarize the annual results of passageway fish use in the annual report.

Study Area:

Colorado River: river mile 193.7.

Study Methods/Approach: FY 2022-2023

The fish trap at GVWU passageway may be opened by mid-April and closed in mid-October. Due to program guidance and reduced budgets, the passageway will open mid-April and will be closed a month

UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM

early in mid-September for FY 2022-2023. The trap is designed to collect large-bodied fish. Depending upon manpower, the fish trap at the passageway will be run at least every other day, Monday through Friday, and where possible every weekday. All fish will be sorted by species and counted. Vital statistics including length, weight, and PIT-tag IDs will be collected for all listed species found in the trap. Other introduced species (e. g., largemouth bass, smallmouth bass, green sunfish, black bullhead, gizzard shad, white sucker, and carp) will be sacrificed and disposed of in a manner that will not constitute a nuisance or as otherwise directed by Colorado Parks and Wildlife (CPW). Channel catfish will be returned downstream of the fish ladder alive.

In addition to collecting and counting fish in the fish trap, FWS personnel will continue to be responsible for periodic cleaning of river borne sediment in the fish trap and routine cleaning of surface and submerged trash, debris, and river borne algae from the trash grates and bar screens in the fore bay of the passageway. Other tasks include: regulating river flows through the fish ladder and attraction flow to remove sediment from the fish-way, noxious weed control, and removing all stranded fish in the fish trap and dewatered portion of the fish ladder prior to winterizing. FWS personnel will also be responsible for opening and winterizing the passageway.

FWS personnel are also responsible for maintaining the Price Stubb PIT tag antenna at the top end of the Price-Stubb Dam Fish Passageway located at Colorado River mile 188.3. This includes one day of providing personnel, coordinated with the Bureau of Reclamation and their hired contractor who operates a track hoe, to assist with removing high water debris from the passageway. A report of annual PIT tag detections will be included with this annual report (previously provided in the annual database management report).

Task Description, Deliverables and Schedule:

Task 1. Routine O&M of GVWU fish ladder includes monitoring the fish trap, sorting, examining, and enumerating all fish in addition to removing and disposing of all non-native fish; removing sediment from the trap and cleaning trash and debris from the trash racks, bar screens, fish trap, and fish-way entrance. Other tasks include: regulating river flows through the fish ladder and attraction flow to remove sediment from the fish-way, noxious weed control, removing all stranded fish in the fish trap and dewatered portion of the fish ladder prior to winterizing.

Task 2. Routine O&M of Price-Stubb Fish Ladder PIT tag antenna and associated equipment. This includes one day of providing personnel, coordinated with the Bureau of Reclamation and their hired contractor that operates a track hoe, to assist with removing high water debris from the passageway.

Task 3. Compile and summarize fish use data from both locations; prepare annual RIP report.

Schedule:

Task 1. 4/2022 – 10/2022; 4/2023 – 10/2023

Task 2. 10/2021 – 09/2022; 10/2022 – 09/2023

Task 3. 10/2022 – 11/2022; 10/2023 – 11/2023.

UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM

Budget Summary:

FY Year	<i>GJFWCO</i>	<i>3% Overhead *</i>	<i>Total</i>
2022	\$56,885.05	\$1,706.55	\$58,591.61
2023	\$56,885.05	\$1,706.55	\$58,591.61
2024	\$75,359.94	\$2,260.80	\$77,620.74
2025	\$76,867.13	\$2,306.01	\$79,173.14
2026	\$78,404.48	\$2,352.13	\$80,756.61
Total	\$344,401.66	\$10,332.05	\$354,733.71

*Paid to USFWS Interior Regions 5 and 7 not GJFWCO

Reviewers:

Program Staff and Biology Committee

References:

Francis, T.A. 2020. Annual Operation and Maintenance of the Fish Passage Structure at the GVWU Dam on the Colorado River. Annual report prepared for the Upper Colorado River Endangered Fish Recovery Program. Recovery Program Project Number C-4b-GVP. U. S. Fish and Wildlife Service, Grand Junction Fish and Wildlife Conservation Office, Grand Junction, Colorado.

SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	U.S.F.W.S. Grand Junction Fish and Wildlife Conservation Office
Project Name:	C-4bGVP, Annual Operation and Maintenance of the Fish Passage Structure at the Government Highline Diversion Dam on the Upper Colorado River.

	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
	10/1/2021		10/1/2022		10/1/2023		10/1/2024		10/1/2025		
	Through		Through		Through		Through		Through		
Enter the BEGINNING dates for each year ----->	9/30/2022		9/30/2023		9/30/2024		9/30/2025		9/30/2026		
Enter the ENDING dates for each year ----->	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
DIRECT LABOR AND FRINGE BENEFIT COSTS:											
Direct Labor - Hourly	\$	35,088.75	\$	35,088.75	\$	46,166.43	\$	47,089.76	\$	48,031.56	\$ 211,465.25
Fringe Benefits - Hourly	\$	17,167.94	\$	17,167.94	\$	22,628.44	\$	23,081.01	\$	23,542.63	\$ 103,587.97
Subtotal of Direct Labor & Fringe Benefits:	\$	52,256.69	\$	52,256.69	\$	68,794.87	\$	70,170.77	\$	71,574.19	\$ 315,053.22
OTHER DIRECT COSTS:											
Materials and Supplies	\$	4,628.36	\$	4,628.36	\$	6,565.07	\$	6,696.36	\$	6,830.29	\$ 29,348.44
Travel Costs	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Contractors	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Subtotal of Other Direct Costs:	\$	4,628.36	\$	4,628.36	\$	6,565.07	\$	6,696.36	\$	6,830.29	\$ 29,348.44
INDIRECT/OVERHEAD COSTS:											
Subtotal of Labor and Other Direct Costs:	\$	56,885.05	\$	56,885.05	\$	75,359.94	\$	76,867.13	\$	78,404.48	\$ 344,401.66
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	
<Enter Description of Indirect/OH Cost #1>	3.00%	\$ 1,706.55	3.00%	\$ 1,706.55	3.00%	\$ 2,260.80	3.00%	\$ 2,306.01	3.00%	\$ 2,352.13	\$ 10,332.05
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	
<Enter Description of Indirect/OH Cost #2>	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	\$ -
Subtotal of Indirect/Overhead Costs:	\$	1,706.55	\$	1,706.55	\$	2,260.80	\$	2,306.01	\$	2,352.13	\$ 10,332.05
		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	TOTAL
GRAND TOTAL:	\$	58,591.61	\$	58,591.61	\$	77,620.74	\$	79,173.14	\$	80,756.61	\$ 354,733.71

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Enter Escalation Rates ----->	Yr 2 Escalation Rate	0.00%
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	Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 1					YEAR 2				
								10/1/2021		Through	9/30/2022		10/1/2022		Through	9/30/2023	
								# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	Project C4b GVWU	1 through 3	Deputy Project Leader	12	4	Rest of US	\$ 40.84	300.0	\$ 40.84	\$ 12,252.00	51.50%	\$6,309.78	300.0	\$ 40.84	\$ 12,252.00	51.50%	\$6,309.78
2	Project C4b GVWU	1 through 3	Project Leader	14	8	Rest of US	\$ 64.35	75.0	\$ 64.35	\$ 4,826.25	42.80%	\$2,065.64	75.0	\$ 64.35	\$ 4,826.25	42.80%	\$2,065.64
3	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	100.0	\$ 23.72	\$ 2,372.00	65.00%	\$1,541.80	100.0	\$ 23.72	\$ 2,372.00	65.00%	\$1,541.80
4	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	200.0	\$ 20.72	\$ 4,144.00	49.80%	\$2,063.71	200.0	\$ 20.72	\$ 4,144.00	49.80%	\$2,063.71
5	Project C4b GVWU	1 through 3	Biological Technician	5	1	Rest of US	\$ 16.90	540.0	\$ 16.90	\$ 9,126.00	45.60%	\$4,161.46	540.0	\$ 16.90	\$ 9,126.00	45.60%	\$4,161.46
6	Project C4b GVWU	1 through 3	Administrative Officer	9	8	Rest of US	\$ 31.58	75.0	\$ 31.58	\$ 2,368.50	43.30%	\$1,025.56	75.0	\$ 31.58	\$ 2,368.50	43.30%	\$1,025.56
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SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate 4.00%

Yr 4 Escalation Rate 2.00%

	Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 3					YEAR 4				
								10/1/2023		Through	9/30/2024		10/1/2024		Through	9/30/2025	
								# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	Project C4b GVWU	1 through 3	Deputy Project Leader	12	4	Rest of US	\$ 40.84	380.0	\$ 42.47	\$ 16,139.97	51.50%	\$8,312.08	380.0	\$ 43.32	\$ 16,462.77	51.50%	\$8,478.33
2	Project C4b GVWU	1 through 3	Project Leader	14	8	Rest of US	\$ 64.35	100.0	\$ 66.92	\$ 6,692.40	42.80%	\$2,864.35	100.0	\$ 68.26	\$ 6,826.25	42.80%	\$2,921.63
3	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	140.0	\$ 24.67	\$ 3,453.63	65.00%	\$2,244.86	140.0	\$ 25.16	\$ 3,522.70	65.00%	\$2,289.76
4	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	240.0	\$ 21.55	\$ 5,171.71	49.80%	\$2,575.51	240.0	\$ 21.98	\$ 5,275.15	49.80%	\$2,627.02
5	Project C4b GVWU	1 through 3	Biological Technician	5	1	Rest of US	\$ 16.90	650.0	\$ 17.58	\$ 11,424.40	45.60%	\$5,209.53	650.0	\$ 17.93	\$ 11,652.89	45.60%	\$5,313.72
6	Project C4b GVWU	1 through 3	Administrative Officer	9	8	Rest of US	\$ 31.58	100.0	\$ 32.84	\$ 3,284.32	43.30%	\$1,422.11	100.0	\$ 33.50	\$ 3,350.01	43.30%	\$1,450.55
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								1,610.00		\$ 46,166.43		\$ 22,628.44	1,610.00		\$ 47,089.76		\$ 23,081.01

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 5 Escalation Rate	2.00%
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								YEAR 5								
								10/1/2025		Through	9/30/2026		Total Salary Cost	Total Fringe Cost	Total Labor Cost	
Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost					
1	Project C4b GVWU	1 through 3	Deputy Project Leader	12	4	Rest of US	\$ 40.84	380.0	\$ 44.19	\$ 16,792.02	51.50%	\$ 8,647.89	\$ 73,898.76	\$ 38,057.86	\$ 111,956.62	
2	Project C4b GVWU	1 through 3	Project Leader	14	8	Rest of US	\$ 64.35	100.0	\$ 69.63	\$ 6,962.77	42.80%	\$ 2,980.07	\$ 30,133.92	\$ 12,897.32	\$ 43,031.24	
3	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	140.0	\$ 25.67	\$ 3,593.16	65.00%	\$ 2,335.55	\$ 15,313.50	\$ 9,953.77	\$ 25,267.27	
4	Project C4b GVWU	1 through 3	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	240.0	\$ 22.42	\$ 5,380.65	49.80%	\$ 2,679.56	\$ 24,115.51	\$ 12,009.52	\$ 36,125.03	
5	Project C4b GVWU	1 through 3	Biological Technician	5	1	Rest of US	\$ 16.90	650.0	\$ 18.29	\$ 11,885.95	45.60%	\$ 5,419.99	\$ 53,215.23	\$ 24,266.15	\$ 77,481.38	
6	Project C4b GVWU	1 through 3	Administrative Officer	9	8	Rest of US	\$ 31.58	100.0	\$ 34.17	\$ 3,417.01	43.30%	\$ 1,479.56	\$ 14,788.33	\$ 6,403.35	\$ 21,191.68	
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27							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	
28							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	
29							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	
30							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	
31							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	
								1,610.00		\$ 48,031.56		\$ 23,542.63	\$ 211,465.25	\$ 103,587.97	\$ 315,053.22	

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

	Project Numb	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1		
					Unit Price	Unit Quantity	Subtotal
1	C4b Redlands	1 & 2	Miscellaneous Office Supplies	\$324.6 was funded in FY20 Agreement (R20	\$ 324.60	0	\$ -
2	C4b Redlands	1 & 2	Miscellaneous Field and Grounds Maintenance Sup	\$432.81 as funded in FY20 Agreement (R20	\$ 432.81	0	\$ -
3	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (monthly lease)	http://www.gsa.gov/portal/category/21852	\$ 448.00	5	\$ 2,240.00
4	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.40	5956	\$ 2,388.36
5					\$ -	0	\$ -
6					\$ -	0	\$ -
7					\$ -	0	\$ -
8					\$ -	0	\$ -
9					\$ -	0	\$ -
10					\$ -	0	\$ -
11					\$ -	0	\$ -
12					\$ -	0	\$ -
13					\$ -	0	\$ -
14					\$ -	0	\$ -
15					\$ -	0	\$ -
16					\$ -	0	\$ -
17					\$ -	0	\$ -
18					\$ -	0	\$ -
19					\$ -	0	\$ -
20					\$ -	0	\$ -
21					\$ -	0	\$ -
22					\$ -	0	\$ -
23					\$ -	0	\$ -
24					\$ -	0	\$ -
25					\$ -	0	\$ -
26					\$ -	0	\$ -
27					\$ -	0	\$ -
28					\$ -	0	\$ -
29					\$ -	0	\$ -
30					\$ -	0	\$ -
TOTAL:							\$ 4,628.36

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICE	Yr 2 Escalation Rate	0.00%	Yr 3 Escalation Rate	4.00%
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	Project Numb	Task # or Description	Item Description	Year 2			Year 3			
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	C4b Redlands	1 & 2	Miscellaneous Office Supplies	\$ 324.60	0	\$ -	\$ 337.59	1	\$ 337.59	
2	C4b Redlands	1 & 2	Miscellaneous Field and Grounds Maintenance Sup	\$ 432.81	0	\$ -	\$ 450.12	1	\$ 450.12	
3	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (monthly lease)	\$ 448.00	5	\$ 2,240.00	\$ 465.92	6	\$ 2,795.52	
4	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (mileage rate)	\$ 0.40	5956	\$ 2,388.36	\$ 0.42	7150	\$ 2,981.84	
5				\$ -	0	\$ -	\$ -	0	\$ -	
6				\$ -	0	\$ -	\$ -	0	\$ -	
7				\$ -	0	\$ -	\$ -	0	\$ -	
8				\$ -	0	\$ -	\$ -	0	\$ -	
9				\$ -	0	\$ -	\$ -	0	\$ -	
10				\$ -	0	\$ -	\$ -	0	\$ -	
11				\$ -	0	\$ -	\$ -	0	\$ -	
12				\$ -	0	\$ -	\$ -	0	\$ -	
13				\$ -	0	\$ -	\$ -	0	\$ -	
14				\$ -	0	\$ -	\$ -	0	\$ -	
15				\$ -	0	\$ -	\$ -	0	\$ -	
16				\$ -	0	\$ -	\$ -	0	\$ -	
17				\$ -	0	\$ -	\$ -	0	\$ -	
18				\$ -	0	\$ -	\$ -	0	\$ -	
19				\$ -	0	\$ -	\$ -	0	\$ -	
20				\$ -	0	\$ -	\$ -	0	\$ -	
21				\$ -	0	\$ -	\$ -	0	\$ -	
22				\$ -	0	\$ -	\$ -	0	\$ -	
23				\$ -	0	\$ -	\$ -	0	\$ -	
24				\$ -	0	\$ -	\$ -	0	\$ -	
25				\$ -	0	\$ -	\$ -	0	\$ -	
26				\$ -	0	\$ -	\$ -	0	\$ -	
27				\$ -	0	\$ -	\$ -	0	\$ -	
28				\$ -	0	\$ -	\$ -	0	\$ -	
29				\$ -	0	\$ -	\$ -	0	\$ -	
30				\$ -	0	\$ -	\$ -	0	\$ -	
						\$ 4,628.36				\$ 6,565.07

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICE	Yr 4 Escalation Rate	2.00%
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				Year 4		
#	Project Numb	Task # or Description	Item Description	Unit Price	Unit Quantity	Subtotal
1	C4b Redlands	1 & 2	Miscellaneous Office Supplies	\$ 344.34	1	\$ 344.34
2	C4b Redlands	1 & 2	Miscellaneous Field and Grounds Maintenance Sup	\$ 459.12	1	\$ 459.12
3	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (monthly lease)	\$ 475.24	6	\$ 2,851.43
4	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (mileage rate)	\$ 0.43	7150	\$ 3,041.47
5				\$ -	0	\$ -
6				\$ -	0	\$ -
7				\$ -	0	\$ -
8				\$ -	0	\$ -
9				\$ -	0	\$ -
10				\$ -	0	\$ -
11				\$ -	0	\$ -
12				\$ -	0	\$ -
13				\$ -	0	\$ -
14				\$ -	0	\$ -
15				\$ -	0	\$ -
16				\$ -	0	\$ -
17				\$ -	0	\$ -
18				\$ -	0	\$ -
19				\$ -	0	\$ -
20				\$ -	0	\$ -
21				\$ -	0	\$ -
22				\$ -	0	\$ -
23				\$ -	0	\$ -
24				\$ -	0	\$ -
25				\$ -	0	\$ -
26				\$ -	0	\$ -
27				\$ -	0	\$ -
28				\$ -	0	\$ -
29				\$ -	0	\$ -
30				\$ -	0	\$ -
						\$ 6,696.36

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICE	Yr 5 Escalation Rate	2.00%
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	Project Numb	Task # or Description	Item Description	Year 5			TOTAL
				Unit Price	Unit Quantity	Subtotal	
1	C4b Redlands	1 & 2	Miscellaneous Office Supplies	\$ 351.23	1	\$ 351.23	\$ 1,033.16
2	C4b Redlands	1 & 2	Miscellaneous Field and Grounds Maintenance Sup	\$ 468.30	1	\$ 468.30	\$ 1,377.54
3	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (monthly lease)	\$ 484.74	6	\$ 2,908.46	\$ 13,035.41
4	C4b Redlands	1 & 2	GSA Lease of Equip Code 6359 (mileage rate)	\$ 0.43	7150	\$ 3,102.30	\$ 13,902.33
5				\$ -	0	\$ -	\$ -
6				\$ -	0	\$ -	\$ -
7				\$ -	0	\$ -	\$ -
8				\$ -	0	\$ -	\$ -
9				\$ -	0	\$ -	\$ -
10				\$ -	0	\$ -	\$ -
11				\$ -	0	\$ -	\$ -
12				\$ -	0	\$ -	\$ -
13				\$ -	0	\$ -	\$ -
14				\$ -	0	\$ -	\$ -
15				\$ -	0	\$ -	\$ -
16				\$ -	0	\$ -	\$ -
17				\$ -	0	\$ -	\$ -
18				\$ -	0	\$ -	\$ -
19				\$ -	0	\$ -	\$ -
20				\$ -	0	\$ -	\$ -
21				\$ -	0	\$ -	\$ -
22				\$ -	0	\$ -	\$ -
23				\$ -	0	\$ -	\$ -
24				\$ -	0	\$ -	\$ -
25				\$ -	0	\$ -	\$ -
26				\$ -	0	\$ -	\$ -
27				\$ -	0	\$ -	\$ -
28				\$ -	0	\$ -	\$ -
29				\$ -	0	\$ -	\$ -
30				\$ -	0	\$ -	\$ -
						\$ 6,830.29	\$ 29,348.44