

CIVIL ENGINEERS & LAND SURVEYORS

PHONE (605) 225-1212 TOLL FREE 1-888-378-4394

ATTACHMENT "B"

SUMMARY OF ENGINEERING COSTS

A.I.P. PROJECT NO. 3-06-0010-057-2023

REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT MCKINLEYVILLE, CALIFORNIA

		PROJECT TOTAL
SECTION 1		
PROJECT DEVELOPMENT	\$61,784.20	
PROJECT CLOSEOUT	\$55,138.02	
SPECIAL SERVICES _	\$15,544.18	
LUMP SUM TOTAL	\$132,466.40	\$132,466.40
SECTION 2		
BIDDING SERVICES	\$55,801.90	
LUMP SUM TOTAL	\$55,801.90	\$55,801.90
SECTION 3		
CONSTRUCTION ADMINISTRATION		
COSTS	\$320,219.51	
**FIXED FEE	\$20,259.56	
TOTAL	\$340,479.07	\$340,479.07
SECTION 4		
CONSTRUCTION OBSERVATION		
COSTS	\$151,945.49	
**FIXED FEE	\$20,740.78	
TOTAL	\$172,686.27	\$172,686.27
TOTAL PROJE	CT ENGINEERING SERVICES	\$701,433.63

A-9138 AIP# 3-06-0010-057-2023

ATTACHMENT "B" SECTION I, PHASE I REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT PROJECT DEVELOPMENT

	Proj.	Senior		Proj.	Proj.		Land	Tech.	Tech.	Project	Clerical
Work Description	Man.	Engr.		Engr. II	Engr. V	S	urveyor III	II	I	Administrator	II
•	(hrs)	(hrs)		(hrs)	(hrs)		(hrs)	(hrs)	(hrs)	(hrs)	(hrs)
Conduct Scoping Meeting	20	20		20	0		0	0	0	0	0
2 Develop Draft Scope of Work	4	8		12	0		0	0	0	0	2
3 Coordinate with Subconsultants	10	20		40	0		0	0	0	0	0
Prepare Final Scope of Work	2	4		6	0		0	0	0	0	2
5 Coordinate with FAA ATO	8	12		0	0		0	0	0	0	0
TOTAL HOURS	44	64		78	0		0	0	0	0	4
	Hours			Rate \$/hr							
Project Manager	44	@	\$	102.00	=	\$	4,488.00				
Senior Engineer	64	@	\$	80.00	=	\$	5,120.00				
Project Engineer II	78	@	\$	44.25	=	\$	3,451.50				
Project Engineer V	0	@	\$	37.25	=	\$	_				
Land Surveyor III	0	@	\$	43.20	=	\$	-				
Technician II	0	@	\$	33.50	=	\$	-				
Technician I	0	@	\$	36.00	=	\$	-				
Project Administrator	0	@	\$	44.90	=	\$	-				
Clerical II	4	@	\$	21.20	=	\$	84.80				
			SIII	BTOTAL (1)	,	\$	13,144.30				
			502	0101.12 (1)		Ψ	15,111150				
TOTAL DIRECT LABOR COST		Subtotal (1)			=	\$	13,144.30				
DIRECT LABOR OVERHEAD	- ,			0.70176	=	\$	9,224.14				
GENERAL & ADMIN. OVERHEAD \$	13,144.30	wages x		1.27816	=	\$	16,800.52				
			SUI	BTOTAL (2)		\$	39,168.96				
PROFIT (P) AT 15% OF SUBTOTAL (2)	0.15	(P) x	\$	39,168,96	=	\$	5,875.34				
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032 x	0.13	(1) A	\$	13,144.30	=	\$	135.65				
MILEAGE	0	Mi. @	\$	0.2441	=	\$	-				
ADDITIONAL COSTS:	O		Mea		=	\$	240.00				
ADDITIONAL COSTS.				lging	=	\$	288.00				
			Air		=	\$	2,250.00				
				ital Car	=	\$	220.00				
OUTSIDE SERVICES @ COST			11011		=	\$	-				
			me			ф.	40.488.65				
				TAL		\$	48,177.95				
		*RI	EVIS	ED TOTAL		\$	61,784.20				

^{*}Revised Total is the difference in Annual Median Wages for South Dakota and California for Civil Engineers as reported by the Bureau of Labor Statistics

ATTACHMENT "B" SECTION I, PHASE II REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT PROJECT CLOSEOUT

Clerical

II (hrs) 0

0

12

					TAL ED TOTAL		\$ \$	44,924.45 55,138.02			
								,			
OUTSIDE SERVICES @ COST				1.01	0	=	\$	11,010.00			
					tal Car	=	\$	-			
				Airt		=	\$	-			
ADDITIONAL COSTS.					ging	=	\$	-			
ADDITIONAL COSTS:		U	IVII. W	Me:		=	\$	-			
MILEAGE	∠ X	0	Mi. @	\$	0.2441	=	\$	101.63			
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032	2 v	0.15	(F) X	\$	9,866,80	= =	\$	4,410.34 101.83			
PROFIT (P) AT 15% OF SUBTOTAL (2)		0.15	(P) x	\$	29,402.28	=	\$	4,410.34			
		,		SIT	BTOTAL (2)		\$	29,402.28			
GENERAL & ADMIN. OVERHEAD	\$	9,866.80			1.27816	=	\$	12,611.35			
DIRECT LABOR OVERHEAD	\$	9,866.80			0.70176	=	\$	6,924.13			
TOTAL DIRECT LABOR COST			Subtotal (1)			=	\$	9,866.80			
				SUI	BTOTAL (1)		\$	9,866.80			
Clerical II		12	@	\$	21.20	=	\$	254.40			
Project Administrator		16	@	\$	44.90	=	\$	718.40			
Technician I		70	@	\$	36.00	=	\$	2,520.00			
Technician II		0	@	\$	33.50	=	\$	-			
Land Surveyor III		0	@	\$	43.20	=	\$	-			
Project Engineer V		70	@	\$	37.25	=	\$	2,607.50			
Project Engineer II		58	@	\$	44.25	=	\$	2,566.50			
Senior Engineer		15	@	\$	80.00	=	\$	1,200.00			
Project Manager		0	@	\$	102.00	=	\$				
		Hours			Rate \$/hr						
TOTAL HOURS		0	15		58	70		0	0	70	16
6 Prepare Final Engineers Report		0	5		10	40		0	0	0	0
5 Prepare Record Drawings		0	5		10	10		0	0	30	0
4 Assist Sponsor with Updating AFD and Airport Master Record		0	0		10	0		0	0	20	0
3 Update Part 139 Exhibits		0	0		10	0		0	0	20	0
2 Assist Sponsor with Grant Closeout Forms		0	0		8	0		0	0	0	16
1 Prepare Summary of Tests		0	5		10	20		0	0	0	0
		(hrs)	(hrs)		(hrs)	(hrs)		(hrs)	(hrs)	(hrs)	(hrs)
Work Description		Man.	Engr.		Engr. II	Engr. V	S	urveyor III	II	I	Administrato
		Proj.	Senior		Proj.	Proj.		Land	Tech.	Tech.	Project

*Revised Total is the difference in Annual Median Wages for South Dakota and California for Civil Engineers as reported by the Bureau of Labor Statistics

ATTACHMENT "B" SECTION 1, PHASE III REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT SPECIAL SERVICES

Work Description	Proj. Man. (hrs)	Senior Engr. (hrs)]	Proj. Engr. II (hrs)	Proj. Engr. V (hrs)	S	Land urveyor III (hrs)	Tech. II (hrs)	Tech. I (hrs)	Project Administrator (hrs)	Clerical II (hrs)
Update Categorical Exclusion Form	2	4		16	0		0	0	8	0	0
2 DBE Program Assistance	2	4		8	0		0	0	0	24	0
TOTAL HOURS	4	8		24	0		0	0	8	24	0
	Hours		R	Rate \$/hr							
Project Manager	4	@	\$	102.00	=	\$	408.00				
Senior Engineer	8	@	\$	80.00	=	\$	640.00				
Project Engineer II	24	@	\$	44.25	=	\$	1,062.00				
Project Engineer V	0	@	\$	37.25	=	\$	-				
Land Surveyor III	0	@	\$	43.20	=	\$	-				
Technician II	0	@	\$	33.50	=	\$	-				
Technician I	8	@	\$	36.00	=	\$	288.00				
Project Administrator	24	@	\$	44.90	=	\$	1,077.60				
Clerical II	0	@	\$	21.20	=	\$	-				
			SUB	TOTAL (1)		\$	3,475.60				
TOTAL DIRECT LABOR COST		Subtotal (1)			=	\$	3,475.60				
DIRECT LABOR OVERHEAD \$	3.475.60	wages x		0.70176	=	\$	2,439.04				
GENERAL & ADMIN. OVERHEAD \$				1.27816	=	\$	4,442.37				
			SUB	TOTAL (2)		\$	10,357.01				
PROFIT (P) AT 15% OF SUBTOTAL (2)	0.15	i (P) x	\$	10,357.01	=	\$	1,553.55				
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032 x			\$	3,475.60	=	\$	35.87				
MILEAGE		Mi. @	\$	0.2441	=	\$	-				
ADDITIONAL COSTS:			Meal	ls	=	\$	-				
			Lodg	ging	=	\$	-				
			Airfa		=	\$	-				
			Rent	al Car	=	\$	-				
OUTSIDE SERVICES @ COST					=	\$	-				
			тот	AL		\$	11,946.43				

\$ 15,544.18

^{*}REVISED TOTAL *Revised Total is the difference in Annual Median Wages for South Dakota and California for Civil Engineers as reported by the Bureau of Labor Statistics

ATTACHMENT "B" SECTION 2 REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT BIDDING SERVICES

	Proj		Senior		Proj.	Proj.		Land	Tech.	Tech.	Project	Clerical
Work Description	Man		Engr.		Engr. II	Engr. V	S	urveyor III	II	I	Administrator	II
-	(hrs)		(hrs)		(hrs)	(hrs)		(hrs)	(hrs)	(hrs)	(hrs)	(hrs)
1 Assist with Advertising	0		2		8	0		0	0	0	0	4
2 Provide Technical Assistance During Bidding	2		8		32	0		0	0	0	0	0
3 Attend and Assist with PreBid Meeting	0		20		20	0		0	0	0	0	0
4 Provide Online Bidding Platform	2		2		2	0		0	0	0	0	4
5 Prepare Abstract of Bids	0		1		2	0		0	0	0	0	1
6 Update Preliminary Grant Application	0		2		4	0		0	0	0	0	1
7 Assist with Award Notification	0		2		4	0		0	0	0	0	1
TOTAL HOURS	4		37		72	0		0	0	0	0	11
	Hour	s			Rate \$/hr							
Project Manager	4		@	\$	102.00	=	\$	408.00				
Senior Engineer	37		@	\$	80.00	=	\$	2,960.00				
Project Engineer II	72		@	\$	44.25	=	\$	3,186.00				
Project Engineer V	0		@	\$	37.25	=	\$	-				
Land Surveyor III	0		@	\$	43.20	=	\$	-				
Technician II	0		@	\$	33.50	=	\$	-				
Technician I	0		@	\$	36.00	=	\$	-				
Project Administrator	0		@	\$	44.90	=	\$	-				
Clerical II	11		@	\$	21.20	=	\$	233.20				
				SU	BTOTAL (1)		\$	6,787.20				
TOTAL DIRECT LABOR COST			Subtotal (1)			=	\$	6,787.20				
DIRECT LABOR OVERHEAD	\$ 6,78	37.20	wages x		0.70176	=	\$	4,762.99				
GENERAL & ADMIN. OVERHEAD			wages x		1.27816	=	\$	8,675.13				
				SU	BTOTAL (2)		\$	20,225.32				
PROFIT (P) AT 15% OF SUBTOTAL (2)		0.15	(P) x	\$	20,225.32	=	\$	3,033.80				
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032	2 x		* 1	\$	6,787.20	=	\$	70.04				
MILEAGE			Mi. @	\$	0.2441	=	\$	-				
ADDITIONAL COSTS:				Me	als	=	\$	160.00				
				Loc	lging		\$	192.00				
					fare	=	\$	1,500.00				
				Rer	ntal Car	=	\$	220.00				
OUTSIDE SERVICES @ COST						=	\$	23,375.00				
				то	m		Φ.	40.557.17				
				- 10	TAL		5	48,776.16				

^{*}Revised Total is the difference in Annual Median Wages for South Dakota and California for Civil Engineers as reported by the Bureau of Labor Statistics

ATTACHMENT "B" SECTION 3 REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT CONSTRUCTION ADMINISTRATION

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w to	l	Proj.	Senior		Proj.	Proj.	Ι.	Land	Tech.	Tech.	Project	Clerical
Work Description	l	Man.	Engr.		Engr. II	Engr. V	1 5	Surveyor III	II	I	Administrator	
	ᄂ	(hrs)	(hrs)		(hrs)	(hrs)	_	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)
1 Coordinate Const Contract Docs	<u>↓</u>	0	2		4	0		0	0	0	8	2
Assist Sponsor with Registering for DIR number	Ь.	0	2		8	0		0	0	0	0	0
3 Provide Sponsor Copies of Contract Docs	<u>↓</u>	0	0		4	0		0	0	0	0	2
4 Review and Accept SPCD	Ь.	0	2		4	0		0	0	0	0	0
5 Review Subcontractor Contracts	Ь.	0	4		8	0		0	0	0	16	0
6 Review Submittals	Ь_	0	4		24	0		0	0	0	0	0
7 Conduct PreCon Meeting	Ь.	0	20		20	20		0	0	0	0	0
8 Identify Survey Control Points	<u>↓</u>	0	4		8	8		16	0	0	0	0
9 Provide Technical Assistance	Ь.	10	40		90	0		0	0	0	0	0
10 Conduct ATO Coordination Meetings	<u>↓</u>	12	12		12	0		0	0	0	0	0
11 Consruction Site Visits	Ь.	0	80		120	0		0	0	0	0	0
12 Prepare Change Orders	Ь_	0	4		16	0		0	0	0	0	0
13 Prepare/Confirm Monthly Pay Requests	<u> </u>	0	8		24	0		0	0	0	0	0
TOTAL HOURS		22	182		342	28		16	0	0	24	4
		Hours			Rate \$/hr							
Project Manager		22	@	\$	102.00	=	\$	2,244.00				
Senior Engineer		182	@	\$	80.00	=	\$	14,560.00				
Project Engineer II		342	@	\$	44.25	=	\$	15,133.50				
Project Engineer V		28	@	\$	37.25	=	\$	1,043.00				
Land Surveyor III		16	@	\$	43.20	=	\$	691.20				
Technician II		0	@	\$	33.50	=	\$	-				
Technician I		0	@	\$	36.00	=	\$	_				
Project Administrator		24	@	\$	44.90	=	\$	1,077.60				
Clerical II		4	@	\$	21.20	=	\$	84.80				
Cicirca a					BTOTAL (1)			34,834.10				
					- ()			,				
TOTAL DIRECT LABOR COST			Subtotal (1)			=	\$	34,834.10				
DIRECT LABOR OVERHEAD	\$	34,834.10	wages x		0.70176	=	\$	24,445.18				
GENERAL & ADMIN. OVERHEAD	\$	34,834.10	wages x		1.27816	=	\$	44,523.55				
				SUI	BTOTAL (2)		\$	103,802.83				
PROFIT (P) AT 15% OF SUBTOTAL (2)		0.15	(P) x		103,802.83	=	\$	15,570.42				
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032	X			\$	34,834.10	=	\$	359.49				
MILEAGE			Mi. @	\$	0.2441	=	\$	-				
ADDITIONAL COSTS:				Mea		=	\$	1,040.00				
					lging	=	\$	1,728.00				
				Air		=	\$	6,000.00				
				Ren	ıtal Car	=	\$	2,420.00				
OUTSIDE SERVICES @ COST	_					=	\$	173,500.00				
				TO	TAL		\$	304,420.74				
			*D		ED TOTAL			340,479.07				
			**K	II V 13.	ED IUIAL		Ф	340,473.07				

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ATTACHMENT "B" SECTION 4 REHABILITATE AIRPORT LIGHTING SYSTEM CALIFORNIA REDWOOD COAST - HUMBOLDT COUNTY AIRPORT CONSTRUCTION OBSERVATION

	Proj.	Senior		Proj.	Proj.		Land	Tech.	Tech.	Project	Clerical
Work Description	Man.	Engr.	I	Engr. II	Engr. V	S	urveyor III	П	I	Administrator	П
•	(hrs)	(hrs)		(hrs)	(hrs)		(hrs)	(hrs)	(hrs)	(hrs)	(hrs)
1 Provide Full Time Inspection	0	0		0	650		0	0	0	0	0
2 Prepare and Submit Weekly Inspection Reports	0	0		20	60		0	0	0	0	20
3 Conduct Final Inspection	30	30		30	30		0	0	0	0	0
TOTAL HOURS	30	30		50	740		0	0	0	0	20
	Hours		R	ate \$/hr							
Project Manager	30	@	\$	102.00	=	\$	3,060.00				
Senior Engineer	30	@	\$	80.00	=	\$	2,400.00				
Project Engineer II	50	@	\$	44.25	=	\$	2,212.50				
Project Engineer V	740	@	\$	37.25	=	\$	27,565.00				
Land Surveyor III	0	@	\$	43.20	=	\$	-				
Technician II	0	@	\$	33.50	=	\$	-				
Technician I	0	@	\$	36.00	=	\$	-				
Project Administrator	0	@	\$	44.90	=	\$	-				
Clerical II	20	@	\$	21.20	=	\$	424.00				
			SUB	TOTAL (1)		\$	35,661.50				
TOTAL DIRECT LABOR COST		Subtotal (1)			=	\$	35,661.50				
DIRECT LABOR OVERHEAD \$	35,661.50	wages x		0.70176	=	\$	25,025.81				
GENERAL & ADMIN. OVERHEAD \$	35,661.50	wages x		1.27816	=	\$	45,581.10				
			SUB	TOTAL (2)		\$	106,268.41				
PROFIT (P) AT 15% OF SUBTOTAL (2)	0.15	(P) x	\$ 1	06,268.41	=	\$	15,940.26				
COST OF MONEY @ 1.032% OF SUBTOTAL (1) 0.01032 x	0.15	(1) X		35,661.50	=	\$	368.03				
MILEAGE	5550	Mi. @	\$	0.2441	=	\$	1,354.76				
ADDITIONAL COSTS:	3330	WII. @	Meal		=	\$	2,600.00				
ADDITIONAL COSTS.			Lodg		=	\$	6,240.00				
			Airfa		=	\$	3,000.00				
				al Car	=	\$	3,000.00				
OUTSIDE SERVICES @ COST			Kent	ai Cai	=	\$	-				
						Ψ					

TOTAL *REVISED TOTAL

\$ 135,771.46 \$ 172,686.27

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^{*}Revised Total is the difference in Annual Median Wages for South Dakota and California for Civil Engineers as reported by the Bureau of Labor Statistics