

## Detailed Engineering Fee Breakout

**AIRPORT:** CA Redwood Coast - Humboldt Co Airport      **ACI PROJECT NUMBER:** 22795  
**LOCATION:** McKinleyville, California      **DATE:** 6/6/24  
**AIP GRANT NO.:** TBD      **REV. NO.:** 1  
**PROJECT DESCRIPTION:** Reconstruct/Relocate Taxiway A (CatEx and Design)

**Note:** This spreadsheet is provided to show how the lump sum totals for each phase have been established. The monthly billing will be a simple percentage of each phases total lump sum amount.

	Proposed Fee	Independent Fee Analysis	Negotiated Fee
I PROJECT DEVELOPMENT & ADMINISTRATION (ELEMENT 1)	\$77,590.00	\$159,803.84	\$77,590.00
II PRELIMINARY DESIGN (ELEMENT 1)	\$235,260.00	\$192,725.48	\$224,680.00
III FINAL DESIGN (ELEMENT 1)	\$155,370.00	\$66,863.56	\$155,370.00
IV PROJECT CLOSEOUT (ELEMENT 1)	\$21,420.00	\$12,017.79	\$21,420.00
V SPECIAL SERVICES (ELEMENT 1)		\$463,793.67	
Categorical Exclusion Form	\$19,900.00		\$19,900.00
DBE Program Assistance	\$8,200.00		\$8,200.00
Title VI Plan Assistance	\$10,700.00		\$10,700.00
Topographical/Land Survey	\$60,900.00		\$60,900.00
Geotechnical Investigation	\$94,200.00		\$94,200.00
Electrical Design	\$247,580.00		\$217,580.00
Utility Investigation	\$13,000.00		\$13,000.00
<b>TOTAL ENGINEERING SERVICES (ELEMENT 1)</b>	<b>\$944,120.00</b>	<b>\$895,204.34</b>	<b>\$903,540.00</b>

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### I. PROJECT DEVELOPMENT (ELEMENT 1)

Item No.	Principal	Project Manager II	Project Manager I	Design Engineer	Design Tech	Project Coordinator	Total	Cost
<b>PROJECT DEVELOPMENT PHASE</b>								
	\$335.69	\$316.50	\$271.75	\$211.00	\$159.65	\$156.65	Hours	Summary
1	2	2					4	\$1,304.38
2		2		4	4		10	\$2,115.60
3		2					2	\$633.00
4		2					2	\$633.00
5		4					4	\$1,266.00
6		1					1	\$316.50
7	1	2				1	4	\$1,125.34
8		1				1	2	\$473.15
9		2				4	6	\$1,259.60
10	2	4				8	14	\$3,190.58
11	<b>Project Management and Administration</b>							
a.	8	32		32	8		80	\$20,842.72
b.		8		8			16	\$4,220.00
c.	2	12		12		4	30	\$7,627.98
d.	2	8		8		8	26	\$6,144.58
e.	2	8		12		16	38	\$8,241.78
12		8				2	10	\$2,845.30
13	2	8		8		2	20	\$5,204.68
14		16					16	\$5,064.00
15	3	3					6	\$1,956.57
<b>Estimated Total Man-hours</b>								
	24	125	0	84	12	46	291	
<b>Summary Costs</b>								
	\$8,056.56	\$39,562.50	\$0.00	\$17,724.00	\$1,915.80	\$7,205.90		\$74,464.76
<b>Reimbursables</b>								
		2				2 Days	\$59.00	\$118.00
		2				2 Days	\$107.00	\$214.00
		2				2 Days	\$150.00	\$300.00
						0 Miles	\$0.670	\$0.00
		2				2 Trips	\$1,250.00	\$2,500.00
							\$ -	Actual Cost \$0.00
<b>Total Project Development Phase:</b>								<b>\$77,596.76</b>
								use \$77,590.00

### II. PRELIMINARY DESIGN (ELEMENT 1)

Item No.	Principal	Project Manager II	Project Manager I	Design Engineer	Design Tech	Project Coordinator	Total	Cost
<b>PRELIMINARY DESIGN PHASE</b>								
	\$335.69	\$316.50	\$271.75	\$211.00	\$159.65	\$156.65	Hours	Summary
1		4			8		12	\$2,543.20
2	1	2	6		2		11	\$2,918.49
3	1	6		24	32	1	64	\$12,564.14
4	1	12		24	40		77	\$15,583.69
5	2	8		24			34	\$8,267.38
6	2	6		24	2		34	\$7,953.68
7	4	32		40	8		84	\$21,187.96
8	2	24		40	6		72	\$17,665.28
9	24	90		160	160		434	\$95,845.56
10	1	4		8		8	21	\$4,542.89
11	2	32		40		16	90	\$21,745.78
12	1	4		12		6	23	\$5,073.59
13	2	2		2	2		10	\$2,358.98
14	4	4		4			12	\$3,452.76
<b>Estimated Total Man-hours</b>								
	47	230	6	402	260	33	978	
<b>Summary Costs</b>								
	\$15,777.43	\$72,795.00	\$1,630.50	\$84,822.00	\$41,509.00	\$5,169.45		\$221,703.38
<b>Reimbursables</b>								
		1		1		2 Days	\$59.00	\$118.00
		1		1		2 Days	\$107.00	\$214.00
		1				1 Days	\$150.00	\$150.00
						0 Miles	\$0.670	\$0.00
		1		1		2 Trips	\$1,250.00	\$2,500.00
							\$ -	Actual Cost \$0.00
<b>Total Prelim Design Phase:</b>								<b>\$224,685.38</b>
								use \$224,680.00

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#### III. FINAL DESIGN (ELEMENT 1)

Item No.	Principal	Project Manager II	Project Manager I	Design Engineer	Design Tech	Project Coordinator	Total	Cost						
<b>FINAL DESIGN PHASE</b>							Hours	Summary						
	\$335.69	\$316.50	\$271.75	\$211.00	\$159.65	\$156.65								
1		4		4	4	4	16	\$3,375.20						
2		4		16	16		36	\$7,196.40						
3	1	4		12			17	\$4,133.69						
4	2	8		40	2	4	56	\$12,589.28						
5	1	8		16	16	2	43	\$9,111.39						
6	2	6		16	8	4	36	\$7,850.18						
7	12	60		120	120	40	352	\$73,762.28						
8		2		2		2	6	\$1,368.30						
9		4		4	4	4	16	\$3,375.20						
10	6	6		6			18	\$5,179.14						
11	8	16		40	40	12	116	\$24,455.32						
<b>Estimated Total Man-hours</b>							<b>32</b>	<b>122</b>	<b>0</b>	<b>276</b>	<b>210</b>	<b>72</b>	<b>712</b>	
<b>Summary Costs</b>							<b>\$10,742.08</b>	<b>\$38,613.00</b>	<b>\$0.00</b>	<b>\$58,236.00</b>	<b>\$33,526.50</b>	<b>\$11,278.80</b>		<b>\$152,396.38</b>
<b>Reimbursables</b>														
Meals and Incidental Expenses Per Diem							1		1		2 Days	\$59.00	\$118.00	
Lodging Per Diem							1		1		2 Days	\$107.00	\$214.00	
Rental Car							1				1 Days	\$150.00	\$150.00	
Mileage											0 Miles	\$0.670	\$0.00	
Airfare							1		1		2 Trips	\$1,250.00	\$2,500.00	
Misc Expenses												\$ -	Actual Cost	\$0.00
												<b>Total Final Design Phase:</b>	<b>\$155,378.38</b>	
												use	\$155,370.00	

#### IV. PROJECT CLOSEOUT (ELEMENT 1)

Item No.	Principal	Project Manager II	Project Manager I	Design Engineer	Design Tech	Project Coordinator	Total	Cost						
<b>PROJECT CLOSEOUT</b>							Hours	Summary						
	\$335.69	\$316.50	\$271.75	\$211.00	\$159.65	\$156.65								
1	2	16		16		8	42	\$10,364.58						
2	4	16		16	8		42	\$11,059.96						
<b>Estimated Total Man-hours</b>							<b>6</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>8</b>	<b>42</b>		
<b>Summary Costs</b>							<b>\$2,014.14</b>	<b>\$10,128.00</b>	<b>\$0.00</b>	<b>\$6,752.00</b>	<b>\$1,277.20</b>	<b>\$1,253.20</b>	<b>\$21,424.54</b>	
<b>Reimbursables</b>														
Meals and Incidental Expenses Per Diem											0 Days	\$59.00	\$0.00	
Lodging Per Diem											0 Days	\$107.00	\$0.00	
Rental Car											0 Days	\$150.00	\$0.00	
Mileage											0 Miles	\$0.670	\$0.00	
Airfare											0 Trips	\$1,250.00	\$0.00	
Misc Expenses												\$ -	Actual Cost	\$0.00
												<b>Total Project Closeout:</b>	<b>\$21,424.54</b>	
												use	\$21,420.00	

#### V. SPECIAL SERVICES (ELEMENT 1)

Item No.	Principal	Project Manager II	Airport Planner	Env Scientist	Design Tech	Project Coordinator	Total	Cost						
<b>SPECIAL SERVICES - In House</b>							Hours	Summary						
	\$335.69	\$316.50	\$236.58	\$191.82	\$159.65	\$156.65								
1	8	8		60	16	4	96	\$19,907.72						
2	2	2			4	40	48	\$8,208.98						
3	2	2				60	64	\$10,703.38						
<b>Estimated Total Man-hours</b>							<b>12</b>	<b>12</b>	<b>0</b>	<b>60</b>	<b>20</b>	<b>104</b>	<b>208</b>	
<b>Summary Costs</b>							<b>\$4,028.28</b>	<b>\$3,798.00</b>	<b>\$0.00</b>	<b>\$11,509.20</b>	<b>\$3,193.00</b>	<b>\$16,291.60</b>		
<b>SPECIAL SERVICES - Subconsultant</b>														
Topographical/Land Survey													\$60,900.00	use \$19,900.00
Geotechnical Investigation													\$94,200.00	use \$8,200.00
Electrical Design													\$217,580.00	use \$10,700.00
Utility Investigation													\$13,000.00	