

SUPPLEMENTAL SERVICES AGREEMENT NO. 5

**ARMSTRONG CONSULTANTS, INC.
(AIRPORT ENGINEERING CONSULTANT)**

THIS SUPPLEMENTAL SERVICES AGREEMENT NO. 5, hereinafter referred to as Supplemental Agreement, is made and entered into this _____ day of _____, 2024, by and between the COUNTY OF LAKE, hereinafter referred to as COUNTY, and ARMSTRONG CONSULTANTS, INC, hereinafter referred to as ENGINEER:

W I T N E S S E T H:

WHEREAS, the COUNTY has entered into a General Services Agreement dated July 26, 2022, with ENGINEER to perform engineering services, including planning studies, topographic surveys, soil tests and pavement evaluation studies, preparation of applications for State and Federal Aid, environmental studies, preliminary engineering studies, designs and cost estimates, engineering design including complete construction plans and specifications, and all engineering consultation required by COUNTY; and,

WHEREAS, the COUNTY AND ENGINEER now desire to also enter into this Supplemental Agreement with the scope of services described herein for project development for Lampson Field Airport,

NOW, THEREFORE, IN CONSIDERATION OF the covenants and agreements herein set forth, it is hereby agreed:

1. The General Services Agreement remains in full force and effect, and in the performance of this Supplemental Agreement ENGINEER is held to all provisions and the terms of the General Services Agreement.

2. **Projects**

The project covered by this Supplemental Agreement shall include the following:

- Design engineering services related to the Lampson Field East Apron Pavement Rehabilitation Project.

3. **Scope of Work**

The scope of work covered by this Agreement is described in the Task Order A prepared by ARMSTRONG CONSULTANTS, INC., which is dated June 30, 2023 and included as Attachment "A".

4. **Compensation**

- A. As full compensation for all work or services to be provided by ENGINEER hereunder, County shall make payments to ENGINEER based on monthly invoices for all services performed under this Agreement. Invoices shall reference the project title and include a detailed breakdown of work items completed to date and the cost of work remaining. Payment will be a lump sum based on the percentage of work complete per task. Invoices are due and payable upon receipt. The total fee for the project will not exceed \$158,947.00 without prior approval of the County.

Upon satisfactory completion of services summarized in Attachment "A", the final payment of any balance will be due upon receipt of the final invoice. The final invoice shall be submitted within 60-calendar days after completion of the ENGINEER'S work.

- B. **Interest:** Interest at the rate of 1-1/2% per month, or that permitted by law if lesser, will be charged on all past-due amounts starting thirty (30) days after receipt of invoice and required documentation. Payments will first be credited to interest and then to principal.

In the event of a disputed or contested billing, only that portion so contested will be withheld from payment, and the undisputed portion will be paid. COUNTY will exercise reasonableness in contesting any bill or portion thereof. No interest will accrue on any contested portion of the billing until mutually resolved.

If COUNTY fails to make payment in full to ENGINEER for services within sixty (60) days of

the date due for any uncontested billing, ENGINEER may, after giving seven (7) days written notice to COUNTY, suspend services under this Agreement until paid in full, including interest. In the event of suspension of services, ENGINEER will have no liability to COUNTY for delays or damages caused COUNTY because of such suspension of services.

5. **Duration of Contract**

This Supplemental Services Agreement #5 shall have an effective date of June 30, 2023. ENGINEER shall continue work as assigned and this AGREEMENT shall remain in full force for a period of two (2) years from the effective date or until terminated by either party .

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT the day and year first written above.

County of Lake, a political
subdivision of the State of California

ARMSTRONG CONSULTANTS, INC.

By _____
Chair, Board of Supervisors
(COUNTY)

(ENGINEER)

ATTEST: SUSAN PARKER
CLERK TO THE BOARD

APPROVED AS TO FORM:
LLOYD GUINTIVANO
COUNTY COUNSEL

By _____



**TASK ORDER A
SUPPLEMENTAL SERVICES AGREEMENT TO
PROFESSIONAL SERVICES AGREEMENT
BETWEEN SPONSOR AND ENGINEER,
DATED JUNE 30, 2023**

FURTHER DESCRIPTION OF SERVICES OF ENGINEER

1. This Attachment is made a part of and incorporated by reference into the Professional Services Agreement made on July 26, 2022, between **COUNTY OF LAKE, CALIFORNIA (Sponsor)** and **ARMSTRONG CONSULTANTS, INC., (Engineer)** providing for professional engineering services. The Services of Engineer as described in Section 1 of the Agreement are amended or supplemented as indicated below and the time periods for the performance of certain services are stipulated as indicated below.

2. **LOCATION** – Lampson Field, Lakeport, California

3. **WORK PROGRAM** – Attached

Element 1 – East Apron Pavement Rehabilitation (Design)

4. **FEES** - The fees will be as noted below. (All lump sums)

Element 1 – Project Development	\$3,910.00
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Element 1 – Design

Preliminary Design	\$52,580.00
Final Design	\$42,760.00

Element 1 – Project Closeout	\$1,610.00
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Element 1 – Special Services

Categorical Exclusion Form	\$2,926.00
DBE Program Assistance	\$7,184.00
Topographical Design Survey	\$17,977.00
Geotechnical Investigation	\$30,000.00

Engineering Total	\$158,947.00
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5. **ATTACHMENTS** - Required Contract Provisions for A/E Contracts Under Airport Improvement Program

SPONSOR:
COUNTY OF LAKE

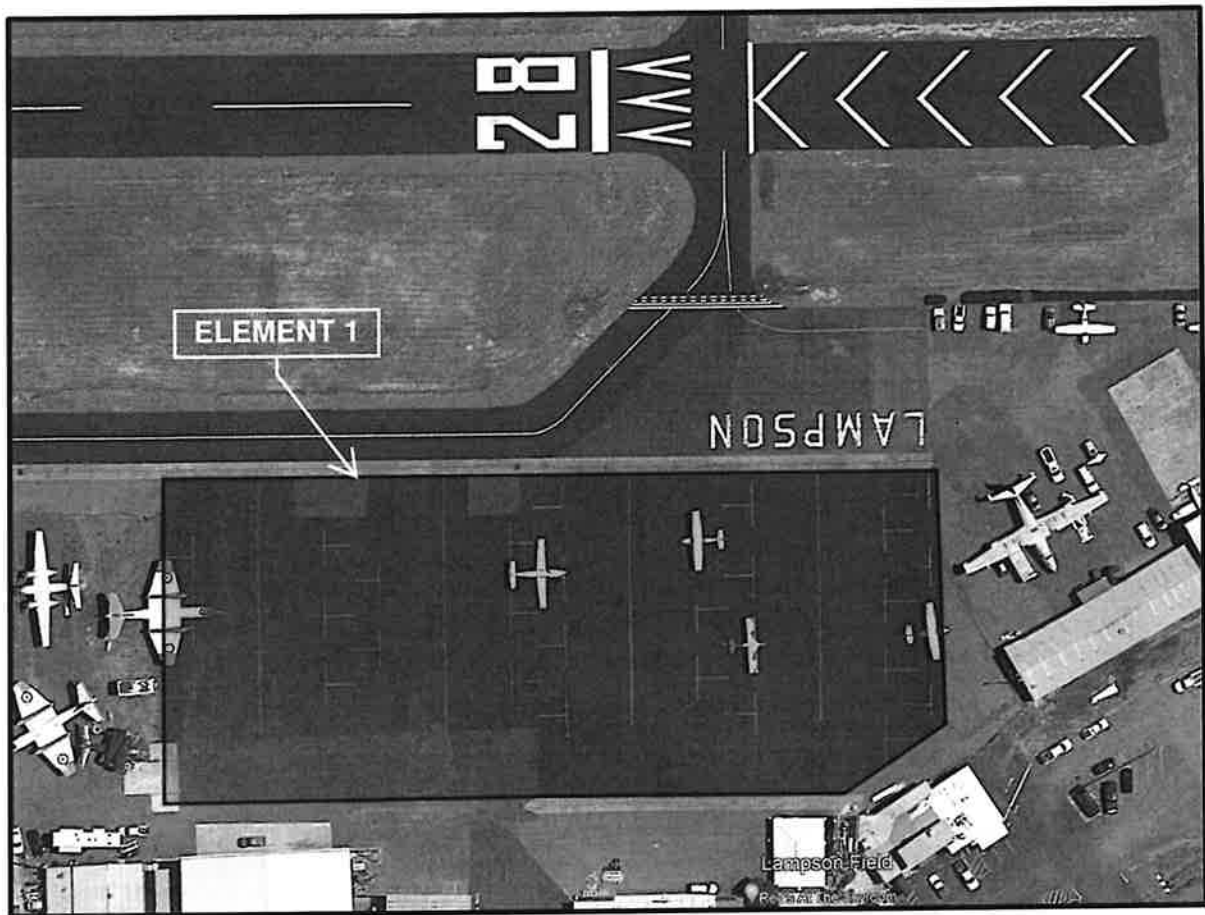
ENGINEER:
ARMSTRONG CONSULTANTS, INC.

Bruno Sabatier, Chair
Board of Supervisors

Christopher S. Nocks, Western Division Lead

ELEMENT #1 EAST APRON PAVEMENT REHABILITATION [DESIGN ONLY]

- Estimated Construction Cost (Element 1) is: \$1,125,000



PROJECT SKETCH

I. PROJECT DEVELOPMENT

The project development phase is intended to complete the necessary preliminary actions required to initiate the project in accordance with established Federal, State and Local policies and procedures.

Activities include:

1. Conduct a pre-design meeting/scoping conference with the Sponsor and FAA to establish parameters for the project definition and work areas, budget, schedule, and needs for topographic survey and geotechnical investigations.
2. Develop preliminary cost estimates for the proposed work.
3. Develop a draft Scope of Work narrative for review and approval. The Sponsor may be required to have an independent fee estimate (IFE) performed to validate the proposed engineering fees. The Engineer will assist the Sponsor in getting reimbursed for the cost of this IFE as part of the grant by preparing a request for reimbursement. Upon receiving approval of the scope of work narrative, engineering fees will be calculated and provided with the final Scope of Work. The Engineer will assist the Sponsor with the submittal of a Record of Negotiations to document the fee negotiation performed for the project.
4. Prepare final Scope of Work and Contract.
5. Prepare Preliminary FAA Grant Application. Preparation of the application will include the following:
 - a. Prepare the following forms: SF424 and FAA Form 5100-100.
 - b. Prepare Project Narrative and Sketch.
 - c. Prepare Preliminary Estimate.
 - d. Prepare the Sponsor's Certifications.
 - e. Attach the current Grant Assurances.

The Engineer will submit the application to the Sponsor for approval and signatures.

II. PRELIMINARY DESIGN

The preliminary design phase is intended to identify and evaluate cost effective and practical solutions for the work items identified. The designer will complete its evaluation of alternatives through contacts with local authorities, field investigations, and a practical design approach. The design will take advantage of local knowledge and experience and utilize expertise from recent construction projects to design a cost-effective project. Cost efficiencies will be realized in a lower initial cost and in lower long-term maintenance costs.

Activities include:

1. Prepare requirements for the design topographical survey. Work includes establishing the limits of the work area and developing survey criteria in accordance with FAA design guidance. A surveyor subconsultant will be employed to conduct the topographical survey in accordance with the requirements developed. Coordinate the subconsultant's work schedule with County staff.
2. Prepare requirements for the design geotechnical investigation. Work includes developing a subsurface boring layout and soil testing regimen in accordance with FAA AC 150/5320-6G. A geotechnical engineering subconsultant will be employed to conduct the geotechnical investigation and provide a pavement section recommendation in accordance with the requirements developed. An Engineer's representative will be on-site with the subconsultant for one (1) day during the investigation. The Engineer will coordinate the subconsultant's work schedule with airport staff. Based on preliminary information available for this project, the following is an estimate of the effort required to complete the investigation and associated testing:
 - a. Subsurface Investigation: Obtain 5 subsurface borings, which will be drilled to a depth of 10 feet. Pavement cores will be used to establish existing structural information, photographed and preserved for reference during reconstruction.
 - b. Laboratory Soil Testing: Perform the following tests on the samples collected from the subsurface borings:

Test	Test Standard	No. of Tests
Soil Gradation (Dry)	ASTM C117/C136	15 each
Soil Gradation (Hydrometer)	ASTM D 422	3 each
Atterburg Limits	ASTM D 4318	3 each
Moisture-Density Relationship	ASTM D 698/D 1557	3 each
In-Place Density/Moisture	AASHTO T204/AASHTO T265	10 each
CBR Testing	ASTM D 1883	3 each
Consolidation Testing	ASTM D 2435	6 each
Soluble Sulfate Content	ASTM C 1580	3 each

3. Prepare an overall Construction Safety and Phasing Plan (CSPP) in order to maximize project constructability and operational safety. A draft CSPP will be submitted to the FAA for review and comment when the design is approximately 25-35% complete. This final CSPP will be submitted to the FAA when plans are 95% completed. The final CSPP will be coordinated, by the FAA Program Manager, with other FAA Lines of Business (LOBs). Comments received by the FAA LOBs will be incorporated into the CSPP prior to submitting the bid advertisement for the project.

4. Analyze and process topographical survey data. Input raw survey data into computer aided drafting program, develop TIN surface model of existing ground contours, pavement edges, electrical system components, utilities, and any other miscellaneous items. Generate 3D contour model and prepare and process data for spot elevations, grading, drainage and pavement cross sections.
5. Analyze and process geotechnical investigation data. Develop design conclusions based on the data presented and establish input values for pavement design software.
6. Prepare pavement section design.
7. Review and evaluate project layout.
 - a. Determine aircraft usage through coordination with Sponsor and FAA
 - b. Verify existing ALP dimensions and data.
8. Evaluate local conditions:
 - a. Inventory local material suppliers, sources and capabilities.
 - b. Evaluate drainage conditions/requirements.
 - c. Review existing Pavement Strength Survey data.
 - d. Review available record drawings of the project site.
 - e. Conduct one (1) design site visit by the Senior Project Manager and Project Engineer for familiarity with the site.
9. Prepare preliminary construction plans. Construction plans will be prepared depicting all of the work involved for Element 1. The following list of drawings will be used as a guideline.

DESCRIPTION		ELEMENT 1
a	Cover Sheet	1 Sheet
b	General Notes, Legend and Survey Control	1 Sheet
c	Removals Plan	1 Sheet
d	Layout and Grading Plan	2 Sheets
e	Typical Sections and Details	2 Sheets
f	Marking Layout and Details	2 Sheets
g	Construction Safety and Phasing Plan	2 Sheets
TOTAL SHEET COUNT		11 Sheets

Drawings may be added or deleted during the design phase if required.

10. Prepare preliminary contract documents. The Engineer will prepare the contract documents including invitation for bids, instructions to bidders, proposal, equal employment opportunity clauses and applicable wage rates, construction contract agreement, performance bond, payment bond, general and special provisions. Preparation will include establishing the location for the bid opening and description of the work schedule. Contract documents will be prepared early during the design phase and submitted to the FAA and Sponsor for review. Sponsor is ultimately responsible for reviewing and ensuring construction contract terms comply with local law and requirements.
11. Prepare preliminary technical specifications. The Engineer will assemble the technical specifications necessary for the intended work. Standard FAA specifications will be utilized where possible.

Additional specifications will be prepared to address work items or material that is not covered by the FAA specifications.

The standard specifications to be utilized for Element 1 may include the following items:

Item C-100	Contractor Quality Control Program
Item C-105	Mobilization
Item C-110	PWL Calculation
Item P-101	Preparation/Removal of Existing Pavements
Item P-208	Crushed Aggregate Base Course
Item P-401	Plant Mix Bituminous Pavement
Item P-610	Structural Portland Cement Concrete for Miscellaneous Structures
Item P-620	Runway and Taxiway Marking

12. Prepare preliminary special provisions to address conditions that require additional clarification and/or definition beyond what is described in the standard general provisions or technical specifications. Items may include:
 - a. Project Location Information
 - b. Insurance Requirements
 - c. Contract Period and Work Schedule and Phasing
 - d. Pre-Construction Conference
 - e. Utilities
 - f. Permits, Taxes and Compliance with Laws
 - g. Field Office Requirements
 - h. Haul Road
 - i. Testing and Staking
 - j. Airport Security, Closure of Air Operations Areas
 - k. Accident Prevention
 - l. Warranty
 - m. Construction Management Plan
13. Prepare and submit FAA design Modifications to Standards, if necessary.
14. Conduct preliminary review of the construction plans, technical specifications, contract documents and special provisions by submitting copies of the preliminary documents to the FAA and Sponsor and solicit preliminary design review comments.

III. FINAL DESIGN

In the final design phase, the designer will provide well-defined construction requirements, with selected bid alternatives as appropriate to solicit competitive construction bids. Construction schedules will be coordinated around good weather conditions and as little as practical interference with airport operations.

Activities include:

Final Design

1. Incorporate preliminary design comments and respond as necessary to requests for additional information.
2. Calculate Estimated Quantities. The Engineer will calculate all necessary quantities for the various work items in each Element.
3. Prepare Estimate of Probable Construction Cost for each Element. Using the final quantities calculated following the completion of the plans and specifications, the Engineer will prepare the construction cost estimate. The estimate will be based on information obtained from previous projects, contractors, material suppliers and other databases available.
4. Prepare Engineer's Design Report. During the preparation of the construction plans and specifications, an engineer design report will be prepared. The report will include the summary of the project, pavement, drainage design, schedule and cost estimate for the completion of the project. The design report will follow the current FAA Airports guidance where applicable. The design report will be submitted for Sponsor and FAA review. Review comments will be incorporated in the final revised report.
5. Develop work schedules for construction. This task involves dividing the construction work into schedules to allow for maximum contract award flexibility in cases of limited available funds, and allow the project to be executed in a manner that minimizes the disruption of the airport aircraft operations.
6. Prepare final CSPP. CSPP will be uploaded to the OE/AAA website as part of the subsequent construction period services scope of work, closer to when physical construction is anticipated to take place.
7. Prepare 95% design construction plans, technical specifications, contract documents and special provisions.
8. Submit 95% design review package to the FAA and Sponsor and solicit design review comments.
9. Incorporate 95% design review comments and respond as necessary to requests for additional information.
10. Conduct final internal review of all design documents and incorporate any necessary changes. Final review will include one (1) site visit by the Senior Project Manager and Project Engineer to field verify project plans and specifications and to attend a user meeting to discuss the project.

11. Prepare and submit final plans and specifications. Copies will be submitted to the FAA, State, and Sponsor. A final set of plans, specifications and contract documents will be prepared which incorporates revisions, modifications and corrections determined during the FAA, State, and Sponsor's review. After final plan acceptance, plan sets will be provided to the FAA, State, and Sponsor.
12. Prepare and/or assist with necessary forms:
 - a. Sponsor Quarterly Report
 - b. Strategic Event Coordination Form
 - c. Standard Form 271
 - d. Standard Form 425

IV. PROJECT CLOSEOUT

During the project closeout phase of the project, the Engineer will assist the Sponsor with compiling all reports, documents, and other items necessary to successfully close out the associated grant and provide an accurate historical record for the project.

Activities include:

1. Assist the Sponsor with completing all necessary grant closeout certifications and forms, including final SF425, SF271, and draft grant closeout request letter.

V. SPECIAL SERVICES

Special Services are those services that aren't considered "basic" services such as those listed above. When a Special Service is needed that we do not provide in-house, we will contract with other firms that provide those services. The following are activities that are included in this project that fall under Special Service tasks.

Activities include:

1. Prepare and submit a Categorical Exclusion (CatEx) package.
2. Assist the Sponsor with the Disadvantage Business Enterprise (DBE) Program.
 - a. Coordinate with Sponsor to assign the DBE Liaison and Reconsideration officials.
 - b. Assist the Sponsor's DBE Liaison with FAA Connect website access.
 - c. Update the Sponsor's DBE Plan and posting requirements.
 - d. Create Sponsor's overall Goal Calculation for triennial DBE goals. This includes holding a public consultation meeting with stakeholders. Researching the applicable market area broken into zip codes. Researching the current State DOT market area certified DBE listings of potential contractors' availability compared to the availability of all market area Contractors using US Census Data. Use the preliminary cost estimate, developed during the Project Development phase, to determine potential DBE work items (breaking down % of work items into NAICS Codes). Determine whether the goal should be race/gender neutral (RN), race/gender conscious (RC) or what % of each by consideration of available disparity studies conducted in the State and past project history to determine if obtained goal calculations should be adjusted or if need to establish specific steps and milestones to correct any identified issues to keep the Airport in compliance.
 - e. Finalize the DBE plan and goals and assist the Sponsor in submitting these items to the FAA Civil Rights Office.
 - f. Assist the Sponsor with fiscal year DBE utilization reporting and in submitting these items to the FAA Civil Rights Website.
 - g. Assist Sponsor in ensuring record compliance found in USDOT 49 CFR Part 26 requirements are met.
3. Land surveys, design surveys, and topographic maps.
4. Geotechnical investigations, including core sampling, laboratory tests, related analyses, pavement design and reports.

Detailed Engineering Fee Breakout

AIRPORT: Lampson Field
 LOCATION: Lakeport, California
 AIP GRANT NO.: 3-06-0117-xx-2023

ACI PROJECT NUMBER: 236989
 DATE: 4/25/23
 REV. NO:

PROJECT DESCRIPTION: East Apron Pavement Rehabilitation (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	\$3,910.00		
II PRELIMINARY DESIGN	\$52,580.00		
III FINAL DESIGN	\$42,760.00		
VI PROJECT CLOSEOUT	\$1,610.00		
VII SPECIAL SERVICES			
Categorical Exclusion Form	\$2,926.00		
DBE Program Assistance	\$7,184.00		
Topographical/Land Survey	\$17,977.00		
Geotechnical Investigation	\$30,000.00		
TOTAL ENGINEERING SERVICES	\$158,947.00	\$0.00	\$0.00

Detailed Engineering Fee Breakout

AIRPORT: Lampson Field
 LOCATION: Lakeport, California
 AIP GRANT NO.: 3-06-0117-xxx-2023

ACI PROJECT NUMBER: 236989
 DATE: 4/25/23
 REV. NO:

I. PROJECT DEVELOPMENT

Item No.	Principal	Senior PM	Project Engineer	Designer (CAD)	Project Planner	Project Coordinator	Total	Cost
	\$242.00	\$193.00	\$147.00	\$121.00	\$143.00	\$99.00	Hours	Summary
1 Conduct PreDesign Meeting	2	2					4	\$870.00
2 Develop Prelim Cost Estimates		1	2	2			5	\$729.00
3 Develop Draft SOW and Assist with IFE	2						2	\$484.00
4 Prepare Final SOW	2						2	\$484.00
5 Prepare Prelim FAA Grant Application	1	2		1		6	10	\$1,343.00
Estimated Total Man-hours	7	5	2	3	0	6	23	
Summary Costs	\$1,694.00	\$965.00	\$294.00	\$363.00	\$0.00	\$594.00		\$3,910.00
Reimbursables								
Meals and Incidental Expenses Per Diem						0 Days	\$59.00	\$0.00
Lodging Per Diem						0 Days	\$98.00	\$0.00
Rental Car						0 Days	\$110.00	\$0.00
Mileage						0 Miles	\$0.625	\$0.00
Airfare						0 Trips	\$750.00	\$0.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Project Development Phase:								\$3,910.00
								use \$3,910.00

II. PRELIMINARY DESIGN

Item No.	Principal	Senior PM	Project Engineer	Project Planner	Designer (CAD)	Project Coordinator	Total	Cost
	\$242.00	\$193.00	\$147.00	\$143.00	\$121.00	\$99.00	Hours	Summary
1 Prepare Requirements for Topo Survey		1			4		5	\$677.00
2 Prepare Requirements for Geotech Investigation		1	4		2		7	\$1,023.00
3 Prepare Draft CSPP	1	4	8		4	2	19	\$2,872.00
4 Analyze and Process Survey Data	1	2	4		30		37	\$4,846.00
5 Analyze and Process Geotech Data	1	2	8				11	\$1,804.00
6 Develop Pavement Section Design	1	4	12				17	\$2,778.00
7 Review and Evaluate Project Layout	1	2	6		3		12	\$1,873.00
8 Evaluate Local Conditions	2	12	16				30	\$5,152.00
9 Prepare Prelim Construction Plans								
a Cover Sheet			1		2		3	\$389.00
b General Notes, Legend and Survey Control			1		2		3	\$389.00
c Removals Plan			2		8		10	\$1,262.00
d Layout and Grading Plan	2	8	24		60		94	\$12,816.00
e Typical Sections and Details			1		16		17	\$2,083.00
f Marking Layout and Details			2		16		18	\$2,230.00
g Construction Safety and Phasing Plan	1	1	2		6		10	\$1,455.00
10 Prepare Prelim Contract Docs		1	2			4	7	\$883.00
11 Prepare Prelim Tech Specs		2	8			12	22	\$2,750.00
12 Prepare Prelim Special Provisions		1	1			2	4	\$538.00
13 Submit Design MOS's	2	2	2		2	2	10	\$1,604.00
14 Conduct Prelim Review of Design Set	4	4	4				12	\$2,328.00
Estimated Total Man-hours	16	47	108	0	155	22	348	
Summary Costs	\$3,872.00	\$9,071.00	\$15,876.00	\$0.00	\$18,755.00	\$2,178.00		\$49,752.00
Reimbursables								
Meals and Incidental Expenses Per Diem		1	2			3 Days	\$59.00	\$177.00
Lodging Per Diem		1	2			3 Days	\$98.00	\$294.00
Rental Car		1				1 Days	\$110.00	\$110.00
Mileage						0 Miles	\$0.625	\$0.00
Airfare		1	2			3 Trips	\$750.00	\$2,250.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Prelim Design Phase:								\$52,583.00
								use \$52,580.00

Detailed Engineering Fee Breakout

AIRPORT: Lompson Field
 LOCATION: Lakeport, California
 AIP GRANT NO.: 3-06-0117-xxx-2023

ACI PROJECT NUMBER: 236989
 DATE: 4/25/23
 REV. NO:

III. FINAL DESIGN

Item No.	Principal	Senior PM	Project Engineer	Project Planner	Designer (CAD)	Project Coordinator	Total Hours	Cost Summary
	\$242.00	\$193.00	\$147.00	\$143.00	\$121.00	\$99.00		
1 Incorporate preim design comments	2	4	6		6	6	24	\$3,458.00
2 Calculate Estimated Quantities		1	4		8		13	\$1,749.00
3 Prepare Estimate of Probable Const Cost		2	4				6	\$974.00
4 Prepare Engineer's Design Report	1	4	12			2	19	\$2,976.00
5 Develop Bid Schedules		1	4		4	2	11	\$1,463.00
6 Prepare Final CSPP	1	2	8		4	1	16	\$2,387.00
7 Prepare 95% Plan Set	2	8	24		60		94	\$12,816.00
7 Prepare 95% Specifications	1	2	6			8	17	\$2,302.00
8 Submit 95% Design/Bid Documents for Review		1	2			1	4	\$586.00
9 Incorporate 95% Design Review Comments	1	2	4		4	4	15	\$2,096.00
10 Conduct Final Internal Review of Design Documents	2	2	2				6	\$1,164.00
11 Prepare and Submit Final Design/Bid Documents	2	4	6		6	4	22	\$3,260.00
12 Prepare and/or Assist with necessary forms	1	10	18			8	37	\$5,610.00
Estimated Total Man-hours	13	43	100	0	92	36	284	
Summary Costs	\$3,146.00	\$8,299.00	\$14,700.00	\$0.00	\$11,132.00	\$3,564.00		\$40,841.00
Reimbursables								
Meals and Incidental Expenses Per Diem		1	1			2 Days	\$59.00	\$118.00
Lodging Per Diem		1	1			2 Days	\$98.00	\$196.00
Rental Car		1				1 Days	\$110.00	\$110.00
Mileage						0 Miles	\$0.625	\$0.00
Airfare		1	1			2 Trips	\$750.00	\$1,500.00
Misc Expenses						\$ - Actual Cost		\$0.00
Total Final Design Phase:								\$42,765.00
								use \$42,760.00

VI. PROJECT CLOSEOUT

Item No.	Principal	Senior PM	Project Engineer	Field Eng Supervisor	Designer (CAD)	Project Coordinator	Total Hours	Cost Summary
	\$242.00	\$193.00	\$147.00	\$147.00	\$121.00	\$99.00		
1 Assist Sponsor with Grant Closeout	1	2	4			4	11	\$1,612.00
Estimated Total Man-hours	1	2	4	0	0	4	11	
Summary Costs	\$242.00	\$386.00	\$588.00	\$0.00	\$0.00	\$396.00		\$1,612.00
Reimbursables								
Meals and Incidental Expenses Per Diem						0 Days	\$59.00	\$0.00
Lodging Per Diem						0 Days	\$98.00	\$0.00
Rental Car						0 Days	\$110.00	\$0.00
Mileage						0 Miles	\$0.625	\$0.00
Airfare						0 Trips	\$750.00	\$0.00
Misc Expenses						\$ - Actual Cost		\$0.00
Total Project Closeout:								\$1,612.00
								use \$1,610.00

VII. SPECIAL SERVICES

Item No.	Principal	Senior PM	Project Engineer	Project Planner	Designer (CAD)	Project Coordinator	Total Hours	Cost Summary
	\$242.00	\$193.00	\$147.00	\$143.00	\$121.00	\$99.00		
1 Prepare Categorical Exclusion Form	2			12	6		20	\$2,926.00
2 Assist Sponsor with DBE Program	2	4	8			48	62	\$7,184.00
Estimated Total Man-hours	4	4	8	12	6	48		
Summary Costs	\$968.00	\$772.00	\$1,176.00	\$1,716.00	\$726.00	\$4,752.00		\$10,110.00
SPECIAL SERVICES								
Topographical/Land Survey								\$17,977.00
Geotechnical Investigation								\$30,000.00
Total Special Services:								\$58,087.00

