

March 30, 2026

Mr. Justin Hopman, C.M., ACE
Director of Aviation
County of Humboldt
3561 Boeing Ave.
McKinleyville, CA 95519
(707) 839-5401
jhopman@co.humboldt.ca.us

Re: Independent Fee Estimate (IFE) for Rohnerville Airport | Rehab RW 11/29 (Const Services)
Purchase Order EE9514

Dear Mr. Hopman,

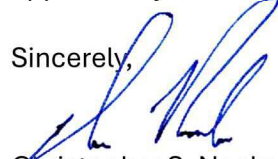
Please find enclosed the results of the IFE that we completed for the Rehabilitate Runway 11/29 (Construction Period Services) project at Rohnerville Airport. The estimated fees, summarized below, are based on the provided consultant scope of work dated March 20, 2026.

Below is a summary of the estimated fees:

Project Development & Administration	\$16,850.00
Bidding Services	\$18,320.00
Construction Administration Services	\$71,790.00
Construction Observation Services	\$135,350.00
Project Closeout	\$11,000.00
Special Services	
Acceptance Testing	\$150,000.00
TOTAL	\$403,310.00

This IFE was conducted in accordance with FAA Advisory Circular 150/5100-14E. A detailed fee analysis is included in the enclosed fee calculation spreadsheet. Please contact me at 970-773-3549 or email me at cnocks@evectio.com if you have any questions or concerns regarding this IFE. If this IFE is acceptable, please proceed with processing the enclosed invoice for payment. We appreciate your business and look forward to working with you again in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read 'C. Nocks', is written over the word 'Sincerely,'.

Christopher S. Nocks
Partner
Evectio Consulting Partners, LLC.

Enc:

- 1) Fee Calculation Spreadsheet
- 2) Invoice No. 1119

Detailed Engineering Fee Breakout

AIRPORT: Rohnerville Airport (FO T)
 LOCATION: Fortuna, CA
 AIP GRANT NO.: 3-06-0083-0xx-2026
 PROJECT DESCRIPTION: Rehabilitate Runway 11/29 (Construction Services)

PROJECT NUMBER 22793
 DATE: 3/30/26
 REV. NO.:

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 ELEMENT I - PROJECT DEVELOPMENT & ADMINISTRATION		\$16,850.00	
II ELEMENT I - PRELIMINARY DESIGN (NOT USED)		\$0.00	
III ELEMENT I - FINAL DESIGN (NOT USED)		\$0.00	
IV ELEMENT I - BIDDING SERVICES		\$18,320.00	
V ELEMENT I - CONSTRUCTION PERIOD SERVICES			
A. CONSTRUCTION ADMINISTRATION SERVICES		\$71,790.00	
B. CONSTRUCTION OBSERVATION SERVICES		\$135,350.00	
VI ELEMENT I - PROJECT CLOSURE		\$11,000.00	
VII ELEMENT I - SPECIAL SERVICES			
Acceptance Testing ESTIMATED		\$150,000.00	
TOTAL ENGINEERING SERVICES (ELEMENT 1)	\$0.00	\$403,310.00	\$0.00

I ELEMENT I - PROJECT DEVELOPMENT & ADMINISTRATION

Item No.	Principal	Project Manager	Senior Design Engineer	Design Engineer	Design Technician	Administrative Assistant	Total	Cost
PROJECT DEVELOPMENT PHASE	\$353.00	\$331.13	\$328.01	\$221.79	\$168.69	\$165.56	Hours	Summary
1 Develop Prelim Cost Estimates and Concept Layouts		1		2	2		5	\$1,112.09
2 Develop Detailed SOW	1	4					5	\$1,677.51
3 Develop Detailed Fee Estimate	1	2					3	\$1,015.25
4 Coordinate Subconsultant Fee Proposals		1					1	\$331.13
5 Prepare Documents and Assist with IFE		1					1	\$331.13
6 Conduct Fee Negotiations and Prepare RON		1					1	\$331.13
7 Prepare Final Agreement and Coordinate Final Approval and Signatures	1	1					2	\$684.13
8 Prepare Prelim FAA Grant Application		1		1		4	6	\$1,215.18
9 Prepare Monthly Invoicing and FAA Grant Drawdown Packets		2				2	4	\$993.39
10 Project Management and Administration								
a. Internal Progress Meetings		4	4	4	4	4	20	\$4,860.73
b. Conduct Coordination Meetings		4					4	\$1,324.52
c. Project Correspondence		2					2	\$662.26
d. Perform Business Aspects of Project		2				2	4	\$993.39
e. Perform Grant Admin		2				2	4	\$993.39
11 Prepare and Coordinate Subconsultant Agreements		1					1	\$331.13
Estimated Total Man-hours	3	29	4	7	6	14	63	
Summary Costs	\$1,058.99	\$9,602.75	\$1,312.02	\$1,552.56	\$1,012.13	\$2,317.90		\$16,856.35
Reimbursables								
Meals and Incidentals Expenses Per Diem						0 Days	\$68.00	\$0.00
Lodging Per Diem						0 Days	\$110.00	\$0.00
Rental Car						0 Days	\$150.00	\$0.00
Mileage						0 Miles	\$0.725	\$0.00
Airfare						0 Trips	\$1,250.00	\$0.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Project Development Phase:								\$16,856.35
								use \$16,850.00

II ELEMENT I - PRELIMINARY DESIGN (NOT USED)

Total Prelim Design Phase:								\$0.00
								use \$0.00

III ELEMENT I - FINAL DESIGN (NOT USED)

Total Final Design Phase:								\$0.00
								use \$0.00

IV ELEMENT I - BIDDING SERVICES

Item No.	Principal	Project Manager	Senior Design Engineer	Design Engineer	Design Technician	Administrative Assistant	Total	Cost
BIDDING PHASE	\$353.00	\$331.13	\$328.01	\$221.79	\$168.69	\$165.56	Hours	Summary
1 Assist Sponsor with Advertising Invitation for Bids		1				1	2	\$496.69
2 Provide technical assistance during bidding		4	6	6	2	1	19	\$5,126.25
3 Attend and assist with prebid meeting		12		12		1	25	\$6,800.64
4 Provide technical assistance during bid opening		2				1	3	\$827.82
5 Prepare abstract of bids		1	1	2		2	6	\$1,433.85
6 Update FAA grant application		1				2	3	\$662.26
7 Assist in Award Notification		1				1	2	\$496.69
Estimated Total Man-hours	0	22	7	20	2	9	60	
Summary Costs	\$0.00	\$7,284.84	\$2,296.04	\$4,435.88	\$337.38	\$1,490.08		\$15,844.22
Reimbursables								
Meals and Incidentals Expenses Per Diem		2		2		4 Days	\$68.00	\$272.00
Lodging Per Diem		1		1		2 Days	\$110.00	\$220.00
Rental Car		2				2 Days	\$150.00	\$300.00
Mileage		600				600 Miles	\$0.725	\$435.00
Airfare				1		1 Trips	\$1,250.00	\$1,250.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Bidding Phase:								\$18,321.22
								use \$18,320.00

Detailed Engineering Fee Breakout

AIRPORT: Rohnerville Airport (FOI)
LOCATION: Fortuna, CA
AIP GRANT NO.: 3-06-0083-0xx-2026

PROJECT NUMBER 22793
DATE: 3/30/26
REV. NO.:

V ELEMENT I - CONSTRUCTION PERIOD SERVICES

A. CONSTRUCTION ADMINISTRATION SERVICES

Item No.	Principal	Project Manager	Senior Design Engineer	Design Engineer	Construction Observer (CA)	Administrative Assistant	Total	Cost
CONSTRUCTION ADMINISTRATION	\$353.00	\$331.13	\$328.01	\$221.79	\$231.17	\$165.56	Hours	Summary
1 Coordinate Const Contract Documents		2				2	4	\$993.39
2 Provide Sponsor and FAA with Contract Documents		1				1	2	\$496.69
3 Review and Accept Contractor SPCD					1		1	\$231.17
4 Coordinate Construction Management Plan		1			4	1	6	\$1,421.36
5 Conduct Pre-Construction Conference (1 trip)		12			12		24	\$6,747.54
6 Identify local survey control points		1		2			3	\$774.72
7 Provide Technical Assistance During Construction	4	32	24	64			124	\$34,075.06
8 Construction Site Visits (4 trip)		48					48	\$15,894.20
9 Conduct Pre-Paving Conference (Virtual)		2			2		4	\$1,124.59
10 Prepare Change Orders and Supplemental Agreements		2	2	2		2	8	\$2,092.99
11 Review and Certify Monthly Contractor Pay Requests		4				4	8	\$1,986.77
Estimated Total Man-hours	4	105	26	68	19	10	232	
Summary Costs	\$1,411.98	\$34,768.56	\$8,528.14	\$15,082.00	\$4,392.15	\$1,655.65		\$65,838.47
Reimbursables								
Meals and Incidental Expenses Per Diem		10			2	12 Days	\$68.00	\$816.00
Lodging Per Diem		5			1	6 Days	\$110.00	\$660.00
Rental Car		10			2	12 Days	\$150.00	\$1,800.00
Mileage		3000			700	3700 Miles	\$0.725	\$2,682.50
Airfare						0 Trips	\$1,250.00	\$0.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Construction Admin Phase:								\$71,796.97
								use \$71,790.00

B. CONSTRUCTION OBSERVATION SERVICES

Item No.	Principal	Project Manager	Senior Design Engineer	Design Engineer	Senior Construction Observer	Construction Observer (CA)	Administrative Assistant	Total	Cost
CONSTRUCTION OBSERVATION	\$353.00	\$331.13	\$328.01	\$221.79	\$262.40	\$231.17	\$165.56	Hours	Summary
1 Provide Review of Submittals		4	4	16	4			32	\$8,159.52
2 Provide Full-time RPR						514		514	\$118,819.14
3 Prepare and Submit Weekly Inspection Reports		4			8			12	\$3,423.75
4 Conduct Final Inspection (1 trip)		12						12	\$3,973.55
Estimated Total Man-hours	0	20	4	16	12	518	0	570	
Summary Costs	\$0.00	\$6,622.58	\$1,312.02	\$3,548.70	\$3,148.85	\$119,743.80	\$0.00		\$134,375.96
Contract Construction Days (calendar)	60								
Reimbursables									
Meals and Incidental Expenses Per Diem		2					2 Days	\$68.00	\$136.00
Lodging Per Diem		1					1 Days	\$110.00	\$110.00
Rental Car		2					2 Days	\$150.00	\$300.00
Mileage		600					600 Miles	\$0.725	\$435.00
Airfare							0 Trips	\$1,250.00	\$0.00
On-site Cell Phone and Internet Costs							0 Months	\$100.00	\$0.00
Misc Expenses							\$ - Actual Cost	\$0.00	\$0.00
Total Construction Observation:									\$135,356.96
									use \$135,350.00

VI ELEMENT I - PROJECT CLOSEOUT

Item No.	Principal	Project Manager	Design Technician	Design Engineer	Construction Observer (CA)	Administrative Assistant	Total	Cost
PROJECT CLOSEOUT	\$353.00	\$331.13	\$168.69	\$221.79	\$231.17	\$165.56	Hours	Summary
1 Prepare Summary of Tests		2		8	4	1	15	\$3,526.84
2 Assist Sponsor with Grant Closeout Docs		1		2		2	5	\$1,105.85
3 Update ALP to reflect As-built Conditions		1	4				5	\$1,005.88
4 Prepare Record Drawings		1	6	2	2		11	\$2,249.18
5 Prepare Final Report	1	2		8		2	13	\$3,120.74
Estimated Total Man-hours	1	7	10	20	6	5	34	
Summary Costs	\$353.00	\$2,317.90	\$1,686.88	\$4,435.88	\$1,386.99	\$827.82		\$11,008.48
Reimbursables								
Meals and Incidental Expenses Per Diem						0 Days	\$68.00	\$0.00
Lodging Per Diem						0 Days	\$110.00	\$0.00
Rental Car						0 Days	\$150.00	\$0.00
Mileage						0 Miles	\$0.725	\$0.00
Airfare						0 Trips	\$1,250.00	\$0.00
Misc Expenses							\$ - Actual Cost	\$0.00
Total Project Closeout:								\$11,008.48
								use \$11,000.00

VII ELEMENT I - SPECIAL SERVICES

Item No.	Principal	Project Manager	Airport Planner	Environmental Scientist	Design Technician	Administrative Assistant	Total	Cost
SPECIAL SERVICES - In House	\$353.00	\$331.13	\$249.91	\$199.93	\$168.69	\$165.56	Hours	Summary
Estimated Total Man-hours	0	0	0	0	0	0	0	
Summary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
SPECIAL SERVICES - Subconsultant								
Acceptance Testing ESTIMATED								\$150,000.00

March 25, 2026

Lochner
Attn: Kerek Kuntz
715 Horizon Drive Suite 225
Grand Junction, CO 81506
Derek.kuntz@hwlochner.com

Subject: Proposal for Owner Quality Assurance Materials Testing Services
Schedule I: Rehabilitate Runway 11/29
HWL No. 22793 / AIP No. 3-06-0083-xxx-2026
Rohnerville Airport (FOT), Humboldt County, Fortuna, California

Project Scope of Services

GeoStrata appreciates the opportunity to submit this proposal for quality assurance materials testing services for the proposed improvements to the Rohnerville Airport (FOT) located in south Fortuna, Humboldt County, California. We understand the project consists of one schedule, up to 60 calendar days for completion, consisting of recycled asphalt aggregate base course from the in-place full depth reclamation (FDR) of the existing pavement section underlying new asphalt placement. We understand some areas may require subgrade repair and incidental concrete may be used and a separate cost for quality assurance testing of these materials is requested. Our scope of work for this project was estimated based on the provided request for proposal dated March 10, 2026, plans and specifications provided, email correspondence, and our experience on similar projects and work in Humboldt County, California. Our scope of work includes field and laboratory materials testing and general construction observations services for full-time and part-time testing as anticipated for the project. Based on our understanding, our requested services will include observation and testing of P-207 FDR and P-401 asphalt and may include P-152 subgrade, P-208 base course, and P-610 incidental concrete. We understand testing of hot mix asphalt (P-401) will be using Gyratory voids determination methods. Quality assurance acceptance on soils will consist of ASTM D6938 using Procedure A, the direct transmission method for nuclear density testing of P-207 material at 95% of ASTM D698 standard Proctor, which will likely require moisture corrections, and possibly of P-152 and P-208 material placed at 100% of ASTM D698 standard Proctor at frequencies requested by the RPR. A reciprocity fee will be required for nuclear density gauge transportation into California for each project. Quality assurance testing on P-401 hot mix asphalt consists of field observations and voids per ASTM D3203 and D6925 Gyratory method and mat and joint density determination per ASTM D3665 and D2726 with core samples being retrieved by the Contractor. Due to anticipated quantities, multiple days of paving may constitute one Lot consisting of a minimum of three sublots of between 400 to 600 tons for P-401. Construction includes a control strip (1 lot of 3 sublots) prior to production paving. We assume two, one and one-half inch lifts for three inches of new asphalt for construction. A calibration cost for gyratory and concrete break equipment will be required once our mobile laboratory is set up on the project. Quality Assurance testing will rely heavily on Contractor phasing, which is not known at this time and our estimate herein is conservative to accommodate potential changes. GeoStrata performed quality assurance testing in 2023 for runway improvements at the Arcata / Redwoods Airport which included understanding California prevailing wage requirements and mobilization costs for work in Humboldt County.

GeoStrata Advantage and Value Added

Testing will be performed from our AASHTO Accreditation Program (AAP) remote office and trailer for anticipated ASTM procedures for the project. Laboratory and field work will be overseen by our Materials Manager, Jacob O'Rear and Aviation Lead Principal, Scott Richards, a professional engineer (Colorado and Utah) and geologist (Utah). If required, GeoStrata engineering staff licensed as a Professional Engineer in the State of California may be consulted. Additional personnel provided for the proposed services will be qualified and properly trained and authorized for work at the airport. Our experience includes airport runways, taxiways, aprons, taxilanes, access roadways and infrastructure which include reclamation, rehabilitation and complete reconstruction methods performed in Colorado, Utah, Wyoming, Nevada, and California which provides us with the expertise to anticipate and solve many problems that may arise. Testing will be performed the day of sampling with results provided as soon as possible for project continuity. Asphalt test results will be provided the following day prior to that day of paving.

Field and Laboratory Procedures

All materials testing will closely follow project specifications for acceptance. Hot Mix Asphalt - HMA (P-401) will be sampled in accordance with ASTM D3665 and D979 procedures and tested in accordance with project FAA standards for quality assurance. Testing is to include percent air voids per ASTM D3203 utilizing sample preparation per ASTM D6925 Gyratory method. We understand testing for stability and flow per ASTM D6927 will not be required. The percent compaction of both the mat and joint density will be tested per ASTM D2726 utilizing cores sampled by the Contractor or the Contractor's QC. All required test results will be evaluated for acceptance per P-401. An initial control strip is included in our costs, additional control strips and/or production days as a result of failing test results would incur an additional fee. Concrete as specified for P-610 will be tested if requested.

All materials incorporated in the work as requested by the RPR to be tested will be documented according to the project specifications. Records of all observations and tests will be furnished to the Project Superintendent and Project Engineer with weekly report summaries provided by project management. Additional testing services can be performed at the technician's time and laboratory fees for an additional cost.

Proposed Fees

Our services will be provided on a time and materials basis to provide general observations and to collect and transport material to our laboratory for testing. Lump sum costs for laboratory testing are also provided. Actual invoiced time will vary depending on project needs from the Contractor's schedule which is not known at this time. Our estimate includes mobilization, setup and calibration of a mobile laboratory trailer for assistance in testing. Paving days are estimated based on paving two, 1 ½ -inch lifts for a total HMA thickness of 3-inches, with full-time observation and a sample runner to assist in expedited testing to be performed on-site in a mobile laboratory. One additional lab rental day is required after paving to perform final laboratory testing on asphalt placed the previous day. We anticipate one control strip with 3 sublots, and 10 production days of 3 sublots each, for a total of 33 sublots. Each subplot sample will be tested for Gyratory voids and Rice with subsequent core samples measured and tested for density, for a total cost of \$842 per subplot. Additional visits/hours requested over our estimates, including failed test strips, would incur additional costs. We anticipate P-207 to be placed during milling operations with observations of mixing and processing and density testing after processing and compaction have been completed and QC

testing performed. Due to irregularities in moisture content from recycled asphalt product in P-207 material a moisture correction sample will be performed with actual density acceptance values provided the following day. Per California law, travel time, lodging and per-diem costs will not be directly charged to the client. Observations and testing will be invoiced in accordance with California Prevailing Wage Rates for Group 3, technician for soils/asphalt testing, and Group 1, Lead Inspector for soils/asphalt testing. Project Management visits will be performed and invoiced under standard rates for professional services exempt from prevailing wage requirements. We estimate the following cost to complete the project:

Fee Estimates

	Qty	Unit	Rate	Total
<u>Pre-Construction and Meeting Project Costs Included in Schedule I</u>				
Preconstruction Meeting (Virtual Meeting)	1	mtg.		\$ 505.00
QA/QC Workshop-Pre-Pave (On Site & Virtual Meeting)	1	mtg.		\$ 505.00
Weekly meetings (Virtual, min 2 staff)	10	mtgs.		\$ 5,050.00
Pre-Construction Items, Total cost:				\$ 6,060.00

Fee Estimate – P-152, P-207/8, P-401, P-610 Lab Costs

Lump Sum Anticipated Costs

Laboratory Mobilization	2	Mob	\$21,000.00	\$ 42,000.00
Laboratory Set-Up and Calibration	1	Item	\$10,000.00	\$ 10,000.00
Accreditation Fee, PM Verification	1	Item	\$ 9,000.00	\$ 9,000.00
Laboratory Rental (Estimated 30 days)	30	days	\$ 245.00	\$ 7,350.00
Nuke Reciprocity	1	Fee	\$ 2,000.00	\$ 2,000.00
P-401, Sublot Cost (33 Sublots @ \$842/sublot)	33	Ea	\$ 842.00	\$ 27,786.00
P-152, P-207, P-208 Classification/Proctor	3	Ea	\$ 600.00	\$ 1,800.00
P-610, 3 pours (5 cylinders/pour @ \$29/cyl)	15	Ea	\$ 29.00	\$ 435.00
Total Lump Sum cost:				\$ 92,671.00

Field Time Costs (P-401, GROUP 1, \$261.79/\$293.48OT, GROUP 3, \$235.48/\$262.33OT)

G-1 Lead Inspector/Materials (10 days @ 8hrs/day std time)	80	Hours	\$261.79	\$20,942.99
G-1 Lead Inspector/Materials (10 days @ 4hrs/day OT)	40	Hours	\$293.48	\$11,739.29
G-3 Field Technician (10 days @ 8hrs/day std time)	80	Hours	\$235.48	\$18,838.80
G-3 Field Technician (10 days @ 4hrs/day OT)	40	Hours	\$262.33	\$10,493.20
PM Data Review/Report (1hr per paving day, standard rate)	10	Hours	\$170.00	\$ 1,700.00
Senior Project Management (Site visit and report review)	40	Hours	\$225.00	\$ 9,000.00
Total Hours-PW & Professional cost:				\$72,714.28

Field Time Costs (P-207, GROUP 1, \$261.79, GROUP 3, \$235.48)

G-1 Lead Inspector/Materials (10 days @ 8hrs/day std time)	80	Hours	\$261.79	\$20,942.99
G-3 Field Technician (5 days @ 8hrs/day std time)	40	Hours	\$235.48	\$ 9,419.40
PM Data Review/Report (1hr per day, standard rate)	20	Hours	\$170.00	\$ 3,400.00
Senior Project Management (Site visit and report review)	40	Hours	\$225.00	\$ 9,000.00
Total Hours-PW & Professional cost:				\$42,762.39

Field Time Anticipated Costs (P-152/208/610, GROUP 1, \$261.79, GROUP 3, \$235.48)

G-1 Lead Inspector/Materials (5 days @ 8hrs/day std time)	40	Hours	\$261.79	\$10,471.49
G-3 Field Technician (5 days @ 8hrs/day std time)	40	Hours	\$235.48	\$ 9,419.40
PM Data Review/Report (1hr per day, standard rate)	10	Hours	\$170.00	\$ 1,700.00
Total Hours-Asphalt cost:				\$21,590.90

Total cost for QA Services: \$235,798.57

We will efficiently schedule our services to the degree possible to minimize cost to the project. The client will only be invoiced for requested visits which may be less than the estimate provided. Any additional services or additional visits due to failing control strip or production days would be billed upon your authorization at the rates shown above and according to the GeoStrata 2026 rate schedule for time, lab testing and remote lab rental. It would be the Client's responsibility to pass through any costs to the Contractor incurred due to failing test results or poor performance.

We appreciate the opportunity to prepare this proposal for you and look forward to providing you with our services for this project. If you have any questions regarding any aspects of our proposal, please call our office at 801-501-0583.

Respectfully submitted,

GeoStrata



Scott W Richards, P.E., P.G.
Principal – Aviation Lead

Attachments: 2026 Rate Sheets (Standard Rates for Professional Time and Lab Tests)

Client agrees to the Scope of Work described in this Proposal and Cost Estimate.

By: _____
(signed)

Title: _____

(printed)

Date: _____



2026 Rate Schedule and Lab Charges

The compensation to GeoStrata for our professional geotechnical engineering, geologic, and environmental services is based upon the following elements:

Personnel

Expert Witness (per hour)	\$270.00
Senior Consultant (per hour)	\$225.00
Principals (per hour)	\$225.00
Senior Engineers (per hour)	\$190.00
Senior Geologists (per hour)	\$190.00
Project Engineers (per hour)	\$170.00
Project Geologists (per hour)	\$170.00
Staff Engineers (per hour)	\$150.00
Staff Geologists (per hour)	\$150.00
Environmental Scientist (per hour) including asbestos inspections, soil sampling, ground water sampling	\$150.00
GIS/Auto CAD Operator (per hour)	\$100.00
Project Manager (per hour)	\$110.00
Word Processing and Clerical (per hour)	\$70.00
Assistant Professionals (per hour)	\$100.00
Senior Field/Laboratory Technicians (per hour)	\$80.00
Field/Laboratory Technician (per hour)	\$70.00
Building Inspector (per hour)	\$100.00
Welding Inspector (per hour)	\$100.00
ICC Special Inspector (per hour) Structural Steel, Bolting, Epoxy Structural Masonry, EIFS, Reinforced Concrete, Post Tension Concrete, Suspended Ceilings, Fire Proofing	\$95.00

Miscellaneous Expenses

Letter of Subrogation	price per job
In-House printing (per page)	\$0.15
Plotting (per plot)	\$55.00

Equipment

Company Vehicle (per day)	\$74.00
Mileage (per mile)	\$1.00
Per diem (per day)	Price per job
Mobilization/Demobilization	Price per job
Truck Mounted Drill Rig (per hour)	Cost plus 20%
Tracked Excavator (per hour)	Cost plus 20%
Rubber Tired Backhoe (per hour)	Cost plus 20%
Core Rig Rental (per day)	\$100.00
Generator Rental (per day)	\$70.00
Soils Laboratory Rental (per day)	\$160.00
Asphalt Laboratory Trailer Rental (per day)	\$245.00
Tieback/Soil nails testing (per day)	\$138.00
Consumables (Dye Penetrant, Magnetic Particle, etc.)	Cost plus 20%
Ultrasonic Examination and Magnetic Particle, Torque Wrench (per hour)	\$100.00
Continuous Soil Sampling (additional per hour)	\$30.00
Soil Sample Containers (per container)	\$22.00
Sand Cone (per test)	\$45.00
Vibration Monitoring (per day)	\$280.00
Inclinometer Measurement (per day)	\$255.00
SSRI-Sealed Single Ring Infiltrometer (per day per ring)	\$35.00
GIS/Auto CAD 7 Terrain modeling software (per hour)	\$45.00
Geophysics-Seismic, Televiwer, ER IP, etc. (per day)	Cost plus 20%
Sub-contracted work and other Costs incurred with outside services, equipment or consumables	Cost plus 20%
Environmental sampling pumps	Cost plus 20%
Environmental consumable field supplies	Cost plus 20%
Quality Control Plan	\$320.00



2026 Rate Schedule and Lab Charges

Asphalt

Burn/Gradation and oil content	\$250.00
Rice	\$125.00
Field Marshall (set of 3 pucks)	\$450.00
Stability & Flow	\$100.00
Gyro Pucks (per set)	\$620.00
Marshall Design	\$4,325.00
SHRP Design	\$7,785.00
Immersion Compression	\$675.00
Density & thickness of AC Core	\$74.00
Thickness only of AC Core	\$42.00
Oven Correction (5 Samples)	\$680.00

Aggregate/Soils

Proctor	\$230.00
Specific Gravity Rock Correction	\$110.00
Gradation (Sieve analysis)	\$110.00
LL/PI (Atterberg limits)	\$110.00
Plastic Limit	\$55.00
Liquid Limit	\$55.00
Soils Analysis (Proctor, Gradation, Atterberg, Rock Correction, AASHTO Class)	\$600.00
California Bearing Ratio (CBR)	\$425.00
LA Abrasion	\$425.00
Coarse Aggregate Specific Gravity	\$100.00
Fine Aggregate Specific Gravity	\$100.00
Specific Gravity of Soil	\$132.00
Sodium Soundness	\$430.00
Clay Lumps & Friable Particles	\$85.00
Flat and Elongated	\$135.00
Fine Aggregate Angularity	\$74.00
Fractured Face Count	\$101.00
Sand Equivalent (set of 3)	\$157.00
Unit Weight	\$22.00
Organic Impurities	\$74.00
Moisture only	\$22.00
Lightweight pieces	\$135.00
Flakiness Index	\$100.00
Stripping	\$135.00

Permeability Testing

Falling Head, standard 2.5" diameter	\$165.00
Constant Head, standard 2.5" diameter	\$300.00
Back Pressure, Constant Head	\$425.00
Large Diameter Permeability (9.6 in. (Aggregate))	\$370.00

Concrete and Masonry

Cylinders	\$29.00
Grout Cylinders	\$39.00
Mortar Cylinders	\$39.00
Composite Prisms	\$110.00
Cores (compressive strength)	\$55.00
Beams	\$85.00
Density & Absorption of Cores (set of 3)	\$129.00
Concrete Shrinkage Test (set of 3)	\$385.00
Concrete Design	\$1,855.00
Trial Batch (per hour/per person)	\$85.00
Core Rig (Daily)	\$110.00
Generator (Daily)	\$75.00
Potential Alkali-Silica Reactivity (ASR Mortar Bar-ASTM C-284 or C1260)	\$710.00
Petrographic Analysis	Cost plus 20%
Lightweight Particles	\$165.00

Soils: Basic Index Testing

Crumb Test	\$45.00
Moisture Content	\$22.00
Moisture & Density (standard samples or rings)	\$34.00
Organic Content	\$74.00
Pinhole Dispersion Test (include sample preparation)	\$244.00
Phase Relationships computations (per sample)	\$45.00
Shrinkage Limit	\$80.00
GSD Standard (up to 1 quart bag)	\$85.00
Percent Fines (passing No. 200 sieve)	\$51.00
Percent Fines Bulk Sample (passing No. 200 sieve)	\$74.00
GSD Bulk (requires split, type1 gallon bag)	\$110.00
Hydrometer Analysis (does not include specific gravity)	\$125.00
USCS or AASHTO Classification	\$34.00
USDA Classification (does not include grain-size distribution or hydrometer)	\$34.00

GeoStrata

2026 Rate Schedule and Lab Charges

Exhibit A

Compressibility Tests

Percent Swell Collapse (seating + specified load + inundation)	\$135.00
1-D Consolidation 10 loads + rebound (does not include Gs)	\$165.00
1-D Consolidation 10 loads + rebound + collapse/swell	\$175.00
Secondary Curves (per load per day)	\$40.00
1-D Consolidation (timed readings, and rebound)	\$165.00
Constant rate of strain consolidation	By project
Free Swell	\$135.00

Strength Testing

Direct Shear (CD), 3 points, 2.5" OD Max	\$375.00
Residual Shear (CD), per pt., 5 cycles	\$740.00
Point Load Test, per test	\$55.00
Pocket Penetrometer, per test	\$30.00
Torvane, per test	\$30.00
Unconfined Compression	\$100.00
Consolidated Undrained Triaxial	\$925.00
Unconsolidated Undrained Triaxial	\$370.00

Other

Reliance Letter	\$620.00
-----------------	----------

Tech Charges

2150-Soil Density Testing	\$70.00
3350-Concrete Sampling/Testing	\$80.00
3375-Sample Pickup	\$70.00
2200-Visual Soil Observations	\$70.00
2425-HMA Sampling	\$80.00
2450-HMA Density	\$80.00
2475-Asphalt Testing	\$80.00

Other Special Tests

Soluble Chloride	\$70.00
Corrosion package (includes resistivity, pH, Soluble Sulfates, Soluble Chloride)	\$255.00
NaSO4 Soundness	\$305.00
pH (Potentiometer, Method A)	\$60.00
Resistivity, Moisture Conditioned Multi-Point	\$122.00
Resistivity, at Existing Moisture Content	\$70.00
Soluble Sulfates	\$70.00
Environmental lab fees-including asbestos,	Cost plus 20%

Notes:

All pricing subject to change.

I. Pricing for testing not described herein will be provided upon request.

II. Pricing assumes samples do not contain hazardous materials. Testing fees for contaminated samples will be at a negotiated fee.

III. Costs include storage of samples for up to 7 days after completion of testing. Samples will be discarded unless client makes prior arrangements.

IV. Additional storage will be at a negotiated fee.

V. Rush service available at an additional surcharge, please call for details.

VI. Daily rates are available upon request.

Scope of Work with Subconsultant Costs

(To be used in Grant Application)

**EXHIBIT A – SCOPE OF SERVICES
OF THE
PROFESSIONAL SERVICES AGREEMENT
BETWEEN SPONSOR AND ENGINEER**

FURTHER DESCRIPTION OF SERVICES OF ENGINEER

1. This Attachment is made a part of and incorporated by reference into the Professional Services Agreement between **COUNTY OF HUMBOLDT, CALIFORNIA (Sponsor)** and **LOCHNER (Engineer)** providing for professional engineering services. The Services of Engineer as described in 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** – Rohnerville Airport (FOT) - Fortuna, California

3. **WORK PROGRAM** – Attached

Element 1 – *Rehabilitate Runway 11/29 (Construction Services)*

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

Element 1 – Project Development & Administration \$14,580.00

Element 1 – Preliminary Design (Not Used)

Element 1 – Final Design (Not Used)

Element 1 - Bidding Services \$14,520.00

Element1 - Construction Period Services

A. Construction Administration Services \$57,210.00

B. Construction Observation Services \$141,320.00

Element 1 - Project Closeout \$11,840.00

Element I – Special Services

Acceptance Testing \$235,798.000

Engineering Total **\$475,268.00**

SPONSOR:
COUNTY OF HUMBOLDT, CALIFORNIA

ENGINEER:
LOCHNER

Justin Hopman, Director of Aviation

Erik Vliek, Business Manager

**SCOPE OF WORK
ROHNERVILLE AIRPORT
AIP NO. 3-06-0083-0XX-2026**

ELEMENT #1 REHABILITATE RUNWAY 11/29 (CONSTRUCTION SERVICES)

1. Runway 11/29 is the primary, and only, runway at Rohnerville Airport (FOT). In a recent Pavement Condition Index (PCI) survey conducted in July 2022, the Runway 11/29 pavement received a PCI rating of 52, which indicates that the runway requires major rehabilitation in order to continue to support the current mix of aircraft traffic. The construction will include P-207 In-place full depth reclamation (FDR) of the existing asphalt pavement and P-401 asphalt pavement surface course pavement. The project was design under a previous task order. This task order is to complete the construction services portion of the project. The included project sketch depicts the general layout for the project.

Estimated Construction Cost (Element 1) is: \$4,580,000

Estimated Construction Period (Element 1) is: 60 calendar days



Figure 1: Project Area

I. ELEMENT I - PROJECT DEVELOPMENT AND ADMINISTRATION

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

Activities include:

1. Develop preliminary cost estimates and conceptual layout exhibits required for preliminary project actions such as scoping, grant applications, and other preliminary documents.
2. Develop and submit a detailed Scope of Work for review and approval. Upon submittal, the Engineer will solicit feedback from the Sponsor, State Aeronautics, and FAA and refine the detailed Scope of Work based on feedback received. This task assumes one round of edits based on Sponsor input and a separate round of edits based on FAA and State input.
3. Following approval of the detailed Scope of Work, the Engineer will prepare a detailed fee estimate showing an hourly breakdown of staff resources required for each task, including incidental expenses related to travel, printing, and/or shipping.
4. Coordinate fee proposals from any required subconsultants needed to perform services defined in the detailed Scope of Work. Work includes developing a request for proposal packet for each subconsultant service that clearly defines the activities required.
5. Prepare appropriate documents and assist the Sponsor with obtaining an Independent Fee Review based on the approved detailed Scope of Work.
6. Conduct fee negotiations with the Sponsor and assist in preparing a Record of Negotiations to document the independent fee review, if required, and any subsequent fee negotiations.
7. Incorporate final detailed Scope of Work and negotiated fees into a final Agreement for Professional Services and coordinate final approval and signature with the Sponsor.
8. Prepare Preliminary FAA Grant Application and submit to Sponsor for signature and submittal. Application packet will include the following:
 - a. Prepare Preliminary Grant Application Checklist (CA ONLY)
 - b. Form 424, Application for Federal Assistance
 - c. Form 5100-100
 - d. Program Narrative
 - e. Project Cost Estimate
 - f. Airport Sponsor Assurances
 - g. Project Sketch clearly identifying major work items
 - h. Exhibit "A" Property Map
 - i. Standard DOT Title VI Assurance
 - j. Sponsor Certification for Project Plans and Specifications
 - k. Sponsor Certification for Selection of Consultants
 - l. Sponsor Certification for Disclosure of Potential Conflicts of Interest
 - m. Sponsor Certification for Equipment and Construction Contracts
 - n. Current listing of FAA Advisory Circulars for AIP/PFC Projects

- o. Sponsor Certification for Drug-Free Workplace
 - p. Title VI Pre-award Sponsor Checklist
- 9. Prepare monthly invoicing and FAA grant drawdown packets. In addition to the Engineer's invoices, the Engineer will incorporate other eligible projects expense invoices provided by the Sponsor in the packet. The Sponsor will be required to complete the payment reimbursement through the FAA e-invoicing system and the State process.
- 10. Project Management and Administration. Project management and administration includes coordination between Engineer staff, Sponsor, State, and FAA that isn't related to a specific task but is essential to the project process. This work includes:
 - a. Weekly internal progress meetings with the design team.
 - b. Conduct regular coordination meetings with Sponsor, State, and FAA. It is anticipated that these meetings will be held monthly, last approximately 1 hour, and be conducted via videoconference.
 - c. Drafting project correspondence for Sponsor's use in coordination with State and FAA.
 - d. Perform the business aspects of the project.
 - e. Perform the grant administration for the project.
- 11. Prepare and Coordinate Subconsultant Agreements. Work includes coordinating on-site subconsultant tasks with the appropriate Sponsor representative.

II. ELEMENT I - PRELIMINARY DESIGN (NOT USED)

III. ELEMENT I - FINAL DESIGN (NOT USED)

IV. ELEMENT I - BIDDING SERVICES

During the bidding phase of the project, the Engineer will assist the Sponsor in advertising and letting the project for bid. Engineer will assist in dialogue with potential bidders to quantify bidder questions assist Sponsor in attaining economic bids. Activities outlined below and the fees listed on pages 1-2 cover one iteration of the bidding process. Preparing multiple bid processes, packages, or re-bidding may incur additional or repeated services.

Activities include:

1. Assist the Sponsor with advertising and interpretation of the project requirements. Plans and specifications will be available via the website of Lochner. The Sponsor, State, and FAA will be given a digital copy of the final plans, specifications and contract documents.
2. Provide technical assistance and recommendations to the Sponsor during construction bidding.
3. Attend and assist with pre-bid conference. Answer Contractor questions and issue necessary clarifications and addenda. The pre-bid conference will be held in-person by the Project Manager and Design Engineer.
4. Provide technical assistance as requested by the Sponsor during the bid opening process (virtual).

5. Prepare an abstract of bids, perform necessary review of the bids to determine responsiveness, and prepare award recommendation letter.
6. Update preliminary Federal Grant Application prepared during Project Development phase based on bids. The Engineer will submit the application to the Sponsor for approval and signatures.
7. Assist in award notification to successful bidder and assist in notification to unsuccessful bidders. The DBE goal and all bidding requirements will be reviewed for responsiveness. Any issues or concerns that arise from the bidding documents will be brought to the attention of the Sponsor for clarification.

V. ELEMENT I – CONSTRUCTION PERIOD SERVICES

During the construction phase of the project, the Engineer will assist the Sponsor with monitoring, documenting progress for quality and cost control and overall grant administration during construction.

Activities include:

A. Construction Administration Services

1. Coordinate construction contract documents for successful bidder, including contract agreement, bond forms, certificates of inclusion, and Notice to Proceed. Review Contractor's bonds, insurance certificates, construction schedules. Review Contractor's sub-contracts.
2. Provide Sponsor and FAA with digital copies of the Contract Documents, Specifications, and Construction Plans. Provide Contractor with a digital copy of the Contract Documents, Specifications, and Construction Plans; complete with all addenda.
3. Review and accept the Contractor's Safety Plan Compliance Documents prior to issuing the Notice to Proceed.
4. Coordinate a Construction Management Plan with the Contractor prior to paving operations commencing.
5. Conduct pre-construction conference. The pre-construction conference will be held on-site and will be attended by the Project Manager and Resident Project Representative (RPR).
6. Identify local survey control points used for project design and layout. Engineering staff will assist, as necessary, the RPR and Contractor's surveyor during construction by compiling and sending supplemental information regarding issues arising related to construction surveying. Work may include developing alternative survey control based on site conditions discovered during construction and/or findings of the Contractor's surveyor.
7. Provide technical assistance and recommendations to the Sponsor during construction. This item also includes daily construction coordination from the office that does not fit in another item such as phone calls to and from the Contractor, RPR and Owner for project updates, questions, and instructions.

8. Construction Site Visits. This item includes four (4) additional trip for Element 1 to the job site for on-site clarification by the Project Manager.
9. Conduct pre-paving conference to review Contractor's laydown, testing and surveying plans. Meeting will be held via video conference and will be attended by Project Manager and RPR.
10. Prepare change orders and supplemental agreements, if required, including appropriate cost/price analysis. All coordination of change orders will be provided by the Engineer.
11. Review and certify monthly Contractor payment requests. Pay requests will be reviewed for accuracy with the Contractor and RPR.

B. Construction Administration Services

1. Provide review and approval of all submittals for materials to be used on the project. Review all shop drawings items as required during construction.
2. Provide a full time Resident Project Representative (RPR) to monitor and document construction progress, confirm conformance with schedules, plans and specifications, measure and document construction pay quantities, document significant conversations or situations, document input or visits by local authorities, etc. Maintain daily log of construction activities. Conduct interviews of the Contractor's and Subcontractor's employees regarding Davis Bacon wage rates and the review of their weekly payroll reports.
3. Prepare and submit weekly inspection reports. Reports will be submitted to the FAA and Sponsor.
4. Conduct final project inspection with the Sponsor, FAA, and the Contractor. Any punch list items will be noted and coordinated with the Contractor for necessary action. The final inspection will be held on-site and will be attended by the Project Manager and/or RPR.

VI. ELEMENT I - CLOSEOUT

During the project closeout phase of the project, the Engineer will assist the Sponsor with compiling all of the 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. Prepare Summary of Tests report to document the acceptance testing performed on the project.
2. Assist the Sponsor with completing all necessary grant closeout certifications and forms, including final SF425, SF271, draft grant closeout request letter.
3. Update Airport Layout Plan and Terminal Area Drawing to reflect as-built conditions.
4. Prepare record drawings, indicating changes made to the design during construction. The FAA, State, and Sponsor will each receive drawings in pdf format. AutoCAD files can be provided upon request.

5. Prepare Final Engineers Report. The final report will follow the current FAA AIP Final Report guidance.

VII. ELEMENT I - 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:

In-house:

None

Subconsultant Services

1. Acceptance Testing will be conducted by a subconsultant hired by the Engineer in accordance with the requirements listed in the technical specifications developed for the project for the following items:

Item P-401 Plant Mix Bituminous Pavement

Item P-207 In-Place Full Depth Reclamation (FDR) Recycled Asphalt Aggregate Base Course

Item P-610 Structural Portland Cement Concrete

PERSONNEL & ADMINISTRATION

	Principal	Project Manager	Senior Design Engineer	Design Engineer	Design Technician	Administrative Assistant
	\$353.00	\$331.13	\$328.01	\$221.79	\$168.69	\$165.56
Drawings		1		2		
		2				
		2				
		4				
		2				
		2				
Approval and Signatures		2				
		1				2
Drawn Packets						
		3		3	3	3
		3		1		
		4				
		4				
		4				4
Drawings						
Hours	0	34	0	6	3	9
Summary Costs	\$0.00	\$11,258.39	\$0.00	\$1,330.76	\$506.07	\$1,490.08
Expenses Per Diem						0 Days
Lodging Per Diem						0 Days
Rental Car						0 Days
Mileage						0 Miles
Airfare						0 Trips
Misc Expenses						\$ -
Total Project Development						
NOT USED)						
Total Preliminary Design						
D)						
Total Final Design						
	Principal	Project Manager	Senior Design Engineer	Design Engineer	Design Technician	Administrative Assistant

Summary Costs		\$1,411.98	\$27,814.85	\$0.00	\$11,755.09	\$5,316.81	\$331.13
Expenses Per Diem			12			4	16 Days
Lodging Per Diem			6			2	8 Days
Rental Car			6			0	6 Days
Mileage			300			0	300 Miles
Airfare			6			0	6 Trips
Misc Expenses						\$	-
Total Construction Account							
PERSONNEL	Principal	Project Manager	Senior Design Engineer	Design Engineer	Senior Construction Observer	Construction Observer (CA)	
	\$353.00	\$331.13	\$328.01	\$221.79	\$262.40	\$231.17	
		4		12		2	
						514	
		1		2		8	
PERSONNEL		8		1			
	0	13	0	15	0	524	
Summary Costs		\$0.00	\$4,304.68	\$0.00	\$3,326.91	\$0.00	\$121,130.80
on Days (calendar)		60					
Expenses Per Diem			2			60	
Lodging Per Diem			1			60	
Rental Car			1				
Mileage			50				
Airfare			1				
and Internet Costs			0			2	
Misc Expenses			0				
Total							
PERSONNEL	Principal	Project Manager	Design Technician	Design Engineer	Construction Observer (CA)	Administrative Assistant	
	\$353.00	\$331.13	\$168.69	\$221.79	\$231.17	\$165.56	
		1		4			
		4		1		1	
			4	1			
PERSONNEL		1	16	2		1	