

Reinard W. Brandley

CONSULTING AIRPORT ENGINEER



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February 20, 2020

Mr. Kevin Cooksy
Airport Manager
Cameron Park Airport
3374 Mira Loma Drive
Cameron Park, California 95682

Subject: Cameron Park Airport
Proposal for Professional Engineering Services
Request for Quote for Obstruction Analysis and Engineer's Opinion

Dear Mr. Cooksy:

The Cameron Park Airport issued a Request for Quote for Professional Engineering Services dated February 3, 2020. Our office has been performing Airport Engineering and Planning Services for the past 67 years, including analysis of obstructions to the navigable airspace that surrounds airports, including past work at the Cameron Park Airport.

Our office is pleased to present our proposal for preparing FAA Form 7460-1 for each of the identified obstructions and analyzing the trees, future house, and existing obstruction light. The services to be provided include:

- Detailed surveys will be conducted for each of the obstructions identified in the RFQ. These will include the location and elevation of each of the 5 trees, existing obstruction light and the proposed future house. The site elevation, elevation of the top of the obstruction and height above ground of each item will be obtained. We understand that some of the trees are on private property and we will not be able to access those trees. For the trees on private property, the site elevation and height above ground of these trees may not be able to be obtained, but the elevation of the top of the tree will be captured, provided that it is visible from the public streets. The detailed surveys will also include the location and elevation of each threshold on Runway 13-31 such that they can be used to analyze the approach and Part 77 surfaces associated with the Cameron Park Airport.
- FAA Form 7460-1 will be completed and electronically filed with FAA for each of the 5 identified trees, the existing obstruction light, and the proposed new house. We understand that the proposed house already has determination completed, but if the survey data provides significantly different data than what was originally submitted, a new 7460 will be filed. FAA responses to the 7460's can take up to 45 days to receive a determination.
- Engineering analysis and report. Our office will analyze all survey data, compare the survey data to the FAA approach surfaces, Threshold Siting Surfaces, and Part 77

Surfaces in order to provide an engineering opinion on each item and whether they are obstructions to any of the approach surfaces. We will provide our recommendations for possible mitigations of each obstruction and will work with Cameron Park Airport, FAA and CalTrans Aeronautics to determine whether the obstruction light on the proposed new house will mitigate these hazards or whether they will need to be mitigated separately.

- The survey work, filing 7460's, and Engineering Analysis can be completed within 3 weeks of authorization to proceed from the Airport. Please note that FAA can take up to 45 days to issue a written determination for the 7460's.

The proposed fee for this work is as follows (Not to Exceed Amounts):

Obstruction Surveys	\$2,120
Engineer Site Visit during Surveys	564
7460s, Engineering Analysis and Report	<u>2,100</u>
Total – Not to Exceed	Use <u>\$4,800</u>

This work will be completed at our hourly rates but will not exceed \$4,800 without prior approval of the Airport. A breakdown of proposed engineering fees is shown on the attached Table No. 1. Exhibit A lists our hourly rates if any further work is required.

We appreciate the opportunity of presenting this proposal and look forward to working with you on this project.

Very truly yours,



R. Damon Brandley

RDB:aw
Attachments

TABLE NO. 1

**CAMERON PARK AIRPORT
CAMERON PARK, CALIFORNIA**

REQUEST FOR QUOTE - OBSTRUCTION ANALYSIS

BREAKDOWN OF ENGINEERING FEES

Staff	Total		
	Hours	Rate	Total
<u>Obstruction Surveys</u>			
Two-person Survey Crew	8.0	\$ 265	\$ 2,120
<i>Total Surveys</i>			\$ 2,120
<u>Engineer Site Visit During Survey</u>			
Senior Engineer	3.0	180.00	540
Mileage	42.0	0.58	24
<i>Total Survey Oversight</i>			\$ 564
<u>File 7460s, Engineering Analysis and Report</u>			
Principal Engineer	1.0	\$ 300.00	\$ 300
Senior Engineer	10.0	180.00	1,800
<i>Total Engineering Analysis</i>			\$ 2,100
	TOTALS		\$ 4,784
	TOTALS - Use		\$ 4,800

EXHIBIT A

**Brandley Engineering
Consulting Airport Engineers**

STANDARD SCHEDULE OF HOURLY RATES

Personnel

Reinard W. Brandley.....	\$300.00/Hour
Senior Engineer/Resident Engineer	\$180.00/Hour
Junior Engineer/Senior Inspector	\$110.00/Hour
Senior Drafter	\$110.00/Hour
Junior Drafter	\$85.00/Hour
Project Administrator	\$100.00/Hour
Clerical.....	\$75.00/Hour

Travel and Equipment Rental

Per Diem.....	\$200/Day
Vehicle Rental	\$40.00/Day + \$0.58/Mile

Outside Consultants

Services by Outside Consultant.....	Cost + 10%
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