



August 15, 2021

Ms. Sierra Shultz
Assistant Engineer
Town of Mammoth Lakes
P.O. Box 1609
Mammoth Lakes, California 93546

Subject: Mammoth Yosemite Airport
8 Bay ARFF/Snow Removal Maintenance Facility – Site Work
Engineering Design
Proposal for Professional Engineering Services

Dear Sierra:

The Town of Mammoth Lakes proposes to construct a new 8 Bay ARFF/Snow Removal Maintenance Facility at the Mammoth Yosemite Airport in 2022 and will submit a preapplication and final application for FAA Airport Improvement Program funding for this work. It is currently proposed to perform this project under two separate construction contracts, one for the site work and one for the building itself. This proposal is for the engineering services required for the site work portion of this project.

The estimated construction cost of the site work is \$2,000,000, which includes grading and drainage, an access road, parking lot, airside apron, and bringing utilities to the building pad. The building itself will be constructed under a separate design-build contract and process. The engineering scope for the site work has been broken down into five phases:

- Phase 1 – Preliminary Engineering
- Phase 2 – Engineering Design Services Up Through Preparation of Plans and Specifications.
- Phase 3 – Engineering Services During Bid and Award
- Phase 4 – Engineering Design Services During Construction and Project Closeout.
- Phase 5 - Construction Management.

Brandley Engineering is pleased to present our proposal for Phases 1, 2, and 3 at this time. Phases 4 and 5 will be included in a later proposal prior to the final FAA AIP Application submission. Each portion of this proposal is based on Not to Exceed estimated fees based on the scope that has been determined at this time.

We have summarized below the scope of work, the engineering fee, and the time of completion for each phase of work.

Phase 1 – Preliminary Engineering

- ◆ *Topographic Surveys*
- ◆ *Geotechnical Studies and Pavement Design*

Subtotal – Preliminary Engineering	Not to Exceed \$34,000
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Phase 2 - Engineering Design Through Preparation of Plans and Specifications

- ◆ *Final Design, Plans & Specs* - Engineering design, preparation of plans and specifications, preparation of Engineer's Report including Engineer's Estimate, and preparation of Construction Management Plan and Construction Safety and Phasing Plan

Phase 2 can be completed within 90 calendar days after receipt of authorization to proceed.

Subtotal – Engineering Design	Not to Exceed \$133,000
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Phase 3 – Engineering Services During Bid and Award - The engineering design requirements during bid and award will include the following:

- ◆ Assist Town in printing and distributing final plans and specifications to prospective contractors
- ◆ Participate in a pre-bid meeting for all prospective contractors.
- ◆ Respond to any questions and comments from prospective contractors.
- ◆ Preparation of required addenda.
- ◆ Assist Town in awarding contract including preparation of Abstract of Bids and evaluation of bids.

Subtotal – Engineering During Bid & Award	Not to Exceed \$12,000
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The total contract amount for this work will not exceed \$179,000 without prior approval of the Town. A breakdown of estimated engineering fees is attached as Table No. 1.

It will be necessary that you obtain an IFE and F.A.A. approval for this engineering agreement.

Ms. Sierra Schultz

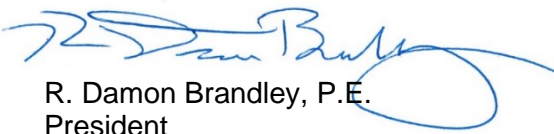
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Site Work
August 15, 2021

If this proposal is satisfactory, we will prepare a Supplemental Services Agreement to cover these services.

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

Very truly yours,



R. Damon Brandley, P.E.
President

RDB
Enclosures

TABLE NO. 1

**MAMMOTH YOSEMITE AIRPORT
MAMMOTH LAKES, CALIFORNIA**

BREAKDOWN OF PROPOSED TASKS AND ENGINEERING FEES

8 bay ARFF/Snow Removal Maintenance Facility - Site Work

Phase 1 - Preliminary Engineering

Topographic Surveys:

2 Man Survey Crew			\$	4,500.00
Senior Drafter	40	Hrs @	\$110	<u>4,400.00</u>

<i>Total Topographic Surveys</i>			\$	<u>8,900.00</u>
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Geotechnical Studies/Pavement Design

Mobilization			\$	3,000.00
Truck Drill - 3 Man Crew	8	Hrs @	\$425	3,400.00
OT Drill	2	Hrs @	\$495	990.00
Per Diem - 3 man crew	2	Days @	\$630	1,260.00
Daily Travel	1	Hrs @	\$250	250.00

Materials:

Sample Liners	200	@	\$8	1,600.00
Senior Engineer (Field)	18	Hrs @	\$180	3,240.00
Senior Engineer (Field) - OT	2	Hrs @	\$270	540.00
Mileage	500	Miles @	\$0.58	290.00
Vehicle	2	Days @	\$40	80.00
Per Diem	2	Days @	\$210	420.00
Geotechnical Engineer (Lab)	10	Hrs @	\$300	3,000.00
Senior Engineer (Lab)	20	Hrs @	\$180	3,600.00
Senior Drafter	20	Hrs @	\$110	2,200.00

Outside Laboratory Soils Tests				<u>1,000.00</u>
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<i>Total Soils/Pavement Design</i>				<u>24,870.00</u>
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<i>Total Phase 1 - Preliminary Engineering</i>				33,770.00
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				Use	34,000.00
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TABLE NO. 1 (continued)

**MAMMOTH YOSEMITE AIRPORT
MAMMOTH LAKES, CALIFORNIA**

BREAKDOWN OF PROPOSED TASKS AND ENGINEERING FEES

8 bay ARFF/Snow Removal Maintenance Facility - Site Work

Phase 2 - Engineering Design and Preparation of Plans and Specifications

Principal Engineer	120	Hrs @	\$300	\$	36,000.00
Project Manager	100	Hrs @	\$180		18,000.00
Senior Engineer	100	Hrs @	\$180		18,000.00
Junior Engineer	200	Hrs @	\$110		22,000.00
Senior Drafter	190	Hrs @	\$110		20,900.00
Project Administrator	60	Hrs @	\$100		6,000.00
Clerical	50	Hrs @	\$75		3,750.00
Electrical / Mechanical Subconsultants - Utilities and Floodlighting					7,000.00
Printing, Postage, etc.					1,000.00
Mileage	1000	Miles @	\$0.58		<u>580.00</u>
<i>Total Phase 2 - Engineering Design</i>					<u>\$ 133,230.00</u>

Use \$ 133,000.00

Phase 3 - Engineering Support During Bidding and Contract Award

Principal Engineer	16	Hrs @	\$300	\$	4,800.00
Senior Design Engineer	20	Hrs @	\$180		3,600.00
Junior Engineer	10	Hrs @	\$110		1,100.00
Project Administrator	10	Hrs @	\$100		1,000.00
Clerical	10	Hrs @	\$75		750.00
Mileage	500	Miles @	\$0.58		290.00
Postage and Other Expenses					<u>500.00</u>
<i>Total Phase 3 - Bidding and Contract Award</i>					<u>\$ 12,040.00</u>

Use 12,000.00

Total Engineering Phases 1-3 (Site Work)

\$ 179,000.00