

Airport Name: Columbia Regional Airport
 Project No.: 3-29-0022-049-2020
 County: Boone

**AVIATION PROJECT CONSULTANT SUPPLEMENTAL AGREEMENT NO. 2
 ADDITIONAL DESIGN SERVICES**

THIS SUPPLEMENTAL AGREEMENT NO. 2 for Additional Design Services is entered into by the City of Columbia, Missouri (hereinafter, "Sponsor") and BURNS & MCDONNELL ENGINEERING COMPANY, INC. (hereinafter, "Consultant").

WITNESSETH:

WHEREAS, the Sponsor and the Consultant entered into an Agreement on 1/9/2019, to accomplish a project at the Columbia Regional Airport related to the design of the Extension of Runway 2-20 for nine hundred feet to the North, (hereinafter, "Original Agreement"); and

WHEREAS, the Sponsor and the Consultant now desire to enter into Supplemental Agreement No. 2 to otherwise complete, extend or continue the Original Agreement as provided herein.

NOW, THEREFORE, in consideration of the mutual promises, covenants, and representations contained herein the parties agree as follows:

(1) SCOPE OF SERVICES:

(A) The Services to be provided by the Consultant under Supplemental Agreement No. 2 are additional services which are beyond the scope of services provided in the Original Agreement and Supplemental Agreement No. 1. These additional professional services are generally described and defined in Section (16)(State) or (17)(Federal) of the Original Agreement and Exhibit II – SA2, which is attached hereto and incorporated herein by reference.

(2) FEES AND PAYMENTS:

(A) The Consultant shall be reimbursed in accordance with Section (8)(State) or (9)(Federal) of the Original Agreement.

(B) The costs of Supplemental Agreement No. 2 shall be in addition to the cost of the Original Agreement and the costs of Supplemental Agreement No. 1.

(C) The lump sum fee and maximum amount payable included in Section (8)(State) or (9)(Federal) of the Original Agreement are hereby modified as follows:

	ORIGINAL AMOUNT	SUPPLEMENTAL AGREEMENT NO. 1	SUPPLEMENTAL AGREEMENT NO. 2	TOTAL
Fixed Fee	\$44,309.01	\$65,352.23	\$5,414.94	\$115,076.18

Lump Sum	\$632,293.00	N/A	\$63,615.00	\$695,908.00
Max. Fee Payable	\$632,293.00	\$959,886.00	\$63,615.00	\$1,655,794.00

(D) Estimated costs for the services in Supplemental Agreement No. 2 are defined in Exhibit IV – SA2 and Exhibit V – SA2, which are attached hereto and incorporated herein by reference.

(3) PERIOD OF SERVICE: Exhibit VI, Performance Schedule, of the Original Agreement is hereby revised to include time for the performance of these additional services. The total time to be added to Exhibit VI for completion of these additional services shall be ninety (90) calendar days. The projected design completion date shown on Exhibit VI is now revised to 360 calendar days for tasks B.1, B.2 in the original agreement and Supplemental Agreement No. 2, which includes time for performance of all remaining services in the Original Agreement and the services in Supplemental Agreement No. 2 and submittal of all design deliverables.

(4) DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS:

(A) DBE Goal: The following DBE goal has been established for this Supplemental Agreement No. 2. The dollar value of services and related equipment, supplies, and materials used in furtherance thereof which is credited toward this goal will be based on the amount actually paid to DBE firms. The goal for the percentage of services to be awarded to DBE firms is 0.0% of the total Supplemental Agreement No. 2 dollar value.

(B) DBE Participation Obtained by Consultant: The Consultant has obtained DBE participation, and agrees to use DBE firms to complete 0.0% of the total services to be performed under this Supplemental Agreement No. 2 by dollar value. The DBE firms which the Consultant shall use, and the type and dollar value of the services each DBE will perform, is as follows:

DBE FIRM NAME, STREET AND COMPLETE MAILING ADDRESS	TYPE OF DBE SERVICE	TOTAL \$ VALUE OF THE DBE SUBCONTRACT	CONTRACT \$ AMOUNT TO APPLY TO TOTAL DBE GOAL	% OF SUBCONTRACT \$ VALUE APPLICABLE TO TOTAL GOAL
Not Applicable	Not Applicable	\$0.00	\$0.00	0.0%

(5) SUBCONSULTANTS:

(A) The Consultant agrees that except for those firms and for those services listed below, there shall be no transfer of engineering services performed under this Supplemental Agreement No. 2 without the written consent of the Sponsor. Subletting, assignment, or transfer of the services or any part thereof to any other corporation, partnership, or individual is expressly prohibited. Any violation of this clause will be deemed cause for termination of this Supplemental Agreement No. 2.

Exceptions (Subconsultant Information):

FIRM NAME	COMPLETE ADDRESS	NATURE OF SERVICES
Engineering, Surveys and Services, LLC	1113 Fay street Columbia, Missouri 65201	Surveying

(6) ORIGINAL AGREEMENT: Except as otherwise modified, amended, or supplemented by this Supplemental Agreement Nos. 1 and 2, the Original Agreement between the parties shall remain in full force and effect and the terms of the Original Agreement shall extend and apply to this Supplemental Agreement No. 2.

IN WITNESS WHEREOF, the parties have entered into this Supplemental Agreement No. 2 on the date last written below.

Executed by the Consultant this 10th day of September, 2020.

Executed by the Sponsor this _____ day of _____, 2020.

CONSULTANT
Burns & McDonnell Engineering Company
Inc.

By [Signature]
David G. Yeamans
President, A & F

ATTEST
By [Signature] 9-10-2020
David G. Hadel
Manager, Aviation Services

SPONSOR
City of Columbia, Missouri

By [Signature]
John Glascock
City Manager

ATTEST:
By _____
Sheela Amin
City Clerk

Approved as to Form:

By [Signature]
Nancy Thompson

CERTIFICATION: I, hereby certify that this Agreement is within the purpose of the appropriation to which it is to be charged, Account Number 55416288-604990, AP125, and that there is an unencumbered balance to the credit of such appropriation sufficient to pay therefor.

By: _____
Matthew Lue, Director of Finance

EXHIBIT II – SA2

SCOPE OF SERVICES

EXHIBIT "E"
6/30/2020
SCOPE OF BASIC SERVICES
FOR
EXTEND RUNWAY 2-20 900' TO THE NORTH DESIGN AMENDMENT
AT
COLUMBIA REGIONAL AIRPORT

A. PROJECT NAME:

1. **Project Name:** Design Amendment for Extend Runway 2-20 900' to the North at the Columbia Regional Airport (COU) in Columbia, Missouri. This work, as requested by the Federal Aviation Administration (FAA), will be a supplemental agreement to the Design Phase Services for the Extend Runway 2-20 900' to the North and funded under AIP 3-29-0022-049.

2. **Description of Improvements:**

The description of planned improvements not included in the original Scope of Work are described herein as follows:

- a. Runway Safety Area (RSA) Grading within the footprint of the existing Runway 2-20 RSA south of the Taxiway B intersection. The existing RSA grades are less than the minimum specified under current FAA Criteria per FAA Advisory Circular 5300-13A. As a result, the existing Runway 2-20 RSA south of Taxiway B will be regraded to meet current FAA RSA standards. See Exhibit 1 below.
- b. Additional Runway 2-20 NAVAIDS Preparation including Electronics Package.
- c. PAPI Clearance Surfaces Survey (Subconsultant Assistance) as per Engineering Brief No. 95 -Additional Siting and Survey Considerations for Precision Approach Path Indicator (PAPI) and Other Visual Glide Slope Indicators (VGSI).

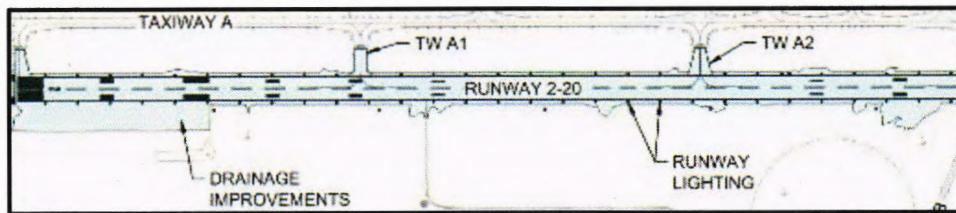


EXHIBIT 1

B. DESCRIPTION OF SERVICES TO BE PERFORMED

ENGINEER has developed the following Scope of Services to perform engineering services for the aforementioned project. The Scope of Services is defined as follows:

1. **Design Phase:** This phase will include the activities required to develop the project design documents showing the character and scope of work to be performed by Contractors on the project. The design of this project is based on the FAA Standards contained on the list found at <https://www.faa.gov/airports/aip/media/aip-pfc-checklist.pdf>.

The specific tasks that will be performed in this phase and not included in the original Scope of Work include:

a. Prepare construction Documents. The drawings to include the following:

1. Runway 2-20 RSA Overall Grading & Drainage Plan (1 Drawing)
2. Runway 2-20 RSA Grading & Drainage Plans (5 Drawings)
3. Runway 2-20 RSA Cross Sections (16 Drawings)
4. Runway 2-20 NAVAIDS Package Sheets (18 Drawings)

b. PAPI Clearance Surfaces Survey (Subconsultant Assistance). The Consultant will provide, through the services of a Registered Land Surveyor in the State of Missouri, a PAPI Light Signal Clearance Surface (LSCS) Survey per Engineering Brief No. 95 as directed by FAA Technical Operations. This effort includes the survey field work and submittal of the survey results information to the FAA for evaluation.

c. **ESTIMATED TIME OF COMPLETION:**

1. The time to complete the Scope of Services for Items identified in B.1. of this Scope of Work is estimated at ninety (90) calendar days from the Notice to Proceed (NTP).

END OF SCOPE OF BASIC SERVICES

EXHIBIT IV - SA2

DERIVATION OF CONSULTANT PROJECT COSTS (CONSTRUCTION)

SUPPLEMENTAL AGREEMENT NO. 2 - EXHIBIT IV - SA2

DERIVATION OF CONSULTANT PROJECT COSTS
SUMMARY OF COSTS
Columbia Regional Airport
Design Amendment for Extend Runway 2-20 900' to the North
Columbia Regional Airport
BASIC & SPECIAL SERVICES
June 30, 2020

1 DIRECT SALARY COSTS

<u>TITLE</u>	<u>HOURS</u>	<u>RATE/HR</u>	<u>COST (\$)</u>		
			<u>Office</u>	<u>Field</u>	<u>Contract</u>
Principal	3.00	\$ 68.00	\$ 204.00	\$ -	\$ -
Project Manager	14.00	\$ 55.00	\$ 770.00	\$ -	\$ -
Sr. Civil Eng.	46.00	\$ 45.00	\$ 2,070.00	\$ -	\$ -
Staff Civil Eng.	56.00	\$ 38.00	\$ 2,128.00	\$ -	\$ -
Sr. Electrical Engineer	36.00	\$ 54.00	\$ 1,944.00	\$ -	\$ -
Staff Electrical Eng.	36.00	\$ 38.00	\$ 1,368.00	\$ -	\$ -
Sr. Tech.	98.00	\$ 35.00	\$ 3,430.00	\$ -	\$ -
Staff Tech.	168.00	\$ 30.00	\$ 5,040.00	\$ -	\$ -
Geotechnical Engineer	0.00	\$ 57.00	\$ -	\$ -	\$ -
Clerical	0.00	\$ 21.00	\$ -	\$ -	\$ -
Quality Control Reviewer	0.00	\$ 64.00	\$ -	\$ -	\$ -
Total Hours	457.00				
Total Direct Salary Costs			\$ 16,954.00	\$ -	\$ -

2 LABOR & GENERAL ADMINISTRATIVE OVERHEAD

a. Percentage of Direct Salary Cost: (Office Rate)	219.39%	\$ 37,195.38			
b. Percentage of Direct Salary Cost: (Field Rate)	219.39%		\$ -		
c. Percentage of Direct Salary Cost: (Contract Employee Rate)	0.00%			\$ -	
d. FCCM Rate (Optional)	0.00%	\$ -	\$ -	\$ -	

3 SUBTOTAL

Summary of Items No. 1 and No. 2 (a,b,c): \$ 54,149.38 \$ - \$ -

4 PROFIT/FIXED FEE:

Percentage: 10.00% \$ 5,414.94 \$ - \$ -

5 SUBTOTAL

Summary of Items No. 1, No. 2 & No. 4: \$ 59,564.32 \$ - \$ -

SUPPLEMENTAL AGREEMENT NO. 2 - EXHIBIT IV - SA2

DERIVATION OF CONSULTANT PROJECT COSTS
SUMMARY OF COSTS
Columbia Regional Airport
Design Amendment for Extend Runway 2-20 900' to the North
Columbia Regional Airport
BASIC & SPECIAL SERVICES
June 30, 2020

6 OUT OF POCKET EXPENSES

OFFICE	No. of Units	Units	Cost/Unit					
Travel: Mileage	0.00	Miles	\$ 0.575	\$	-			
Food: Per Diem	0.00	Per Day	\$ 51.00	\$	-			
Lodging: Per Diem (incl. taxes)	0.00	Per Day	\$ 104.13	\$	-			
Rental Vehicle	0.00	Days	\$ 65.00	\$	-			
Airline	0.00	Hour	\$ 0.00	\$	-			
Printing, Shipping & Misc.				\$	50.68			
Subtotal				\$	50.68	\$	-	\$ -
Summary of Out of Pocket Expenses: (Not to Exceed)				\$	50.68	\$	-	\$ -

7 SUBCONSULTANTS

ESS - PAPI Light Signal Clearance Surface (LSCS) Survey	\$	-	\$	-	\$	4,000.00
Subtotal	\$	-	\$	-	\$	4,000.00

8 MAXIMUM TOTAL FEE

Subtotal	\$	59,615.00	\$	-	\$	4,000.00
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TOTAL (Lump Sum)	\$	63,615.00
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SUPPLEMENTAL AGREEMENT NO. 2 - EXHIBIT IV - SA2



Engineering Surveys & Services

Consulting Engineers, Land Surveyors, and Geoprofessionals
Analytical and Materials Laboratories

1113 Fay Street
Columbia, MO 65201
573-449-2646

802 El Dorado Drive
Jefferson City, MO 65101
573-636-3303

1775 West Main Street
Sedalia, MO 65301
660-826-8618

2464 Taylor Road, #130
Wildwood, MO 63040
314-254-4498

June 26, 2020

Mr. Ryan B. Lorton
Burns & McDonnell
9400 Ward Parkway
Kansas City, Missouri 64114

RE: COU RW 2-20 Extension
PAPI Siting Survey
Submitted Via Email

Dear Mr. Lorton:

At your request, we have estimated the work involved to prepare a PAPI Siting Survey for the COU Runway 2-20 Extension located in Columbia, Missouri. The survey will be completed in accordance with the Engineering Brief No. 95 of the FAA Airport and Safety Standards.

We will complete this survey, as described above, for a not-to-exceed cost of \$4,000.

Respectfully,



Cory Bergthold
Operations Manager

EXHIBIT V – SA2

ENGINEERING CONSTRUCTION SERVICES-COST BREAKDOWN

DERIVATION OF CONSULTANT PROJECT COSTS

Columbia Regional Airport

ent for Extend Runway 2-20

Columbia Regional Airport

BASIC & SPECIAL SERVICES

June 30, 2020

PART A SUBTOTAL

\$ 59,615.00

SPECIAL SERVICES

PART B SUBTOTAL

\$ 4,000.00

PART A & PART B TOTAL

\$ 63,615.00

- (5) Miscellaneous Items

Note: Subconsultant Costs (as used) are identified as a Special Services Task.

**EXHIBIT VI – SA2
PERFORMANCE SCHEDULE**

EXHIBIT VI – SA2

PERFORMANCE SCHEDULE

ORIGINAL AND SUPPLEMENTAL AGREEMENTS 1 AND 2

Consultant agrees to proceed with services immediately upon receipt of written Notice to Proceed (NTP) by the Sponsor and to employ such personnel as required to complete the scope of services in accordance with the following time schedule:

1. Table A identifies the planned schedule to complete the Scope of Services for items identified in B.1-B.3 of the Original Agreement.

**TABLE A
ORIGINAL AGREEMENT**

Item	Estimated Duration
Basic Services: B.1: Preliminary Design Phase	150 Days from the Notice to Proceed
Basic Services: B.2: Design Phase	120 Days from the FAA acceptance of Preliminary design report
Basic Services: Total Time to Complete B.1 and B.2 270 Days from the Notice to Proceed	270 Days from the Notice to Proceed
Basic Services: B.3: Bidding & Construction Award Phase	As Required
Special Services: Field Design Survey	60 Days after receipt of NTP
Special Services: Geotechnical	60 Days after receipt of NTP
Construction Services Not included in this Scope of Work	N/A

2. Table B identifies the planned schedule to complete the Scope of Services for items identified in B.1-B.6 of Supplemental Agreement 1.

**TABLE B
SUPPLEMENTAL AGREEMENT 1**

Item	Estimated Duration
Construction Services: Exhibit II – SA1: Exhibit A, January 21, 2020 Items B.1-6	390 Days from the Sponsor's issuance of a Notice to Proceed to the selected Construction Contractor

3. Table C identifies the planned schedule to complete the Scope of Services for items identified in B.1 of Supplemental Agreement 2 and the total time for the Original Agreement and Supplemental Agreement 2.

TABLE C
SUPPLEMENTAL AGREEMENT 2

Item	Estimated Duration
Basic Services: Exhibit II – SA2: Exhibit E, June 30, 2020 Item B.1	90 Days
Basic Services: Total Time for Original Agreement and Supplemental Agreement 2	360 Days from the Notice to Proceed