

Airport Name: Columbia Regional Airport
 Project No.: _____
 County: Boone

**AVIATION PROJECT CONSULTANT SUPPLEMENTAL AGREEMENT NO. 1
 CONSTRUCTION SERVICES**

THIS SUPPLEMENTAL AGREEMENT NO. 1 for Construction 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 07/08/2019, to accomplish a project at the Columbia Regional Airport related to engineering and architectural services for the procurement of a design-builder for the airport terminal, (hereinafter, "Original Agreement"); and

WHEREAS, the Sponsor and the Consultant now desire to enter into Supplemental Agreement No. 1 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. 1 are additional services which are beyond the scope of services provided in the Original Agreement. These additional professional services are generally described and defined in Section (16)(State) or (17)(Federal) of the Original Agreement and Exhibit II - SA1, 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. 1 shall be in addition to the cost of the Original Agreement.

(C) The maximum amount payable included in Section (8)(State) or (9)(Federal) of the Original Agreement are hereby modified to be cost plus fixed fee not to exceed as follows:

| | ORIGINAL AMOUNT | SUPPLEMENTAL AGREEMENT NO. 1 | TOTAL |
|------------------|-----------------|------------------------------|----------------|
| Max. Fee Payable | \$1,270,393.00 | \$1,211,796.00 | \$2,482,189.00 |

(D) Estimated costs for the services in Supplemental Agreement No. 1 are defined in Exhibit IV - SA1 and Exhibit V - SA1, 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 eight hundred and twenty (820) calendar days. The projected completion date shown on Exhibit VI is now revised as shown on Table A Original Agreement Amended and completed effective July 17, 2020 and as shown on Table B Supplemental Agreement 1, which includes time for performance of all remaining services in the Original Agreement and the services in Supplemental Agreement No. 1 and submittal of all deliverables.

(4) DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS:

(A) DBE Goal: The following DBE goal has been established for this Supplemental Agreement No. 1. 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 4.13% of the total Supplemental Agreement No. 1 dollar value.

(B) DBE Participation Obtained by Consultant: The Consultant has obtained DBE participation, and agrees to use DBE firms to complete 5.71% of the total services to be performed under this Supplemental Agreement No. 1 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 |
|--|---------------------------|--|---|---|
| Custom Engineering 1552 S. 7 th Street St. Louis, MO 63104 | Electrical | \$79,804.97 | \$79,804.97 | 5.30% |
| RDM International Inc. 14310 Sullyfield Circle, Suite 600 Chantilly, VA 20151 | Pavement Engineering | \$5,000.00 | \$5,000.00 | 0.41% |

(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. 1 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. 1. Exceptions (Subconsultant Information):

| FIRM NAME | COMPLETE ADDRESS | NATURE OF SERVICES |
|-------------------------------------|--|--|
| Wellner Architects, Inc. | 802 Broadway, 4 th floor Kansas City, MO 64105 | Architecture |
| Apple Designs, Inc. | 1318 Dale Street, Suite 200 Raleigh, North Carolina 27605 | Signage & Way Finding |
| Engineering Surveys and Services | 1113 Fay Street Columbia, MO 65201 | Material Testing & Third Party Inspection |

(6) ORIGINAL AGREEMENT: Except as otherwise modified, amended, or supplemented by this Supplemental Agreement No. 1, 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. 1.

IN WITNESS WHEREOF, the parties have entered into this Supplemental Agreement No. 1 on the date last written below.

Executed by the Consultant this 25th day of August, 2020.

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

CONSULTANT
Burns & McDonnell Engineering Company
Inc.

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

SPONSOR
City of Columbia, Missouri

By [Signature] 8/24/20
John Glascock
City Manager

ATTEST:
By [Signature] 8-25-2020
David G. Hadel
Manager, Aviation Services

ATTEST:
By _____
Sheela Amin
City Clerk

Approved as to Form:

By _____
Nancy Thompson
City Counselor/rv [Signature]

CERTIFICATION: I, hereby certify that this Agreement is within the purpose of the appropriation to which it is to be charged, Account Number 54416288-604023, AP111 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 - SA1

SCOPE OF SERVICES

EXHIBIT "A"
JULY 23, 2020
SCOPE OF SERVICES
FOR PROFESSIONAL ENGINEERING SERVICES
FOR
OWNER'S REPRESENTATIVE: DESIGN & CONSTRUCT NEW TERMINAL
BUILDING PHASE 1 – RFP#-17/2020
AT COLUMBIA REGIONAL AIRPORT

A. PROJECT NAME AND DESCRIPTION OF IMPROVEMENTS:

1. **Project Name:** Construction Services for the Design & Construct New Terminal Building Phase 1 project at the Columbia Regional Airport (COU).
2. **Description of Improvements:** The Consultant will serve as the Sponsor's Owner's Representative (OR) for the Design-Builder's design and construction of a new terminal building.

B. DESCRIPTION OF SERVICES TO BE PERFORMED:

Consultant has developed the following Scope of Services to perform Owner's Representative services for the aforementioned project. The Scope of Services is defined as follows:

1. **Project Assumptions:**

The following assumptions have been established for construction phase services:

 - a. The project duration as identified in RFP#-17/2020 indicates the project is to be completed within 730 calendar days from the Design-Builder's Notice to Proceed.
 - b. The scope of services is based in part from the solicitation schedule submitted to the Sponsor from perspective Design-Builder, Nabholz Construction Corporation (D-B) on April 17, 2020.
2. **Construction Administration Services – Office Staff:**
 - a. Provide project management for the duration of the project and basic project milestones. The basic project milestones include preliminary project preparation, design, construction, project closeout and a warranty review performed during the eleventh month of the D-B's Twelve-month warranty period. A total of 13 trips will be provided specific to project management.
 - b. Shop Drawing Submittal Reviews: Consultant anticipates that D-B will create 168 submittals for the Consultant to review. It is assumed 25% will be returned to the D-B for resubmittal. As a result, a total of 210 will be reviewed. All submittals shall be responded to as "for information only". Consultant assumes this effort will require an average of two hours to process each submittal for a not to exceed value of 420 hours.

Consultant's construction document review services are based on a limited scope of review, direction, information, and other constraints, including those of budget and time afforded or directed by Sponsor. Therefore, Consultant does not make any guarantee or warranty, express, implied, or otherwise, as to such services provided. The designer of record (DOR) shall continue to take full professional responsibility for the construction documents and Consultant's review of such construction documents shall not modify or change the DOR's responsibility for such documents nor make Consultant responsible for the construction documents. Consultant shall not become the DOR for any portion of the project. Sponsor hereby waives any and all claims against Consultant based on Consultant's good-faith performance of services under this Agreement, including but not limited to claims based on Consultant's analysis, findings, recommendations, or report concerning the construction documents.

- c. Change Orders: Consultant assumes a maximum of five change orders may be processed. Consultant assumes this effort will require an average of ten hours to process each potential change order.
- d. ***Preparation/Review of DBE Compliance: This task will be performed solely by the Sponsor.***
- e. Review of progress reports and submittals to the Federal Aviation Administration (FAA) as applicable:
 - i. ***Weekly Design Reports: These will be prepared by the D-B. The D-B shall distribute to the Sponsor and Consultant as a progress update. The Consultant assumes 40 weeks of design with each report requiring 0.5 hours of review for a not to exceed total of 20 hours.***
 - ii. Weekly Construction Reports: These reports will be prepared by the Consultant's Resident Project Representative (RPR). The RPR will distribute to the Sponsor's staff, and FAA (if requested) for review.
 - iii. FAA Quarterly Reports: These will be prepared by the Consultant using the applicable weekly design reports provided by the D-B and the weekly construction reports as provided by the Consultant.

Consultant assumes nine (9) quarterly reports with each report requiring 1.5 hours for a not to exceed total of 13.5 hours. The reports will be distributed to the Sponsor and FAA.
 - iv. Annual FAA SF424 and SF271 Reports: These will be prepared by the Consultant based on the monthly Consultant and D-B pay requests and Sponsor's Request For Reimbursements. prepared by the Consultant.

Consultant assumes three (3) annual reports each with each report requiring 1.5 hours for a not to exceed total of 9.0 hours. The reports will be distributed to the Sponsor and FAA.

- f. Attend monthly design meetings with the D-B and Sponsor via conference calls: Consultant assumes the duration of design is ten months. Regularly schedule teleconferences will be held one time per month for an assumed duration of one hour each. Consultant assumes ten meeting for no more than nine team members for a not to exceed 90 hours.

- g. Attend weekly construction meetings with D-B and Sponsor via conference calls: Consultant assumes the duration of construction is 72 weeks or approximately 16 months. Regularly scheduled teleconferences will be held one time per week for an assumed duration of one hour each. Using the April 17, 2020 construction schedule and packages provided by Nabholz Construction Corporation, Consultant assumes the following participation as follows:
 - i. Landside and Airside – 56 total weeks of construction:
Attendees and Duration: Project Manager and Senior Civil Engineer for 55 weeks for one hour per meeting and Structural Engineer for one hour per meeting for 13 weeks and a not to exceed team total of 123 hours.

 - ii. Building Structure – 14 total weeks of construction:
Attendees and Assumed Duration:
Project Manager: Hours include in item i. Landside and Airside.
Senior Architect: 13 hours.
Structural Engineer: 13 hours.
Mechanical Engineer: 13 hours.
Electrical Engineer: 13 hours.
Clerical: 13 hours.
Total not to exceed hours is 65 hours.

 - iii. Building Envelope – 16 total weeks of construction:
Attendees and Assumed Duration:
Project Manager*:
Senior Architect*: 11 hours.
Structural Engineer*: 11 hours.
Mechanical Engineer*: 11 hours.
Electrical Engineer*: 11 hours.
Fire Protection Engineer: 15 hours.
IT Specialist: 15 hours.
Clerical*: 12 hours.
Total not to exceed hours is 85.

*Other hours overlap with previous construction packages.

iv. Interior Finishes – 32 total weeks of construction:

Attendees and Assumed Duration:

Project Manager*: 6 hours.

Senior Architect*: 14 hours.

Structural Engineer*: 14 hours.

Mechanical Engineer*: 14 hours.

Electrical Engineer*: 14 hours.

Fire Protection Engineer*: 14 hours.

IT Specialist*: 14 hours.

Clerical*: 14 hours.

Total not to exceed hours is 104.

*Other hours overlap with previous construction packages.

v. Closeout – 11 total weeks of construction:

Attendees and Assumed Duration:

Project Manager*: 10 hours.

Senior Civil Engineer: 10 hours.

Senior Architect*: 10 hours.

Structural Engineer*: 10 hours.

Mechanical Engineer*: 10 hours.

Electrical Engineer*: 10 hours.

Fire Protection Engineer*: 10 hours.

IT Specialist*: 10 hours.

Clerical*: 10 hours.

Total not to exceed hours is 90.

*Other hours overlap with previous construction packages.

h. Attend predetermined construction meetings with D-B and Sponsor via on site: Consultant assumes the duration of construction is 72 weeks or approximately 16 months. On site meetings are established as place holders and will be utilized based on the D-B's actual schedule. Consultant assumes the following participation as follows:

i. Landside and Airside:

Attendees and Duration:

Project Manager: 1 trip at 10 hours.

Senior Civil Engineer: 1 trip at 10 hours.

Structural Engineer: 1 trip at 10 hours.

Total not to exceed hours is 30 hours.

ii. Building Structure:

Attendees and Assumed Duration:

Project Manager: 1 trip at 10 hours.

Staff Civil Engineer: 1 trip at 10 hours.

Senior Architect: 1 trip at 10 hours.
Structural Engineer: 1 trip at 10 hours.
Mechanical Engineer: 1 trip at 10 hours.
Electrical Engineer: 1 trip at 10 hours.
Total not to exceed hours is 60 hours.

iii. Building Envelope:
Attendees and Assumed Duration:
Project Manager: 1 trip at 10 hours.
Staff Civil Engineer: 1 trip at 10 hours.
Senior Architect: 1 trip at 10 hours.
Structural Engineer: 1 trip at 10 hours.
Mechanical Engineer: 1 trip at 10 hours.
Electrical Engineer: 1 trip at 10 hours.
Fire Protection Engineer: 1 trip at 10 hours.
IT Specialist: 1 trip at 10 hours.
Total not to exceed hours is 80.

iv. Interior Finishes:
Attendees and Assumed Duration:
Project Manager: 2 trips at 10 hours each.
Senior Architect: 2 trips at 10 hours each.
Staff Architect: 2 trips at 10 hours each.
Mechanical Engineer: 2 trips at 10 hours each.
Electrical Engineer: 2 trips at 10 hours each.
Fire Protection Engineer: 2 trips at 10 hours each.
IT Specialist: 2 trips at 10 hours each.
Total not to exceed hours is 140.

- i. Provide coordination with the 1% Art Program Project and Sponsor staff: Consultant assumes the duration of these meetings is one hour per meeting for two people via conference call for a total of 9 meetings and a not to exceed 18 hours.
- j. Provide coordination with the Transportation Security Administration (TSA): A total of 108 hours has been allocated for this direct effort with TSA.
- k. Review D-B Pay Applications and Coordinate with Sponsor: A total of 26 events are estimated with a duration of 2.5 hours per month for a total of 65 hours.
- l. Review D-B Project Schedule: This will be performed by the Consultant's Project Manager, Scheduler, Sponsor, and the D-B. This will be performed on as needed basis for an estimated 2.5 hours per month for a 26-month

duration. The updates will be discussed at the regularly schedule weekly meetings.

- m. Coordinate and review weekly quality assurance material testing results and quality control testing results as provided by the D-B's quality control team.

3. **Limited Construction Observation and Administration – City Performed with OR Oversight:**

- a. The Sponsor shall provide an onsite Resident Project Representative (RPR) for 5 consecutive days at 4 hours per day per week for a total of 72 weeks. The RPR will report to the OR Project Manager and be responsible for the daily reporting documentation. The RPR will be responsible for the following reporting:
 - i. Weekly Reports: The RPR shall gather copies of all tests reports including types of tests taken, applicable standards, location of tests, tests results (highlighting those tests which fail specification requirements), provisions for failed tests, and specification requirements shall be recorded and filed in a timely and orderly manner and shall be made available for review by the Sponsor and FAA (if requested).

A photo log showing the progress of the project will also be included. The Weekly Reports will be submitted on a weekly basis to the OR Project Manager, Sponsor and FAA (if requested).

- b. The OR will coordinate directly with the RPR for the purpose of project updates and scheduling of activities as identified in the schedule as provided and maintained by the D-B. The OR will additionally provide the following services in support of the RPR:
 - i. Bimonthly field visits: Project team members as directed by the OR Project Manager shall perform onsite visits on a bimonthly basis as based on the key milestones identified on the project schedule and as jointly determined by the Sponsor and the OR.

4. **Contractor (D-B) Project Initiation:** This includes activities for providing assistance to the Sponsor with final contract negotiations. These services are included in the existing Consultant agreement as signed on July 8, 2019.

5. **Sponsor / Stakeholder Milestone Meetings and Reviews During Design:** This includes activities for identifying key milestones during the course of design and confirming adherence to the project Basis of Design (BOD) as was used by the D-B to develop their proposal and associated schedule. The specific elements of work include:
- a. Attend Kick-off Meeting (Direct Team): This meeting will include the Sponsor, D-B and Consultant. The purpose of this meeting is to identify roles, schedule a kick-off meeting with the FAA, and general program expectations. This will be conducted on site. The D-B will lead this meeting.

- b. Attend Design Work Session 1.: This meeting will include the Sponsor, D-B and Consultant. The purpose of this meeting is to discuss the D-B's work prepared to date and plan ahead. This will be conducted on site. The D-B will lead this meeting.
- c. Attend Design Work Session 2.: This meeting will include the Sponsor, D-B, Consultant and FAA (if available). The purpose of this meeting is to discuss the elements of work identified in Work Session 1 and update the project schedule. This will be conducted on site. The D-B will lead this meeting.
- d. One Hundred Percent (100%) Design Review, Package 1:
Based on the D-B's RFP submitted schedule, Package 1 will generally include landside and airside work and building footing and foundations. Per the BOD, the Consultant will be allocated three weeks to complete the review of the D-B's 100% completed documents. The review will focus on the D-B's adherence to the BOD document.
- e. One Hundred Percent (100%) Design Review Meeting, Package 1:
This will be an onsite meeting at a location to be identified by the Sponsor and Consultant. This will be a single day event and include all applicable program team members.
- f. Fifty Percent (50%) Design Review, Package 2:
Based on the D-B's RFP submitted schedule, Package 2 will generally include the building construction package which will include the Building Structure, Building Envelope, and Interior Finishes. Per the BOD, the Consultant will be allocated three weeks to complete the review of the D-B's 50% completed documents. The review will be focused on the D-B's adherence to the BOD document.
- g. Fifty Percent (50%) Design Review Meeting, Package 2:
This will be an onsite meeting at a location to be identified by the Sponsor and Consultant. This will be a single day event and include all applicable program team members.
- h. One Hundred Percent (100%) Design Review, Package 2:
Based on the D-B's RFP submitted schedule, Package 2 will generally include the building construction package which will include the Building Structure, Building Envelope, and Interior Finishes. Per the BOD, the Consultant will be allocated three weeks to complete the review of the D-B's 100% completed documents. The review will be focused on the D-B's adherence to the BOD document and confirmation of the incorporation of the 50% design review comments.

- i. One Hundred Percent (100%) Design Review Meeting, Package 2:
This will be an onsite meeting at a location to be identified by the Sponsor and Consultant. This will be a single day event and include all applicable program team members.
 - j. Construction Safety and Phasing Plan (CSPP): Prior to the D-B's submittal of the CSPP to the FAA, the Consultant will review the CSPP to confirm the plan is consistent with previous and current project requirements and operations at Columbia Regional Airport. This does not relieve the responsibility of the D-B to obtain an approved CSPP for the project.
6. **Commissioning:** The Consultant will provide commissioning services to verify the building systems are performing within the parameters intended. The purpose of commissioning is to identify issues with newly installed equipment, provide suggestions to the D-B and confirm they have been corrected prior to final acceptance by the Sponsor.

Assumptions: Consultant assumes the D-B will comply with the "Duties of General DB and their Subcontractors" as defined on page 21, 6. Commissioning as stated in RFP#-17/2020 in the BOD.

The equipment programmed for testing and/or observation for testing as provided by the D-B are identified as follows:

- a. Central Building Automation System.
 - b. All equipment of the heating, ventilating and air conditioning systems.
 - c. Lighting and lighting control systems and clock systems scheduled or occupancy sensor lighting controls.
 - d. Daylight dimming controls and interior dimming system controls.
 - e. Emergency power generators and automatic transfer switching.
 - f. Fire protection and life safety systems.
 - g. Domestic cold and hot water pumping systems.
 - h. Data and communication.
 - i. Paging systems.
 - j. Security Systems.
 - k. Sustainability features.
 - l. Preconditioned air systems for aircraft.
 - m. Passenger Boarding Bridges.
7. **Construction Closeout:** This includes activities for providing a final project walk through, project closeout documentation and obtaining a record set of drawings conforming to construction records drawings from the D-B. The specific elements of work include:
- a. Perform Pre-final Punch List Observations: The Consultant will prepare the pre-final project punch list. A pre-final walk through will be performed by the Sponsor, FAA (if available) and members of the Consultant's Team.

- b. Perform Final Punch List Observations: The Consultant will prepare the final project punch list. A final walk through will be performed by the Sponsor, FAA (if available) and members of the Consultant's Team.
 - c. Confirm receipt of all required record keeping documents from the D-B.
 - d. Confirm receipt of all required Operations and Maintenance Manuals from the D-B.
 - e. Warranty Review: Perform a Warranty Review of the project within the eleventh month of the warranty period.
 - f. Final Construction Report: The Consultant will prepare and submit to the Sponsor and FAA (as requested) a final construction report. The report will be a composite of all recorded documentation received from the RPR, D-B and testing performed as part of the quality assurance efforts. The report shall include the pay reductions applied and justification of accepting any out-of-tolerance materials. These documents will be provided to Sponsor and FAA (as requested) within 90 calendar days after project final acceptance.
 - g. Obtain from the D-B for review, a prefinal copy of the as-built Airport Layout Drawings and associated drawings directly affected by the project work area. The final document shall be prepared by the D-B and forwarded to the Sponsor and FAA for final approval.
8. **(DBE) Pavement Consultant:** The Pavement Consultant will provide pavement related interpretations of the Basis of Design document and be available for pavement related consultation during construction.
9. **Material Testing – Quality Assurance:** The Consultant will provide, through the services of a certified and accredited material testing laboratory, all quality assurance testing in accordance with the Contract Documents for paving systems, footings, and foundations.
10. **Third Party Building Inspection Services:** The Consultant will provide, the following building inspections services:
- a. Masonry Inspection and grout/mortar testing:
Consultant assumes 120 hours of reinforcement inspection and monitoring grouting operations and four sets of block prisms cast on site and the assemblies are tested for compressive strength.
 - b. Structural Steel and Concrete Reinforcement Observations:
Consultant assumes 80 hours for observation of bolted connections, beam welds, and shear studs.

Consultant assumes 205 hours for concrete reinforcement observation for footing, walls, Slab on Grade, columns, and roof deck.

- c. Fire Proofing Testing:
Consultant assumes 60 hours for thickness, density, and adhesion/cohesion testing of fire resistive material.
- d. Window Glazing:
Consultant assumes 40 hours for technicians to perform water spray testing.
- e. Subconsultant Management: Subconsultant shall attend weekly meetings as may be required and directed by the Consultant. Subconsultant effort for this task will not exceed 78 total hours.

- 11. **Additional Sponsor Meeting Request Services:** At the direction of the Sponsor and as an on-call service, the Consultant will attend additional meetings that may be required but not currently identified. These meetings may include the following:
 - a. Airport Program and Financial Status Meetings via teleconference:
Attend, chair, prepare meeting agendas and minutes for 16 meetings for a not to exceed total of 40 hours.
 - b. Airport Program and Financial Status Meetings via onsite:
Attend, chair, prepare meeting agendas and minutes for 4 meetings for a not to exceed total of 40 hours.
 - c. Miscellaneous teleconferences required with the Consultant team:
This task will serve as a placeholder for meetings occurring between the Sponsor and Consultant's team to discuss items that are required and beyond the proposed scope of work. This task assumes a not to exceed total of 65 hours.

C. ESTIMATED TIME OF COMPLETION:

- 1. The time to complete the Scope of Services for items identified in Section B of this Scope of Work excluding item B.7.e is estimated at Eight Hundred Twenty (820) calendar days from the D-B's Notice to Proceed.

D. ESTIMATED SCHEDULE OF COSTS:

1. Based on the scope of work defined, the estimated schedule of costs is summarized in Table A.

| TABLE A | | |
|---|---|------------------------------|
| Summary of Scheduled Costs | | |
| Item of Service | Description | Cost |
| Basic | Construction Administration Services – Office Staff: | \$467,087.00 |
| Basic | Limited Construction Observation & Administration – City Performed with OR Oversight: | \$174,765.00 |
| Basic | D-B Project Initiation: | \$0.00 |
| Basic | Sponsor / Stakeholder Milestone Meetings & Reviews During Design: | \$211,584.00 |
| Basic | Commissioning: | \$99,622.00 |
| Basic | Construction Closeout: | \$67,538.00 |
| <i>Subtotal</i> | | <i>\$1,020,596.00</i> |
| Special | (DBE) Pavement Consultant: | \$5,000.00 |
| Special | Material Testing – Quality Assurance: | \$57,660.00 |
| Special | Third Party Building Inspection Services: | \$92,340.00 |
| Special | Additional Sponsor Meeting Request Services: | \$36,200.00 |
| <i>Subtotal</i> | | <i>\$191,200.00</i> |
| *Total Estimated Schedule of Cost for Basic & Special Services (Not to Exceed) | | <i>\$1,211,796.00</i> |

*Details are provided on Exhibits 1 and 2 attached.

END OF SOW

EXHIBIT IV - SA1

DERIVATION OF CONSULTANT PROJECT COSTS (CONSTRUCTION)

SUPPLEMENTAL AGREEMENT NO. 1 - EXHIBIT IV - SA1

DERIVATION OF CONSULTANT PROJECT COSTS

SUMMARY OF COSTS

OWNER'S REPRESENTATIVE: DESIGN & CONSTRUCT NEW TERMINAL BUILDING PHASE 1 - RFP#-17/2020

CONSTRUCTION PHASES SERVICES AS OWNER'S REPRESENTATIVE (OR)

Columbia Regional Airport

BASIC & SPECIAL SERVICES

July 23, 2020

1 DIRECT SALARY COSTS

| TITLE | HOURS | RATE/HR | COST (\$) | | |
|--------------------------------|----------|----------|---------------|-------|----------|
| | | | Office | Field | Contract |
| Principal | 24.00 | \$ 75.41 | \$ 1,809.84 | \$ - | \$ - |
| Project Manager | 1,310.60 | \$ 74.25 | \$ 97,312.05 | \$ - | \$ - |
| Sr. Civil Engineer | 283.00 | \$ 58.55 | \$ 16,569.65 | \$ - | \$ - |
| Staff Civil Engineer | 151.00 | \$ 41.00 | \$ 6,191.00 | \$ - | \$ - |
| Sr. Architect | 62.00 | \$ 60.00 | \$ 3,720.00 | \$ - | \$ - |
| Staff Architect | 5.00 | \$ 45.00 | \$ 225.00 | \$ - | \$ - |
| Sr. Structural Engineer | 129.00 | \$ 71.10 | \$ 9,171.90 | \$ - | \$ - |
| Staff Structural Engineer | 169.00 | \$ 55.00 | \$ 9,295.00 | \$ - | \$ - |
| Sr. Mechanical Engineer | 81.50 | \$ 68.00 | \$ 5,542.00 | \$ - | \$ - |
| Staff Mechanical Engineer | 107.50 | \$ 55.00 | \$ 5,912.50 | \$ - | \$ - |
| Sr. Electrical Engineer | 73.50 | \$ 67.00 | \$ 4,924.50 | \$ - | \$ - |
| Staff Electrical Engineer | 90.70 | \$ 46.55 | \$ 4,222.09 | \$ - | \$ - |
| Quality Controller / Scheduler | 32.50 | \$ 62.65 | \$ 2,036.13 | \$ - | \$ - |
| Fire Protection Specialist | 193.00 | \$ 65.00 | \$ 12,545.00 | \$ - | \$ - |
| IT Specialist | 370.00 | \$ 70.00 | \$ 25,900.00 | \$ - | \$ - |
| Commissioning Specialist | 394.00 | \$ 65.00 | \$ 25,610.00 | \$ - | \$ - |
| Sr. Airfield Planner | 32.00 | \$ 42.00 | \$ 1,344.00 | \$ - | \$ - |
| Billing Clerk | 78.00 | \$ 35.00 | \$ 2,730.00 | \$ - | \$ - |
| Clerical | 347.00 | \$ 23.00 | \$ 7,981.00 | \$ - | \$ - |
| Total Hours | 3,933.30 | | | | |
| Total Direct Salary Costs | | | \$ 243,041.65 | \$ - | \$ - |

2 LABOR & GENERAL ADMINISTRATIVE OVERHEAD

| | | | | |
|--|---------|---------------|------|--|
| a. Percentage of Direct Salary Cost: (Office Rate) | 219.39% | \$ 533,209.08 | | |
| b. Percentage of Direct Salary Cost: (Field Rate) | 219.39% | | \$ - | |

3 SUBTOTAL

Summary of Items No. 1 and No. 2 (a,b,c): \$ 776,250.73 \$ - \$ -

4 PROFIT/FIXED FEE:

Percentage: 10.00% \$ 77,625.07 \$ - \$ -

5 SUBTOTAL

Summary of Items No. 1, No. 2 & No. 4: (Not to Exceed Fee) \$ 853,875.80 \$ - \$ -

SUPPLEMENTAL AGREEMENT NO. 1 - EXHIBIT IV - SA1

DERIVATION OF CONSULTANT PROJECT COSTS

SUMMARY OF COSTS

OWNER'S REPRESENTATIVE: DESIGN & CONSTRUCT NEW TERMINAL BUILDING PHASE 1 - RFP#-17/2020

CONSTRUCTION PHASES SERVICES AS OWNER'S REPRESENTATIVE (OR)

Columbia Regional Airport

BASIC & SPECIAL SERVICES

July 23, 2020

6 OUT OF POCKET EXPENSES

| OFFICE | No. of Units | Units | Cost/Unit | | | | | |
|---------------------------------|--------------|---------|-----------|----|------------------|----|---|------|
| Travel: Mileage | 32,640.00 | Miles | \$ 0.575 | \$ | 18,768.00 | | | |
| Food: Per Diem | 160.00 | Per Day | \$ 55.00 | \$ | 8,800.00 | | | |
| Lodging: Per Diem (incl. taxes) | 60.00 | Per Day | \$ 115.20 | \$ | 6,912.00 | | | |
| Rental Vehicle | 0.00 | Days | \$ 65.00 | \$ | - | | | |
| Airline | 0.00 | Trip | \$ 0.00 | \$ | - | | | |
| Printing, Shipping & Misc. | | | | \$ | 4,251.20 | | | |
| Subtotal | | | | \$ | 38,731.20 | \$ | - | \$ - |

Summary of Out of Pocket Expenses: (Not to Exceed) \$ 38,731.20 \$ - \$ -

7 SUBCONSULTANTS

| | | | |
|---------------------------------------|-------------|-------------|----------------------|
| Custom Electric | \$ - | \$ - | \$ 64,236.29 |
| RDM | \$ - | \$ - | \$ 5,000.00 |
| Wellner Architects | \$ - | \$ - | \$ 79,804.97 |
| Apple Designs | \$ - | \$ - | \$ 20,147.74 |
| ESS - Third Party Building Inspection | \$ - | \$ - | \$ 92,340.00 |
| ESS - Material Testing (QA) | \$ - | \$ - | \$ 57,660.00 |
| Subtotal (Not to Exceed) | \$ - | \$ - | \$ 319,189.00 |

8 MAXIMUM TOTAL FEE

Subtotal \$ 892,607.00 \$ - \$ 319,189.00

| | | | |
|------------------------------|-----------|--|---------------------|
| TOTAL (Not to Exceed) | \$ | | 1,211,796.00 |
|------------------------------|-----------|--|---------------------|

EXHIBIT V - SA1

ENGINEERING CONSTRUCTION SERVICES-COST BREAKDOWN

SUPPLEMENTAL AGREEMENT NO. 1 - EXHIBIT V - SA1

DERIVATION OF CONSULTANT PROJECT COSTS
 SUMMARY OF COSTS
 OWNER'S REPRESENTATIVE: DESIGN & CONSTRUCT NEW TERMINAL BUILDING PHASE 1 - RFP#-17/2020
 CONSTRUCTION PHASES SERVICES AS OWNER'S REPRESENTATIVE (OR)
 Columbia Regional Airport
 BASIC & SPECIAL SERVICES
 July 23, 2020

| | Principal | Project Manager | Sr. Civil Engineer | Staff Civil Engineer | Sr. Architect | Staff Architect | Sr. Structural Engineer | Staff Structural Engineer | Sr. Mechanical Engineer | Staff Mechanical Engineer | Sr. Electrical Engineer | Staff Electrical Engineer | Quality Controller / Scheduler | Fire Protection Specialist | IT Specialist | Geotechnical Engineer | Commissioning Specialist | Sr. Airfield Planner | Billing Clerk | Clerical | Other Costs | |
|----------------------------------|---|------------------------|--------------------|----------------------|---------------|-----------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|--------------------------------|----------------------------|---------------|-----------------------|--------------------------|----------------------|---------------|-------------|--------------|------------------------|
| Gross Hourly Rates | \$ 264.94 | \$ 260.86 | \$ 205.70 | \$ 144.04 | \$ 210.80 | \$ 158.10 | \$ 249.79 | \$ 193.23 | \$ 238.90 | \$ 193.23 | \$ 235.39 | \$ 163.54 | \$ 220.11 | \$ 228.36 | \$ 245.93 | \$ 210.80 | \$ 228.36 | \$ 147.56 | \$ 122.97 | \$ 80.81 | | |
| BASIC SERVICES | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Construction Administration Services - Office Staff: | 24.0 | 489.6 | 163.0 | 46.0 | 52.0 | 0.0 | 39.0 | 104.0 | 23.5 | 71.5 | 23.5 | 54.7 | 32.5 | 100.0 | 233.0 | 0.0 | 0.0 | 0.0 | 78.0 | 339.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 467,087.00 | \$ 6,358.49 | \$ 127,717.93 | \$ 33,529.61 | \$ 6,626.06 | \$ 10,961.46 | \$ - | \$ 9,742.00 | \$ 20,096.02 | \$ 5,614.24 | \$ 13,816.01 | \$ 5,531.68 | \$ 8,945.84 | \$ 7,153.50 | \$ 22,836.39 | \$ 57,301.76 | \$ - | \$ - | \$ - | \$ 9,591.28 | \$ 27,393.12 | \$ 93,871.61 |
| 2 | Limited Construction Observation & Administration - City Performed with OR Oversight: | 0.0 | 592.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 174,765.00 | \$ - | \$ 154,430.18 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,739.08 | \$ - | \$ 1,471.89 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 17,123.85 |
| 3 | D-B Project Initiation: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 4 | Sponsor / Stakeholder Milestone Meetings & Reviews During Design: | 0.0 | 86.0 | 88.0 | 20.0 | 0.0 | 0.0 | 90.0 | 52.0 | 34.0 | 22.0 | 34.0 | 22.0 | 0.0 | 72.0 | 108.0 | 0.0 | 16.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 211,584.00 | \$ - | \$ 22,434.11 | \$ 18,101.88 | \$ 2,880.90 | \$ - | \$ - | \$ 22,481.54 | \$ 10,048.01 | \$ 8,122.73 | \$ 4,251.08 | \$ 8,003.27 | \$ 3,597.96 | \$ - | \$ 16,442.20 | \$ 26,560.47 | \$ - | \$ 3,653.82 | \$ - | \$ - | \$ - | \$ 65,006.03 |
| 5 | Commissioning: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 99,622.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 86,321.54 | \$ - | \$ - | \$ - | \$ 13,300.46 |
| 6 | Construction Closeout: | 0.0 | 43.0 | 32.0 | 80.0 | 0.0 | 0.0 | 8.0 | 24.0 | 0.0 | 16.0 | 0.0 | 0.0 | 16.0 | 24.0 | 0.0 | 0.0 | 32.0 | 0.0 | 8.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 67,538.00 | \$ - | \$ 11,217.06 | \$ 6,582.50 | \$ 11,523.59 | \$ - | \$ - | \$ 1,545.85 | \$ 5,733.69 | \$ - | \$ 3,766.25 | \$ - | \$ - | \$ 3,653.82 | \$ 5,902.33 | \$ - | \$ - | \$ 4,721.86 | \$ - | \$ 646.45 | \$ - | \$ 12,244.61 |
| PART A SUBTOTAL | | \$ 1,020,596.00 | | | | | | | | | | | | | | | | | | | | |
| SPECIAL SERVICES | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (DBE) Pavement Consultant: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 5,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,000.00 |
| 3 | Material Testing - Quality Assurance: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 57,660.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 57,660.00 |
| 4 | Third Party Building Inspection Services: | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 92,340.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 92,340.00 |
| 7 | Additional Sponsor Meeting Request Services: | 0.0 | 100.0 | 0.0 | 5.0 | 10.0 | 5.0 | 0.0 | 5.0 | 0.0 | 5.0 | 0.0 | 5.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Sum: (1, 2, 3, 4, & 5) |
| Total = | \$ 36,200.00 | \$ - | \$ 26,086.18 | \$ - | \$ 720.22 | \$ 2,107.97 | \$ 790.49 | \$ - | \$ 966.15 | \$ - | \$ 966.15 | \$ - | \$ 817.72 | \$ - | \$ 1,141.82 | \$ 1,229.65 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,373.63 |
| PART B SUBTOTAL | | \$ 191,200.00 | | | | | | | | | | | | | | | | | | | | |
| PART A & PART B TOTAL | | \$ 1,211,796.00 | | | | | | | | | | | | | | | | | | | | |

(1) Mileage, Motel & Meals (3) Computer Services (5) Miscellaneous Items Note: Subconsultant Costs (as used) are identified as a Special Services Task.
 (2) Equipment, Materials & Supplies (4) Vendor Services

EXHIBIT VI

PERFORMANCE SCHEDULE

ORIGINAL AND SUPPLEMENTAL AGREEMENT 1

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.6 of this Scope of Work.

**TABLE A
ORIGINAL AGREEMENT AMENDED**

| Item | Estimated Duration |
|--|-----------------------------------|
| Outline of Program & Define Scope of Work and Fee | July 2019 – August 31, 2019 |
| Package No. 1, 2 & 3 Administration (Owner's Representative) – (Preconstruction) | July/August 2019 – May 31, 2020 |
| Package No. 1: Preparation of Bridging Documents (Basis of Design) (15% Estimated Level of Completion) | August 1, 2019 – December 1, 2019 |
| Package No. 2: Preparation of Bridging Documents (Basis of Design) (15% Estimated Level of Completion) | August 1, 2019 – December 1, 2019 |
| Package No. 3: Preparation of Bridging Documents (Basis of Design) (15% Estimated Level of Completion) | August 1, 2019 – December 1, 2019 |
| Procure D/B Contractor | August 22, 2019 – March 31, 2020 |
| Actual Original Agreement Completion Date | July 17, 2020 |

**TABLE B
SUPPLEMENTAL AGREEMENT 1**

| Item | Estimated Duration |
|--|---|
| Owner Notice to Proceed Date | 1 Day: August 27, 2020 |
| Scope of Services B.1 – B.11 excluding B.7.e | 820 Days: August 27, 2020 – November 25, 2022 |
| Scope of Services B.7.e | To be coordinated between Sponsor and Consultant but within the Construction Contractor's One-Year Warranty Period after Sponsor's Final Acceptance of Construction Project |