

TASK ORDER NUMBER 2

This Task Order is made as of this 6th day of November, 2019, under the terms and conditions established in the CONTRACT AGREEMENT FOR PROFESSIONAL SERVICES, dated May 1st, 2019 (the Agreement), between Savannah Airport Commission (Owner) and Pond & Company (Architect/Engineer). This Amendment is made for the following purpose:

Section A. – Description of Services

Background

The purpose of this task order is to define the program requirements for the development of a new Air Cargo Facility located on the current Airport Master Plan for the Savannah Hilton Head International Airport. This concept study will provide plan to meet the demands of both current and future Air Cargo Operations at the airport. The refined program requirements, conceptual site plan, conceptual floor plans and construction cost estimate will be developed through field investigations, extensive interviews with the Stakeholders, and planning and preliminary design charrettes.

Key activities and investigations will include the following:

- Coordinate with Savannah Airport Commission staff, Air Cargo Stakeholders and regulatory Agencies (DHS/TSA and CBP).
- Develop preliminary sketches for the new compound, incorporating user program requirements.
- Develop Pre-design documents that include conceptual architectural, mechanical, electrical, communications, structural, fire protection, and civil requirements.
- Prepare a detailed preliminary construction cost estimate.
- Prepare a proposed project phasing plan.

The Air Cargo facilities at Savannah-Hilton Head International Airport are being relocated and expanded to a site north of the GA FIS Facility along the north side of Gulfstream Road and west of Taxiway "A". The current goal for the completion of construction for the Air Cargo Facility Project is estimated to be in December 2021. The Air Cargo Facility Project consists of three primary components: 1) The construction of the Air Cargo Building(s) on the North side of the new GA FIS Facility, along the north side of Gulfstream Road and West of Taxiways "A" & "G". The Air Cargo Building(s) are anticipated to be 150,000-200,000 square feet and include 120,000 square feet of Cargo processing and sorting facilities for FEDEX. 2) A new Aircraft Parking Apron will be sited to accommodate 5 – Boeing 767 cargo aircraft. The Airside pavements will be designed under a separate task order by AECOM. 3) Construction of administrative office space, customs/immigration facilities as well as specialty handling facilities, such as refrigeration.

The Architect/Engineer will partner with the SAC in developing and finalizing the scope of the Air Cargo Facility Project for the design, permitting, construction, commissioning and activation and turn over to the Owner of the Project. The Architect/Engineer will provide all services, labor, materials, plans, necessary to complete the Work according to this Pre-Design Agreement.

Completion of the Validation Period Scope of Work, for the purpose of confirming the Air Cargo Facility Project scope of work, budget and schedule established by SAC. The Validation Period Scope of Work includes, but is not limited to the following:

- Review of all Program Definition Documents provided by SAC upon award;
- Review programming and planning assumptions;
- Preparation of design alternatives;
- Development of a conceptual design;
- Establishment of Air Cargo Facility Project Design and Construction Budget;
- Establishment of the Air Cargo Facility Project Schedule;
- Review of public utility studies, surveys and coordination;
- Utility identification and locating (in existing facilities and underground);
- Document existing conditions including current state of all existing systems;
- Environmental testing;
- Development of initial BIM model;
- Evaluation of existing utility services;
- Preliminary Geotechnical engineering and testing.

- Cost estimating, tracking and reporting.
- Phasing and scheduling design and construction in a complex facility in active operation with minimum disruption to ongoing operations of the airport and tenants.
- Coordination and collaboration with Stakeholders, SAC staff, consultants and representatives.

Stakeholders for the Air Cargo Facility Project include but are not limited to:

Savannah Airport Commission (Including airport departments such as operations, security, maintenance, ground transportation, etc.);
 CBP;
 Airlines;
 SAC tenants and concessionaires;
 TSA and DHS;
 FAA; and
 The public.

Subsequent to this Project Programming Task Order completion, it is anticipated that SAC and the Architect/Engineer will enter the contract document development phase of the project. The design milestone activities are anticipated to include the following activities for both AECOM and POND designs (but are not authorized under this task order):

CONTRACT DOCUMENT DEVELOPMENT The Contract Document Development phase includes design development and preparation of working drawings and specifications, and culminates with 100% complete design documents that are ready for contracting.

Preliminary Design Submittal (30% Design) The Early Preliminary Design submittal is important as it allows the SAC and stakeholders to review the Architect/Engineer's design intentions and to confirm that the Architect/Engineer understands all project requirements. This is the best point in the Contract Document development phase to check on design development efforts, make corrections to the design development documents, and incorporate project criteria changes.

Typical Early Preliminary Design submittals include items such as:

- An updated parametric cost estimate.
- Any changes necessary to comply with the charrette report review comments.
- Further developed site plans, floor plans, elevations, building sections, and wall sections.
- Design narrative and analysis including code analysis by all disciplines (civil, architectural, structural mechanical, plumbing, power and lighting, communications, fire detection/protection, life safety etc)
- Single line schematic drawings for mechanical, electrical, communications, etc.
- Comprehensive Interior Design (CID) plans if authorized.
- Color boards.
- Preliminary furniture footprints.
- Environmental permitting and Sustainable development requirements.
- A listing of the proposed specifications for the project.
- Value engineering considerations.
- Check status of any required waivers or exemptions.

Design Development Submittal (60% Design) At this stage, all basic design decisions should have been made, and design development is in full progress.

Formal Preliminary Design submittals may be necessary for complex or unique projects and projects with significant HVAC or industrial operations requirements. Typical Preliminary Design submittals include:

- An updated, detailed cost estimate
- Any changes necessary to comply with the Early Preliminary Design review comments
- Complete floor plans with details
- Roof plans
- Elevations
- Building sections
- Structural, mechanical, plumbing, communication, and electrical plans with details
- CID plans (if required)
- Furniture footprints

- Color boards and materials
- Site and landscaping plans
- All the analyses and discussions that were part of the Early Preliminary Design submittal
- Specifications in rough draft
- Updated design analysis
- Check status of any required waivers or exemptions

Equipment layouts with necessary clearances and utility support should also be shown at this stage of design.

Pre-Final Design Submittal (90% Design) The Architect/Engineer must submit the drawings and specifications as ready-to-advertise (RTA). The Pre-Final Design submittal includes:

- An updated, detailed cost estimate
- Any changes necessary to comply with the Preliminary Design review comments
- Complete plans and specifications
- Final design analysis
- Color boards and finishes
- Check status of any required waivers or exemptions

Corrected Final Design Submittal (100% Design) The Corrected Final Design submittal should include:

- An updated, detailed cost estimate
- Any changes necessary to comply with the Pre-Final Design review comments
- Any corrections to the final design analysis
- Color boards and finishes
- Cost estimate

Ready to Advertise (RTA) The project is considered RTA once the following activities are completed:

- The Architect/Engineer has submitted the Corrected Final Design documents (working drawings, specifications, and cost estimate)
- The Airport Staff have completed a technical and constructability review of the completed working drawings and specifications
- If necessary, the Architect/Engineer has modified the working drawings, specifications, and cost estimate to comply with concerns identified during SAC's technical and constructability review

Section B. – Schedule

B.1. Architect/Engineer shall perform the Services and deliver the related Documents (if any) according to the following schedule:

The Final Programming Report will be delivered to SAC on December 21, 2019

Section C. - Compensation

C.1. In return for the performance of the foregoing obligations, Owner shall pay to Engineer an amount not to exceed **\$178,287.76**, payable according to the following terms:

Pre-Charrette:

Program Manager.....	\$324.18 / hr x 16 hrs	\$5,186.88
Clerical / Admin	\$96.32 / hr x 4 hrs	\$ 385.28
Pre-Charrette Subtotal		\$5,572.16

Charrette:

Program Manager.....	\$324.18 / hr x 48 hrs	\$15,560.64
Senior Architect	\$234.93 / hr x 48 hrs	\$11,276.64
Junior Architect	\$126.86 / hr x 48 hrs	\$ 6,089.28
Senior Civil Engineer	\$235.46 / hr x 40 hrs	\$ 9,418.40
Senior Electrical Engineer	\$231.16 / hr x 32 hrs	\$ 7,397.12
Senior Mechanical Engineer.....	\$214.61 / hr x 32 hrs	\$ 6,867.52
Senior Fire Protection Engineer	\$214.61 / hr x 32 hrs	\$ 6,867.52
Rental Car	\$80.00 / day x 6 days	\$ 480.00
Gasoline	\$50.00 / trip x 6 trips	\$ 300.00

Hotel	\$134.00 / night x 20 nights	\$ 2,680.00
Meals	\$65.00 / day x 32 days	\$ 2,080.00
Charrette Subtotal		\$69,017.12

Scope Validation and Concept Design:

Program Manager	\$324.18 / hr x 40 hrs	\$12,967.20
Senior Architect	\$234.93 / hr x 36 hrs	\$ 8,457.48
Junior Architect	\$126.86 / hr x 80 hrs	\$10,148.80
Senior Civil Engineer	\$235.46 / hr x 60 hrs	\$14,127.60
Junior Civil Engineer	\$113.96 / hr x 112 hrs	\$12,763.52
Senior Electrical Engineer	\$231.16 / hr x 16 hrs	\$ 3,698.56
Junior Electrical Engineer	\$111.37 / hr x 24 hrs	\$ 2,672.88
Senior Mechanical Engineer	\$214.61 / hr x 12 hrs	\$ 2,575.32
Junior Mechanical Engineer	\$118.26 / hr x 16 hrs	\$ 1,892.16
Senior Structural Engineer	\$213.21 / hr x 16 hrs	\$ 3,411.36
Senior Fire Protection Engineer	\$214.61 / hr x 16 hrs	\$ 3,433.76
Clerical / Admin	\$96.32 / hr x 8 hrs	\$ 770.56
Scope Validation and Concept Design Subtotal		\$76,919.20

Respond to Review Comments:

Program Manager	\$324.18 / hr x 4 hrs	\$ 1,296.72
Senior Architect	\$234.93 / hr x 4 hrs	\$ 939.72
Senior Civil Engineer	\$235.46 / hr x 4 hrs	\$ 941.84
Senior Electrical Engineer	\$231.16 / hr x 4 hrs	\$ 924.64
Senior Mechanical Engineer	\$214.61 / hr x 4 hrs	\$ 858.44
Senior Structural Engineer	\$213.21 / hr x 4 hrs	\$ 852.84
Senior Fire Protection Engineer	\$214.61 / hr x 4 hrs	\$ 858.44
Clerical / Admin	\$96.32 / hr x 2 hrs	\$ 192.64
Respond to Review Comments Subtotal		\$ 6,865.28

Cost Estimating **\$ 19,914.00**

Grand Total **\$178,287.76**

Section D. - Owner's Responsibilities

D.1. Owner shall perform and/or provide the following in a timely manner so as not to delay the Services of Engineer. Unless otherwise provided in this Amendment, Owner shall bear all costs incident to compliance with the following:

- D.1.1. Proposed scope items as submitted by consultant.
- D.1.2. Proposed subconsultant scope items (if any).
- D.1.3. Project site drawings, details, etc. (as available).

Section E. - Deliverables

E.1. Deliverables will consist of the following:

- Cost Estimate
- Project Definition Report
- Drawings:
 - Site Geometry
 - Site Utilities
 - Phasing
 - Landside Roadway Geometry
 - Airside Geometry / Building Set-Back Plan


Architectural Floor Plan
Architectural Elevations
Single Line Diagrams
Shadow Study
Part 77 Clearance

IN WITNESS WHEREOF, the Owner and Engineer have executed this Amendment.

Savannah Airport Commission
(Owner)

Pond & Company
(Engineer)

By _____

By  _____

Title _____

Hugh Weaver
Vice President

Date _____

Date November 6, 2019

