

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: June 15, 2021

[] Consent [X] Regular
[] Workshop [] Public Hearing

Submitted By: Department of Airports

I. EXECUTIVE BRIEF

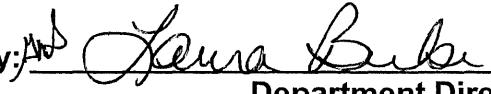
Motion and Title: Staff recommends motion to approve: Amendment No. 4 to the General Consulting Agreement with RS&H, Inc. for Consulting/Professional Services in the amount of \$2,644,110.87 for the continued performance of professional planning and design services related to the Concourse B Expansion project at Palm Beach International Airport (PBI).

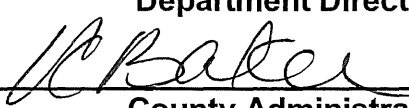
Summary: The Consulting Agreement with RS&H, Inc. for general airport planning and design was approved by the Board on May 7, 2019 (R-2019-0612) in the amount of \$2,004,570.58 in order to carry out the approved Capital Improvement Programs for the County's Airports. Amendment No. 1 was approved by the Board on May 5, 2020 (R-2020-0414) increasing the amount of the contract by \$2,304,608.30. Amendment No. 2 was approved by the Board on October 20, 2020 (R-2020-1607) increasing the amount of the contract by \$3,196,990.03. Amendment No. 3 was approved by the Board on May 4, 2021 (R-2021-0576) exercising the first one (1) year renewal option for the continuation of services provided under this agreement. Amendment No. 4 will provide an additional \$2,644,110.87 to complete the design effort for the Concourse B Expansion project at PBI. RS&H, Inc. is a Jacksonville, Florida based firm; however, the majority of the work to be completed in this agreement will be managed through their Fort Lauderdale, Florida offices in conjunction with several Palm Beach County-based and South Florida-based sub-consultants and firms. A Disadvantaged Business Enterprise (DBE) goal of 18% was set for this contract. RS&H, Inc. committed to 23% DBE participation for this agreement. The anticipated DBE participation based upon the approved tasks is approximately 26.17%. The current paid to date DBE participation is approximately 20.06%. The DBE participation for this Amendment is 22.07%. **Countywide (AH)**

Background and Policy Issues: In order to carry out the approved Capital Improvement Program for the County, the Department of Airports requires professional planning and design engineering services. This agreement is for 2 years with 2 one (1) year renewal options. This amendment allows for the continuation of services necessary for the development and operation of the County's airport system.

Attachments:

1. Amendment No. 4 with RS&H, Inc. – 3 Originals
2. DBE Goal Information

Recommended By:  5-24-21
Department Director Date

Approved By:  6/10/21
County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$2,644,110.87				
Operating Costs					
External Revenues (Grants)					
Program Income (County)					
In-Kind Match (County)					
NET FISCAL IMPACT	\$2,644,110.87				

ADDITIONAL FTE POSITIONS (Cumulative)

Is Item Included in Current Budget? Yes X No
Does this item include the use of federal funds? Yes No X

Budget Account No: Fund 4111 Department 121 Unit A394-445 Object 6504

Reporting Category _____

A handwritten signature in black ink, appearing to be "JH".

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Funds are available in the above referenced account.

C. Departmental Fiscal Review:

By: Wahneema Lubiano

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

Lex Muth 5/25/21
OFMB 5-25-21
5-25-21

Contract Dev. and Control
6-3-21 Tu

B. Legal Sufficiency:

Anne Delmont 6-9-21
Assistant County Attorney

C. Other Department Review:

Department Director

REVISÉD 11/17

(THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT)



10748 Deerwood Park Blvd South
Jacksonville, FL 32256

O 904-256-2500
F 800-485-6891
rsandh.com

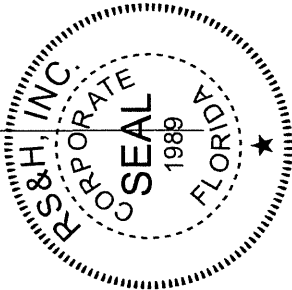
CORPORATE RESOLUTION
AUTHORIZING SIGNATORY FOR
PALM BEACH COUNTY CONTRACTS

I, John J. Bottaro, the undersigned Corporate Secretary of RS&H, Inc., a Florida Corporation (the “Corporation”), hereby certify that: The Corporation is duly organized and existing under the laws of the State of Florida and the following is a true, accurate and complete transcript of a resolution contained in the minute book of the Board of Directors of said Corporation duly held on the 5th day of May, 2021, at which meeting there was present and acting throughout a quorum with full power and authority to adopt this resolution and confer the powers granted to the person hereinafter described, and that the proceedings of said meeting were in accordance with the charter and by-laws of said Corporation, and that said resolution has not been amended or revoked and is in full force and effect:

RESOLVED, that Rodney L. Bishop, Jr., Senior Vice President of the Corporation, is hereby authorized and empowered to execute in the name of the Corporation all proposals, agreements, supplements, contracts, and other documents he may deem necessary or appropriate, in connection with Palm Beach County, Florida.

IN WITNESS WHEREOF, I have executed my name as Corporate Secretary and affixed the seal of the Corporation this 13th day of May, 2021.

DocuSigned by:
John Bottaro
B145939CDB964A5
John J. Bottaro
Corporate Secretary



AMENDMENT NO. 4 TO CONTRACT
BETWEEN
PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
AND
RS&H, INC.
FOR
FOR CONSULTING / PROFESSIONAL SERVICES
AT
PALM BEACH COUNTY AIRPORTS

This Amendment No. 4 to the Contract is made as of the _____ day of _____, 2021, by and between **Palm Beach County**, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the **COUNTY**, and **RS&H, Inc.**, [] an individual, [] partnership, [X] a corporation authorized to do business in the State of Florida, hereinafter referred to as the **CONSULTANT**, whose Federal Tax I.D. number is 59-2986466.

WITNESSETH

WHEREAS, on May 7, 2019, the COUNTY entered into an Agreement (R2019-0612) with the CONSULTANT for the CONSULTANT to provide Consulting / Professional Services for the Palm Beach County Department of Airports at Palm Beach County Airports (PBI, F45, LNA, & PHK); and

WHEREAS, on May 5, 2020, the COUNTY entered into an Amendment No. 1 (R-2020-0414) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on October 20, 2020, the COUNTY entered into an Amendment No. 2 (R-2020-1607) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on May 4, 2021, the COUNTY entered into an Amendment No. 3 (R-2021-0576) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, Article 25 of the Contract requires an amendment when the parties are able to define additional services and the parties have now defined those services,

NOW THEREFORE, in consideration of the mutual covenants herein contained, and such other good and valuable consideration, the receipt of which the parties hereby acknowledge, the parties agree to the following terms and conditions:

1. The parties hereby agree to amend the Contract to include the Scope of Services and Fees as outlined in Exhibit A. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed Two Million, Six-Hundred Forty-Four Thousand, One Hundred Ten Dollars and Eighty-Seven Cents (\$2,644,110.87) for the services in Amendment No. 4 to the original Contract.
2. Except as specifically amended herein, all other terms and conditions of the Contract shall remain in full force and effect.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties have caused the Fourth Amendment to the Contract to be signed by the Mayor of the Board of County Commissioners and the Seal of said Board to be fixed hereto and attested by the Clerk of said board, and the CONSULTANT, RS&H, Inc., has caused these presents to be signed in its corporate name by its duly authorized officer (Name) Rodney L. Bishop, (Title) Senior Vice President, Aviation, acting on behalf of said CONSULTANT, and the Seal of said CONSULTANT to be affixed hereto and attested by the Secretary of said CONSULTANT, the day and year first written above.

ATTEST:

JOSEPH ABRUZZO
CLERK OF THE COUNTY COURT
AND COMPTROLLER

PALM BEACH COUNTY, FLORIDA

BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Dave Kerner, Mayor

WITNESS:

DocuSigned by:

Shelly McLane

E1F054861E02496...

SIGNATURE

Shelly McLane

Name (type or print)

CONSULTANT:

RS&H, Inc.
COMPANY NAME

DocuSigned by:

Rodney Bishop

1402FF6199E0486...

Signature

Rodney L. Bishop
Name (type or print)

Senior Vice President, Aviation
Title

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

BY: _____
County Attorney

(Corporate Seal)

APPROVED AS TO TERMS
AND CONDITIONS

By: Laura Baker
Department Director

AMENDMENT NO 4 INDEX

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 4

EXHIBIT A-1 – Task I-21-PBI-R-023: PBI Concourse B Expansion (Construction Documents)

EXHIBIT A-2 – Task III Services

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

CERTIFICATE OF INSURANCE



Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00000525	RS&H, Inc.	Modified	Compliant					DOA 18-2A	Consulting/Professional Services
		A+p , XV	Hartford Casualty Insurance Company	21uenhn9665	6/28/2020	6/28/2021	Auto Liability		
		A+p , XV	Hartford Casualty Insurance Company	20xhuoz0019	6/28/2020	6/28/2021	Excess Liability		
		A+p , XV	Hartford Casualty Insurance Company	20uuno0018	6/28/2020	6/28/2021	General Liability		
		A , XV	Lloyd's	b0146ldusa1904894	6/28/2020	6/28/2021	Professional Liability		
		A+p , XV	Twin City Fire Insurance Company	21wbol6h5a	12/1/2020	12/1/2021	Workers Comp		

Risk Profile : Standard - Professional Services
Required Additional Insured : Palm Beach County Board of County Commissioners
Ownership Entity :

EXHIBIT A: AMENDMENT NO. 4

This Amendment No 4 is in accordance with the Contract for Consulting/Professional Services (Agreement R-2019-0612) between Palm Beach County (COUNTY) and RS&H, Inc. (CONSULTANT) dated May 17, 2019.

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 4.

EXHIBIT A-1 – Task I-21-PBI-R-023: PBI Concourse B Expansion (Construction Documents)

EXHIBIT A-2 – Task III Services

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

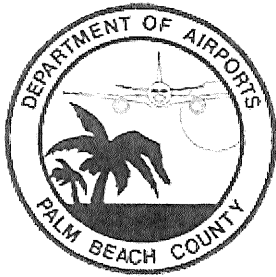
EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

EXHIBIT A-1 – Task I-21-PBI-R-023: PBI Concourse B Expansion (Construction Documents)

Palm Beach County Department of Airports



**Airport Facilities & Systems Planning, Design,
Engineering and Construction Management
Professional Services**

**Task Authorization No.
I-21-PBI-R-023**

Palm Beach International Airport

**PBI Concourse B Expansion
(Construction Documents Only)**



3125 West Commercial Boulevard, Suite 130
Fort Lauderdale, Florida 33309

May 17, 2021



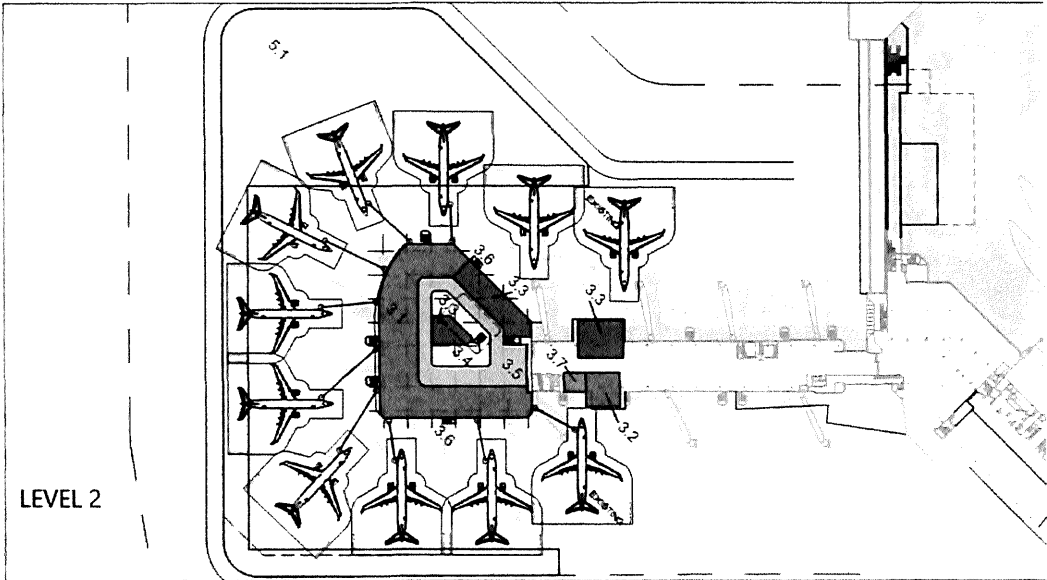
EXHIBIT "A"
SCOPE OF SERVICES

Description of the services outlined below in Section 0 - General is intended to be general in nature and should not be construed to be a complete description of the services or a limitation on the Scope of Services to be provided. Refer to Sections 1 through 8 for the definition of specific scope items to be performed by RS&H.

0. GENERAL

0.1 The Project

This project is for the design and documentation of the expansion of Concourse B Hold Room and Concessions Areas. The basis of this project will be the September 30, 2019 “Palm Beach International Airport (PBI) Terminal Expansion Program Study,” by RS&H. Based on the project definition in that report, the expanded Concourse will be approximately 56,000 square feet and have a budget cost of \$30 million for the building and \$5 million for the associated Apron/Site works. The new expansion will be located at the end of Concourse B as shown below. Multiple phases of construction are anticipated in order to minimize the impact to flight and airline operations. The following image shows the general location and extents of the proposed Concourse B expansion at Boarding Level:





The A/E shall develop its services to assure a properly coordinated design for construction of the Project.

The scope for the work under this agreement shall include the required elements, systems, equipment and facilities typical of a passenger terminal complex including, and limited to:

- The interior space for the public circulation, seating and secure holdroom areas and Palm Beach County Department of Airport (DOA) administrative, operations and security areas. This includes flooring, wall and column coverings, ornamentals, ceiling, skylights, lighting, special effects, architectural millwork, seating (incorporating existing holdroom furniture, if possible), furnishings, commercial TV, flight information display systems (FIDS), artwork (incorporating existing and new as selected by the DOA), interior landscaping, commercial advertising, and limited other specialty features requested by DOA.
- The interior basic shell for concession tenant spaces. The project will provide shell space with stubbed utilities, electrical panel, conditioned air supply and return, exhaust ventilation, heating, cold/hot water, sanitary, natural gas, telephone/data/CCTV conduit, all as required at the interfaces per the tenant needs. Distribution of utilities, interior walls and finishes will be by tenant.
- The architectural millwork including complete counter shells without inserts for boarding lounge passenger processing. RS&H will continue DOA's existing millwork standards at new gates created with Concourse expansion. Existing gates not in the "boot" at the end of Concourse B will maintain their existing gate counter millwork.
- The gate systems including apron drive passenger boarding bridges (new and existing to be relocated) with required pivot foundation, bridge mounted preconditioned air units to provide heating and cooling to aircraft, bridge mounted 400Hz converters for aircraft power, lighted exterior gate numbering, 60Hz 120/220 wall receptacles, telephone service (wall and bridge mounted), potable water hose cabinets, water spigots (wall mounted), exterior PA system, ramp security CCTV system and exterior door security access control requirements.
- In association with DOA and the airlines, the RS&H Team will prepare the final aircraft parking plan around the Concourse B expansion and adjoining gates to remain to establish size and location of the boarding bridges, gates, building stairs, mechanical and electrical systems. Temporary gate markings will be modeled to accommodate proposed project phasing (up to 10 phased aircraft parking layouts). Impacts to the existing vehicle service road will be considered per phase. A final gate marking plan for Concourse B will be developed for completion of the project.
- All the mechanical and plumbing systems including HVAC, chilled water, compressed air, steam and hot water, fire protection, domestic hot and cold water, plumbing, natural gas, sanitary and storm sewer systems, etc.



- All the electrical building systems and other such items as the boarding bridges, 400Hz converters, preconditioned air, heated potable water hose cabinets, public information systems, lighted signage, security systems, tenant power and distribution as required. This includes cable routing and cabling as needed for voice/data/radio communications, including airline systems
- Signage and wayfinding provided in this project will match the existing facility wayfinding program. This project will not include the development of a new wayfinding signage design program.
- Extension of the existing public address system throughout the expanded Concourse, including local paging, override for emergencies, announcements, etc.
- Extension of the existing Commercial video and telecommunication systems in the expanded Concourse.
- Specification of furnishings, fixtures and equipment ("FFE"), including but not limited to, holdroom and public area seating, administrative office furnishings, common area furnishings, etc., and where applicable, the reuse of furniture and equipment.
- Project phasing developed by the CMAR to include systems relocation, including continued use of existing Concourse and new temporary facilities during construction in order to maintain uninterrupted airport operations. CMAR will prepare design(s) for all necessary temporary facilities, system relocation, etc., and coordinate with DOA and the impacted Airlines and Tenants. Special priority shall be given to facilitating passenger and vehicle access to and through Concourse B during construction.

The RS&H Team will provide professional civil, architectural, structural, mechanical, plumbing, electrical, and communication/technology engineering design services and associated permitting, and bidding services related to the Concourse B Expansion Project.

The following RS&H Team members will be involved in this project for the roles defined as follows. Their respective scope and fee proposals are attached herein.

- **MOBIO:** Shall provide architectural design services related to the Concourse B Expansion Project in support of and in coordination with RS&H's architectural design services.
- **Quantum Electrical Engineering, Inc.:** Shall provide Electrical Engineering design services for the Concourse B Expansion Project. Quantum shall be the Electrical Engineer of Record.
- **Master Consulting Engineers:** Shall provide QC Review for Structural Engineering Construction Documents & Specifications in support of RS&H's engineering design services.
- **Connico:** Shall provide cost estimating services.



- **Keith Team:** Subsurface utility investigation and civil utility (water and sanitary) design.
- **JLRD:** JLRD shall provide mechanical, plumbing, fire protection (including smoke evacuation) engineering. JLRD shall be the Engineer of Record for noted disciplines.
- **RS&H:** Shall provide civil site, architectural, structural, and communication /technology design services. RS&H will provide electrical, fire alarm, mechanical, plumbing, and fire protection peer review / oversight. Included in these services, RS&H shall develop a Construction Safety and Phasing Plan (CSPP) and development of required 7460 submittals. RS&H will also provide oversight of all other design services performed by Team members noted above. RS&H shall serve as Architect and Engineer of Record for the Concourse B Expansion Project unless otherwise noted.

The following are assumptions included for the scope of work included in this proposal:

- Construction Manager At-Risk (CMAR) construction delivery method. Phasing input by RS&H will be provided but phasing will be the responsibility of the CMAR.
- Value engineering exercises post-GMP
- Code-upgrades limited to footprint of Concourse B only.
- Expansion of existing signage/wayfinding standards only (Excludes development of new standards)
- Existing concrete apron area meets NFPA 415 slope requirements and does not require reconstruction to meet such codes.

The following are excluded from the scope of work and are not included in this proposal:

- Phasing (to be completed by CMAR)
- Multi-package delivery. The Documents will be submitted as a singular package for CMAR.
- LEED Design & Certification
- Any soil contaminants and subsurface remediation.
- Phase 4: Bidding and Award, Phase 5: Construction Administration and RPR Services. Shall be performed under a separate proposal.
- Jet fuel line design
- Natural gas line design
- Stormwater Modelling

1. Phase 1A: PLANNING AND PROGRAMMING

Not included. Provided under a previous proposal.



2. Phase 1B: CONCEPTUAL DESIGN

Not included. Provided under a previous proposal.

3. Phase 2: SCHEMATIC DESIGN

Not included. Provided under a previous proposal.

4. Phase 3A: 60% CONSTRUCTION DOCUMENTS

Following NTP, the RS&H Team will prepare 60% Construction Documents from the Schematic Design Documents which clearly define the engineering and/or architectural elements of the Project.

Performance of this Task will be based on the comments received on the Schematic Design submittal and shall further refine the design and establish the scope, relationships, forms, size and appearance of the project through plans, sections, elevations, details and specifications. The documents will include Drawings and Specifications that establish, in detail sufficient for 60% construction documents, the configuration and quality of the materials, components and systems required for the Project. The documents are anticipated to be prepared in AutoCAD Civil 3D 2020, AutoCAD 2020 and REVIT 2020 (LOD 300). Specific task breakdowns are as follows:

4.1 Civil/Site 60% Construction Documents

Design and documentation of the site utilities, pavements, geometry, grading and drainage for the Project. It is assumed that there will be no realignment or relocation of any existing water, sewer, electrical, communication, fuel, or natural gas utilities as part of this design. ATC Tower Line of Sight Study to be performed at this stage.

Aircraft parking modelling of all Concourse B gates to determine how many gates can feasibly service the desired ADV IV aircraft as well as service ADG V aircraft at Gate B2. This includes possible modification to the marking layouts for existing gates B1-B7. This includes 1 revision per gate.

Research and implementation of the gate marking requirements for each airline (United, American, and Southwest) as well DOA common-use gate marking standards.

SUE engineering services do not include the extension/replacement and/or upsizing of any water and/or sanitary sewer mains surrounding the site. Services associated with designing; and permitting any off-site infrastructure improvements (including off-site lift stations) required to provide service to the site will be addressed as additional services. If the project requires that we tie into the existing lift station to the southeast of the project, we will provide the additional scope and fee.



4.2 Architectural 60% Construction Documents

Design development level documentation of the space layout, functional features, envelope, exterior and interior appearance and related plans, sections, and details for the Project. Life/safety elements of the Project will be accounted for and addressed. Design elements should describe and illustrate the aesthetic character of the building and associated components.

Design development level documentation of signage and wayfinding components.

4.3 Structural 60% Construction Documents

Design development level documentation of the structural systems, foundations, floor and roof framing, lateral framing and related plans, sections, and details for the Project.

4.4 Mechanical HVAC 60% Construction Documents

Design development level documentation of heating, ventilation, air conditioning and building automation system.

RS&H Team will submit a deliverable which will include HVAC systems to respond to impacts to the existing system and to accommodate the expanded Concourse. Major elements to be considered include:

- Energy code evaluation of theme.
- Evaluation of BAS control system expandability.

4.5 Plumbing 60% Construction Documents

Design development level documentation of roof drainage system, water supply system and sanitary system.

4.6 Fire Protection 60% Construction Documents

Design development level documentation of standpipe, hose cabinet and sprinkler system as applicable.

4.7 Electrical 60% Construction Documents

Design and documentation of power service, lighting (interior & site), premise distribution systems, lightning protection system, and fire alarm system.

4.8 Communication/Technology 60% Construction Documents



Design development level documentation of security, CCTV, data network, telephone, public address system, and communication systems.

4.9 Stakeholder & Tenant Coordination Meetings

RS&H will attend meetings (2-3 anticipated) over a maximum of two consecutive calendar days to review documents with DOA, Airlines, Tenants & Concessions to confirm sizing, layout and extents of programmed areas.

RS&H will have the following people in attendance on-site:

- RS&H: Project Manager, Architect, Structural
- JLRD: Mechanical, Plumbing, Fire Protection Engineer
- Quantum: Electrical Engineer

RS&H will have the following people in attendance via conference call:

- RS&H: Communication / Technology and Civil Engineer

4.10 Phasing Development

RS&H will review proposed phasing & staging area plans developed by the CMAR in consultation with the CMAR, DOA, Airlines, Operations for the construction operations of the Project within the operational facility.

Included is review of documentation of the phasing and sequencing stages, their limits, definition of limitations on the Contractors, interim access routes for construction, access and circulation routes for the public and temporary protective structures or barriers. The drawings depicting phasing requirements will be included in the Construction Documents as appropriate.

Phasing shall be developed in a manner so that it is compliant with FAA AC 150/5370-2 Operational Safety on Airports During Construction and will be used in development of the CSPP.

4.11 Cost Estimate Budget Development

An estimate of probable construction cost of the 60% construction documents will be completed by Connico to identify, potential alternates for funding limitations and assess probable conformance to the overall project budget. The probable construction cost is an estimate representing the judgment of the estimators who have no control over the cost of labor, materials or equipment, over the Contractor's methods of determining prices, or over competitive bidding, market or negotiating conditions. Accordingly, RS&H cannot and does not warrant or represent that bids or negotiated prices will not vary from the budget, funding or from any estimate or evaluation by RS&H. PFC/AIP availability analysis will be included at each stage. RS&H will review draft estimate to



determine if scope was properly captured and provided comments to Connico for incorporation into the document submitted to PBC DOA. Excluded from the review will be review of the unit costs, only quantity and scope will be reviewed.

4.12 Code and Permitting Research

Final determination and documentation of jurisdictional authority requirements for Building Code, Fire Protection and Life Safety. Interpretations of requirements will be incorporated in the construction documents for jurisdictional reviews.

4.13 60% Construction Document Submittal

RS&H will submit four (4) copies of all Documents required under this Phase 3A for review comments and approval by the DOA. RS&H shall prepare 60% Construction Document plans, and technical specifications in accordance with applicable DOA standards. Plans and specifications will be prepared for one single Bid Package.

4.14 60% Construction Document Review Meeting

RS&H shall coordinate and attend one (1) meeting at the Airport to review the 60% Construction Documents phase submittal. Within two weeks of the meeting, the Airport will provide any additional written comments to the Consultant that may affect the direction of the project.

RS&H will have the following people in attendance on-site:

- RS&H: Project Manager, Architect, Structural and Civil Engineer (on-site)
- JLRD: Mechanical, Plumbing, Fire Protection Engineer (on-site)
- Quantum: Electrical Engineer

RS&H will have the following people in attendance via conference call:

- RS&H: Communication / Technology Engineer

4.15 Project Management and Discipline Coordination

Scheduling, resource allocation, monitoring, oversight, direction and control for all aspects of the team’s efforts including assembly and coordination of all documentation.

5. 90% CONSTRUCTION DOCUMENTS (PHASE 3B)

Following submission of 60% Construction Document package, the RS&H Team will prepare 90% Construction Documents from the 60% Design Documents which clearly define the engineering and/or architectural elements of the Project.



Performance of this Task will be based on the 60% Construction Document submittal and shall further refine the design and establish the scope, relationships, forms, size and appearance of the project through plans, sections, elevations, details and specifications. The documents will include Drawings and Specifications that establish, in detail sufficient for 90% construction documents, the configuration and quality of the materials, components and systems required for the Project. Specific task breakdowns are as follows:

5.1 Civil/Site 90% Construction Documents

Final design and documentation for site clearing, installation of underground utilities and establishment of site configurations for construction access, securing of the site, providing staging areas and the completed project’s geometry, grading, pavement and drainage. FAA 7460 Coordination Meeting/Submittals to occur at this stage as well as development of the draft CSPP documentation.

5.2 Architectural 90% Construction Documents

Design and final documentation of architectural elements of the project such as space layout, functional features, envelope, exterior and interior appearance and related plans, building elevations, building sections, wall sections, and details. All life safety considerations will be completed at this stage. The construction documents shall describe and illustrate the final development of the aesthetic character of the building, associated components, and details.

Design and final documentation of signage and wayfinding components

5.3 Structural 90% Construction Documents

Design and final documentation of structural foundation, framing, roofing, and seismic bracing systems.

5.4 Mechanical HVAC 90% Construction Documents

Design and final documentation of heating, ventilation, air conditioning and building automation system.

5.5 Plumbing 90% Construction Documents

Design and final documentation of roof drainage system, water supply, sanitary system, kitchen systems and toilet room systems.

5.6 Fire Protection 90% Construction Documents

Design and final documentation of standpipe, hose cabinet and sprinkler system.



5.7 Electrical 90% Construction Documents

Design and final documentation of power service, lighting (interior & site), premise distribution system, lightning protection system, and fire alarm system.

5.8 Communication/Technology 90% Construction Documents

Design and final documentation of security system, closed-circuit television (CCTV) system, data network, telephone system, relative control console, and communication systems.

Design and final documentation of audio communication (paging) system and visual paging system.

5.9 Stakeholder & Tenant Coordination Meetings

RS&H will attend meetings (2-3 anticipated) over a maximum of two consecutive calendar days to review documents with DOA, Airlines, Tenants & Concessions to confirm sizing, layout and extents of programmed areas.

RS&H will have the following people in attendance on-site:

- RS&H: Project Manager, Architect, Structural
- JLRD: Mechanical, Plumbing, Fire Protection Engineer
- Quantum: Electrical Engineer

RS&H will have the following people in attendance via conference call:

- RS&H: Communication / Technology and Civil Engineer

5.10 Phasing & Staging Area Development

RS&H will review proposed phasing & staging area plans developed by the CMAR in consultation with the CMAR, DOA, Airlines, Operations for the construction operations of the Project within the operational facility.

Included is review of documentation of the phasing and sequencing stages, their limits, definition of limitations on the Contractors, interim access routes for construction, access and circulation routes for the public and temporary protective structures or barriers. The drawings depicting phasing requirements will be included in the Construction Documents as appropriate.

Phasing shall be developed in a manner so that it is compliant with FAA AC 150/5370-2 Operational Safety on Airports During Construction and will be used in development of the CSPP.



5.11 Cost Estimate Budget Development

An estimate of probable construction cost of the 90% construction documents will be completed by Connico to identify, potential alternates for funding limitations and assess probable conformance to the overall project budget. The probable construction cost is an estimate representing the judgment of the estimators who have no control over the cost of labor, materials or equipment, over the Contractor’s methods of determining prices, or over competitive bidding, market or negotiating conditions. Accordingly, RS&H cannot and does not warrant or represent that bids or negotiated prices will not vary from the budget, funding or from any estimate or evaluation by RS&H. PFC/AIP availability analysis will be included at each stage. RS&H will review draft estimate to determine if scope was properly captured and provided comments to Connico for incorporation into the document submitted to PBC DOA. Excluded from the review will be review of the unit costs, only quantity and scope will be reviewed.

5.12 90% Construction Document Submittal

RS&H will submit four (4) copies of all Documents required under this Phase 3B for review comments and approval by the DOA. RS&H shall prepare 90% Construction Document plans, and technical specifications in accordance with applicable DOA standards. Plans and specifications will be prepared for one single Bid Package.

5.13 90% Construction Document Review Meeting

RS&H shall coordinate and attend one (1) meeting at the Airport to review the 90% Construction Documents phase submittal. Within two weeks of the meeting, the Airport will provide any additional written comments to the Consultant that may affect the direction of the project.

RS&H will have the following people in attendance on-site:

- RS&H: Project Manager, Architect, Structural (on-site)
- JLRD: Mechanical, Plumbing, Fire Protection Engineer (on-site)
- Quantum: Electrical Engineer

RS&H will have the following people in attendance via conference call:

- RS&H: Communication / Technology Engineer

5.14 Project Management and Discipline Coordination

Scheduling, resource allocation, monitoring, oversight, direction and control for all aspects of the team’s efforts including assembly and coordination of all documentation.

6. Phase 3C: 100% CONSTRUCTION DOCUMENTS



Following submission of 90% Construction Documents to the DOA, RS&H will develop "Final" 100% Contract Documents. They will consist of the information contained in the 90% documents, as well as incorporate any comments provided and by CMAR, DOA, Permit Agencies, or other authorized reviewers, as directed by the DOA.

If any further change(s) in the size and scope of the Project has occurred, which will substantially alter the amount of previous Construction Cost Estimates, then such changes should be addressed in a written report prepared by RS&H to the DOA.

This task shall provide the detailed requirements for construction of the Project. The documents will include Drawings and Specifications that establish, in detail sufficient for production of shop drawings and construction, the configuration and quality of the materials, components and systems required for the Project. Specific task breakdowns are as follows:

6.1 100% Construction Documents

Design and final documentation of the facility and surrounding site reflecting sequencing/phasing during construction developed by the CMAR, functional features, interior appearance and related plans, sections and details for the Project.

6.2 Cost Estimate Budget Development

An estimate of probable construction cost of the 100% construction documents will be completed by Connico to identify, potential alternates for funding limitations and assess probable conformance to the overall project budget. The probable construction cost is an estimate representing the judgment of the estimators who have no control over the cost of labor, materials or equipment, over the Contractor's methods of determining prices, or over competitive bidding, market or negotiating conditions. Accordingly, RS&H cannot and does not warrant or represent that bids or negotiated prices will not vary from the budget, funding or from any estimate or evaluation by RS&H. PFC/AIP availability analysis will be included at each stage. RS&H will review draft estimate to determine if scope was properly captured and provided comments to Connico for incorporation into the document submitted to PBC DOA. Excluded from the review will be review of the unit costs, only quantity and scope will be reviewed.

6.3 100% Construction Document Review Meeting

RS&H will attend one (1) 100% Construction Document Review meeting with the Project Manager, Architect and Civil, Structural, Mechanical, Plumbing, Electrical (Quantum), Fire Protection, and communications / Telcom Engineers in attendance.

6.4 Permit Document Submittal

RS&H will provide signed and sealed plans for the DOA to use to file for a County building permit incorporating any comments from the 100% design review meeting,



provide the necessary portions of the Contract Documents for approval by DOA, and assist in obtaining any such applicable certifications of "permit approval" by such authorities prior to approval by the DOA of the Phase 3C 100% set submittal and printing of the Contract Documents.

6.5 Visualization Renderings

RS&H will provide photo realistic renderings and / or hand sketches at each stage throughout the design as to be used for marketing and presentation purposes. Up to (4) renderings per phase is included. This effort is not specific to Phase 4 and shall be completed throughout design effort.

6.6 Project Management and Discipline Coordination

Scheduling, resource allocation, monitoring, oversight, direction and control for all aspects of the team's efforts including assembly and coordination of all documentation.

7. Phase 4: BIDDING AND AWARD OF CONTRACT

Not included. Shall be provided under a separate proposal if required.

8. Phase 5: CONSTRUCTION ADMINISTRATION SERVICES

Not included. Shall be provided under a separate proposal.

9. PROJECT DESIGN SCHEDULE

The Project's schedule is defined in the accompanying Project Schedule. The actual schedule may vary significantly as the Project design progresses and the scope is further developed. Changes to the project schedule may require changes in the Consultant's efforts and require adjustments to the compensation indicated in this proposal.

See Schedule Attachment



PBC DOA Airport Facilities & Systems Services
PBI Concourse B Expansion: Construction Documents
Exhibit A-1

Phase 3A: 60% Construction Documents – 126 Calendar Days	
Submittal	112 Calendar Days from Phase 3A NTP
Review Meeting	14 Calendar Days from Submittal
Phase 3B: 90% Construction Documents – 126 Calendar Days	
Submittal	112 Calendar Days from Phase 3A Review Meeting
Review Meeting	14 Calendar Days from Submittal
Phase 3C: 100% Construction Documents – 89 Calendar Days	
Submittal	14 Calendar Days from Finalized Permit
Review Meeting	14 Calendar Days from Submittal
Phase 3C: Permit Documents ~ 61 Calendar Days	
Submittal	~ 7 Calendar Days after Ph 3C Review Meeting
Finalize Permit	~ 49 Calendar Days after Submittal

END OF EXHIBIT A-1



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
Airport Facilities & Systems Planning, Design, Engineering and
Construction Management Professional Services

RS&H, INC.

PROJECT PROPOSAL - PBI CONCOURSE B EXPANSION CONSTRUCTION DOCUMENTS

	<u>Total</u>
DESIGN SERVICES	
PHASE 1A - PLANNING AND PROGRAMMING - Not included in this proposal	\$ -
PHASE 1B - CONCEPTUAL DESIGN - Not included in this proposal	\$ -
PHASE 2 - SCHEMATIC DESIGN - Not included in this proposal	\$ -
PHASE 3A - 60% CONSTRUCTION DOCUMENTS (Lump Sum)	\$ 674,547.79
PHASE 3B - 90% CONSTRUCTION DOCUMENTS (Lump Sum)	\$ 556,878.61
PHASE 3C - 100% CONSTRUCTION DOCUMENTS (Lump Sum)	\$ 371,761.53
BIDDING AND AWARD SERVICES	
PHASE 4 - BIDDING AND AWARD OF CONTRACT - Not included in this proposal	\$ -
CONSTRUCTION ADMINISTRATION SERVICES	
PHASE 5 - CONSTRUCTION ADMINISTRATION SERVICES - Not included in this proposal	\$ -
	\$ 1,603,187.93
SUBCONSULTANTS	
Quantum (Electrical)	\$ 149,029.00
Connico (Cost Estimating)	\$ 79,100.00
MOBIO (Architectural Support)	\$ 323,400.00
Master Consulting Engineers (QC Structural)	\$ 32,078.44
JLRD (Mechanical)	\$ 391,930.00
Keith	\$ 41,105.50
	\$ 1,016,642.94
REIMBURSABLE EXPENSES	
Reimbursable Expenses	\$ 24,280.00
SUMMARY:	
Total Proposed Fee for:	\$ 2,644,110.87



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
Airport Facilities & Systems Planning, Design, Engineering and
Construction Management Professional Services

RS&H, INC.

PROJECT PROPOSAL - PBI CONOURSE B EXPANSION CONSTRUCTION DOCUMENTS

SCOPE / TASK TITLE	SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
Task Authorization No. I-21-PBI-R-023 - Concourse B Expansion - Construction Documents (Lump Sum)										
PHASE 1A - PLANNING AND PROGRAMMING - Not included in this proposal										
PHASE 1B - CONCEPTUAL DESIGN - Not included in this proposal										
SUBTOTAL HOURS	0	0	0	0	0	0	0	0	0	0
RATE	\$287.02	\$245.39	\$125.87	\$85.16	\$246.63	\$151.55	\$96.47	\$111.75	\$60.37	
TOTAL DIRECT LABOR \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Proposed Fee for:										PHASE 1B - CONCEPTUAL DESIGN - Not included in this proposal
										\$0.00
PHASE 2 - SCHEMATIC DESIGN - Not included in this proposal										
SUBTOTAL HOURS	0	0	0	0	0	0	0	0	0	0
RATE	\$287.02	\$245.39	\$125.87	\$85.16	\$246.63	\$151.55	\$96.47	\$111.75	\$60.37	
TOTAL DIRECT LABOR \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Proposed Fee for:										PHASE 2 - SCHEMATIC DESIGN - Not included in this proposal
										\$0.00

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
PHASE 3A - 60% CONSTRUCTION DOCUMENTS (Lump Sum)											
4.1	Civil / Site 60% CDs										0
	Line of Site Study	4					16	60			80
	Civil Plan Sheet Development										0
	Cover Sheet							2			2
	Drawing Index							2			2
	Safety & Security Notes and Details							2			2
	Contract Layout Plan & General Contract Notes						4	8			12
	Overall Phasing Plan & Genera Phasing Notes						8	12			20
	Phasing Plan – Sheet 1 of 6						2	12			14
	Phasing Plan – Sheet 2 of 6						2	12			14
	Phasing Plan – Sheet 3 of 6						2	12			14
	Phasing Plan – Sheet 4 of 6						2	12			14
	Phasing Plan – Sheet 5 of 6						2	12			14
	Phasing Plan – Sheet 6 of 6						2	12			14
	Horizontal & Vertical Control Plan & Notes						1	4			5
	Geotechnical Boring Layout and Information						1	4			5
	Existing Conditions Plans						3	8			11
	Demolition Plan – Sheet 1 of 4						3	12			15
	Demolition Plan – Sheet 2 of 4						3	12			15
	Demolition Plan – Sheet 3 of 4						3	12			15
	Demolition Plan – Sheet 4 of 4						3	12			15
	Geometry Plan – Sheet 1 of 4						1	12			13
	Geometry Plan – Sheet 2 of 4						1	12			13
	Geometry Plan – Sheet 3 of 4						1	12			13
	Geometry Plan – Sheet 4 of 4						1	12			13
	Typical Pavement Sections						1	4			5
	Erosion & Sedimentation Control Plan						1	4			5
	Erosion & Sedimentation Control Notes and Details						1	4			5
	Grading & Drainage Plan – Sheet 1 of 4						4	16			20
	Grading & Drainage Plan – Sheet 2 of 4						4	16			20
	Grading & Drainage Plan – Sheet 3 of 4						4	16			20
	Grading & Drainage Plan – Sheet 4 of 4						4	16			20
	Drainage Details						12	20			32
	Pre-Development Drainage Area Map					1	12	28			41
	Post-Development Drainage Area Map					1	12	158			171
	Concrete Paving Joint Layout Plan – Sheet 1 of 4						2	8			10
	Concrete Paving Joint Layout Plan – Sheet 2 of 4						2	8			10
	Concrete Paving Joint Layout Plan – Sheet 3 of 4						2	8			10
	Concrete Paving Joint Layout Plan – Sheet 4 of 4						2	8			10
	Concrete Pavement Joint Details						2	8			10
	Concrete Pavement Joint Elevation Plan – Sheet 1 of 4						2	12			14
	Concrete Pavement Joint Elevation Plan – Sheet 2 of 4						2	12			14
	Concrete Pavement Joint Elevation Plan – Sheet 3 of 4						2	12			14

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
	Concrete Pavement Joint Elevation Plan – Sheet 4 of 4						2	12			14
	Pavement Marking Plan – Sheet 1 of 4						2	16			18
	Pavement Marking Plan – Sheet 2 of 4						2	16			18
	Pavement Marking Plan – Sheet 3 of 4						2	16			18
	Pavement Marking Plan – Sheet 4 of 4						2	16			18
	Pavement Marking Details – Sheet 1 of 3						4	16			20
	Pavement Marking Details – Sheet 2 of 3						4	16			20
	Pavement Marking Details – Sheet 3 of 3						4	16			20
	Utility Plan – Sheet 1 of 4						2	8			10
	Utility Plan – Sheet 2 of 4						2	8			10
	Utility Plan – Sheet 3 of 4						2	8			10
	Utility Plan – Sheet 4 of 4						2	8			10
	Utility Details – Sheet 1 of 3						2	8			10
	Utility Details – Sheet 2 of 3						2	8			10
	Utility Details – Sheet 3 of 3						2	8			10
	Utility Profiles – Sheet 1 of 4						2	12			14
	Utility Profiles – Sheet 2 of 4						2	12			14
	Utility Profiles – Sheet 3 of 4						2	12			14
	Utility Profiles – Sheet 3 of 4						2	12			14
	Gate Modeling Study (15 Gates)	2				4	48	120			174
	Specifications					1	20	16			37
4.2	Architectural 60% CDs										0
	Cover Sheet/Index of Drawings			4	8						12
	Project Notes/Abbreviations/Location Plan			2	8						10
	Partition Types		2	4	8						14
	Overall Concourse Level Life Safety Plan			4	8						12
	Overall Concourse Level Phasing Plan		4	8	16						28
	Concourse Level Phasing Plan - North			8	16						24
	Concourse Level Phasing Plan - South			8	16						24
	Concourse Level Phasing Plan - East			8	16						24
	Overall Ramp Level Existing Floor Plan		2	4	8						14
	Ramp Level Demolition Plan - North			2	8						10
	Ramp Level Demolition Plan - South			2	8						10
	Ramp Level Demolition Plan - East			2	8						10
	Overall Concourse Level Existing Floor Plan		2	4	8						14
	Concourse Level Demolition Plan - North			4	8						12
	Concourse Level Demolition Plan - South			4	8						12
	Concourse Level Demolition Plan - East			4	8						12
	Overall Ramp Level Floor Plan		2	4	8						14
	Ramp Level Floor Plan - North			4	8						12
	Ramp Level Floor Plan - South			4	8						12
	Ramp Level Floor Plan - East			4	8						12
	Overall Concourse Level Floor Plan		2	4	8						14
	Concourse Level Floor Plan - North			4	8						12
	Concourse Level Floor Plan - South			4	8						12
	Concourse Level Floor Plan - East			4	8						12
	Overall Roof Plan			2	8						10

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
	Roof Plan - North			2	8						10
	Roof Plan - South			2	8						10
	Roof Plan - East			2	8						10
	Overall Ramp Level Reflected Ceiling Plan			2	8						10
	Ramp Level Reflected Ceiling Plan - North			2	8						10
	Ramp Level Reflected Ceiling Plan - South			2	8						10
	Ramp Level Reflected Ceiling Plan - East			2	8						10
	Overall Concourse Level Reflected Ceiling Plan		2	4	8						14
	Concourse Level Reflected Ceiling Plan - North			4	8						12
	Concourse Level Reflected Ceiling Plan - South			4	8						12
	Concourse Level Reflected Ceiling Plan - East			4	8						12
	Exterior Building Elevations - North			4	8						12
	Exterior Building Elevations - West			4	8						12
	Exterior Building Elevations - South			4	8						12
	Exterior Building Elevations - Misc.			4	8						12
	Building Sections		2	4	8						14
	Building Sections		2	4	8						14
	Elevator Hoistway Sections		4	4	16						24
	Stair Sections		2	4	8						14
	Stair Sections		2	4	8						14
	Exterior Wall Sections		2	4	8						14
	Exterior Wall Sections			4	8						12
	Exterior Wall Sections			4	8						12
	Exterior Wall Sections			4	8						12
	Exterior Section Details		1	4	8						13
	Exterior Section Details			4	8						12
	Exterior Section Details			4	8						12
	Exterior Plan Details		1	4	8						13
	Exterior Plan Details			4	8						12
	Site Details			2	8						10
	Site Details			2	8						10
	Roof Details			2	8						10
	Roof Details			2	8						10
	Roof Details			2	8						10
	Enlarged Floor Plan - Toilets			2	4						6
	Interior Elevations			4	8						12
	Interior Elevations			4	8						12
	Interior Elevations			4	8						12
	Interior Details			4	8						12
	Interior Details			4	8						12
	Casework			8	12						20
	Casework			8	12						20
	Stair Details			2	8						10
	Stair Details			2	8						10
	Overall Concourse Level Finish Plan		2	8	8						18
	Concourse Level Finish Plan - North			8	8						16
	Concourse Level Finish Plan - South			8	8						16

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
	Concourse Level Finish Plan - East			8	8						16
	Finish Schedule & Legend			16	24						40
	Finish Details			8	16						24
	Door Schedule/Door Types			4	16						20
	Door Details			4	16						20
	Glazing Schedule			4	16						20
	Glazing Details			4	16						20
	Overall Concourse Level Signage Plan		2	2	8						12
	Signage & Wayfinding Details			2	8						10
	Specifications		4	24	40						68
4.3	Structural 60% CDs										0
	Overall Foundation Plan										0
	Foundation Plan - North					16		32			48
	Foundation Plan - South					4		16			20
	Foundation Plan - East					4		16			20
	Foundation Schedule and Details					4		16			20
	Foundation Sections							16			16
	Foundation Sections							16			16
	Overall Concourse Level Framing Plan					16		32			48
	Concourse Level Framing Plan - North					4		16			20
	Concourse Level Framing Plan - South					4		16			20
	Concourse Level Framing Plan - East					4		16			20
	Overall Roof Level Framing Plan					16		32			48
	Roof Level Framing Plan - North					4		16			20
	Roof Level Framing Plan - South					4		16			20
	Roof Level Framing Plan - East					4		16			20
	Column Schedule and Details							16			16
	Framing Sections					4	8	16			28
	Framing Sections					4	8	16			28
	Framing Details					4	8	16			28
	Framing Details					4	8	16			28
	Bracing System Sections					4	8	16			28
	Bracing System Details					4	8	16			28
	Stair Sections					4	8	16			28
	Stair Details					4	8	16			28
	Typical Details and General Notes					4	8	16			28
	Typical Details and General Notes					4	8	16			28
	Specifications					24				8	32
4.4	Mechanical 60% CDs					80	120				200
4.5	Plumbing 60% CDs					40	80				120
4.6	Fire Protection 60% CDs					32	40				72
4.7	Electrical 60% CD's					80		160	180		420
4.8	Communication / Technology 60% CDs					60	80				140
	Legend and General Notes										0
	Overall Concourse Level Communication Plan										0
	Concourse Level Communication Plan - North										0
	Concourse Level Communication Plan - South										0

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
	Concourse Level Communication Plan - East										0
	Overall Concourse Level Security Plan										0
	Concourse Level Security Plan - North										0
	Concourse Level Security Plan - South										0
	Concourse Level Security Plan - East										0
	Overall Ramp Level Security Plan										0
	Ramp Level Security Plan - North										0
	Ramp Level Security Plan - South										0
	Overall Concourse Level Security Plan										0
	Concourse Level Security Plan - North										0
	Concourse Level Security Plan - South										0
	Concourse Level Security Plan - East										0
	Enlarged Security Plans										0
	Communication Riser Diagram & Details										0
	Security Riser Diagram & Details										0
	Security System Point Schedule										0
	Specifications										0
4.9	Stakeholder & Tenant Coordination Meetings	16	32	32	32	16					128
4.10	Phasing Development		16	20	20	20	20				96
	CSPP						40	80			120
4.11	Cost Estimate Budget Development		4	16	24	16	16	8			84
4.12	Code & Permitting Research		4	16	16	6	32	32			106
4.13	60% Construction Document Submittal & QC	4	4	16	16	6	28	32			106
4.14	60% Construction Document Review Meeting	4		8	8	56		2			78
4.15	Project Management and Discipline Coordination	60	120	24	24	24					252
SUBTOTAL HOURS		90	220	492	928	591	780	1754	180	8	5043
RATE		\$287.02	\$245.39	\$125.87	\$85.16	\$246.63	\$151.55	\$96.47	\$111.75	\$60.37	
TOTAL DIRECT LABOR \$		\$25,831.80	\$53,985.80	\$61,928.04	\$79,028.48	\$145,758.33	\$118,209.00	\$169,208.38	\$20,115.00	\$482.96	\$ 674,547.79
											0
											0
Total Proposed Fee for:										PHASE 3A - 60% CONSTRUCTION DOCUMENTS (Lump Sum)	\$ 674,547.79
											0

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
PHASE 3B - 90% CONSTRUCTION DOCUMENTS (Lump Sum)											
											0
5.1	Civil / Site 90% CDs										0
	Prepare FAA 7460-1						8	40			48
	CSPP Development						40	40			80
	Civil Plan Sheet Development										0
	Cover Sheet							1			1
	Drawing Index							1			1
	Safety & Security Notes and Details						1	1			2
	Contract Layout Plan & General Contract Notes					1	1	1			3
	Overall Phasing Plan & Genera Phasing Notes							4			4
	Phasing Plan – Sheet 1 of 6						1	8			9
	Phasing Plan – Sheet 2 of 6						1	8			9
	Phasing Plan – Sheet 3 of 6						1	8			9
	Phasing Plan – Sheet 4 of 6						1	8			9
	Phasing Plan – Sheet 5 of 6						1	8			9
	Phasing Plan – Sheet 6 of 6						1	8			9
	Horizontal & Vertical Control Plan & Notes						1	2			3
	Geotechnical Boring Layout and Information						1	2			3
	Existing Conditions Plans						3	4			7
	Demolition Plan – Sheet 1 of 4						3	4			7
	Demolition Plan – Sheet 2 of 4						3	4			7
	Demolition Plan – Sheet 3 of 4						3	4			7
	Demolition Plan – Sheet 4 of 4						3	4			7
	Geometry Plan – Sheet 1 of 4						1	4			5
	Geometry Plan – Sheet 2 of 4						1	4			5
	Geometry Plan – Sheet 3 of 4						1	4			5
	Geometry Plan – Sheet 4 of 4						1	4			5
	Typical Pavement Sections						1	2			3
	Erosion & Sedimentation Control Plan						1	2			3
	Erosion & Sedimentation Control Notes and Details						1	2			3
	Grading & Drainage Plan – Sheet 1 of 4						4	12			16
	Grading & Drainage Plan – Sheet 2 of 4						4	12			16
	Grading & Drainage Plan – Sheet 3 of 4						4	12			16
	Grading & Drainage Plan – Sheet 4 of 4						4	12			16
	Drainage Details						4	12			16
	Pre-Development Drainage Area Map						3	6			9
	Post-Development Drainage Area Map						3	6			9
	Concrete Paving Joint Layout Plan – Sheet 1 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 2 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 3 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 4 of 4						1	2			3
	Concrete Pavement Joint Details						1	2			3
	Concrete Pavement Joint Elevation Plan – Sheet 1 of 4						1	2			3

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL	
	Concrete Pavement Joint Elevation Plan – Sheet 2 of 4						1	2			3	
	Concrete Pavement Joint Elevation Plan – Sheet 3 of 4						1	2			3	
	Concrete Pavement Joint Elevation Plan – Sheet 4 of 4						1	2			3	
	Pavement Marking Plan – Sheet 1 of 4						1	2			3	
	Pavement Marking Plan – Sheet 2 of 4						1	2			3	
	Pavement Marking Plan – Sheet 3 of 4						1	2			3	
	Pavement Marking Plan – Sheet 4 of 4						1	2			3	
	Pavement Marking Details – Sheet 1 of 3						1	2			3	
	Pavement Marking Details – Sheet 2 of 3						1	2			3	
	Pavement Marking Details – Sheet 3 of 3						1	2			3	
	Utility Plan – Sheet 1 of 4						1	2			3	
	Utility Plan – Sheet 2 of 4						1	2			3	
	Utility Plan – Sheet 3 of 4						1	2			3	
	Utility Plan – Sheet 4 of 4						1	2			3	
	Utility Details – Sheet 1 of 3						1	1			2	
	Utility Details – Sheet 2 of 3						1	1			2	
	Utility Details – Sheet 3 of 3						1	1			2	
	Utility Profiles – Sheet 1 of 4						1	4			5	
	Utility Profiles – Sheet 2 of 4						1	4			5	
	Utility Profiles – Sheet 3 of 4						1	4			5	
	Utility Profiles – Sheet 3 of 4						1	4			5	
	Specifications						24	8			32	
	Stormwater Permitting	8				6	64	90			168	
5.2	Architectural 90% CDs		40	300	600						940	
5.3	Structural 90% CDs					200	120	224		40	584	
5.4	Mechanical 90% CDs					60	160				220	
5.5	Plumbing 90% CDs					60	120				180	
5.6	Fire Protection 90% CDs					32	40				72	
5.7.2	Electrical 90% CD's					40		120	140		300	
5.8	Communication / Technology 90% CDs					40	60				100	
5.9	Stakeholder & Tenant Coordination Meetings	16	32	32	32	16					128	
5.10	Phasing & Staging Area Development		8	24	32	32	60	60			216	
5.11	Cost Estimate Budget Development		4	16	16	8	20	8			72	
5.12	90% Construction Document Submittal & QC	2	4	8	16	12	30	28			100	
5.13	90% Construction Document Review Meeting	4		8	8	56		2			78	
5.14	Project Management and Discipline Coordination	60	100	24	24	24					232	
SUBTOTAL HOURS		90	188	412	728	587	831	853	140	40	3869	
RATE		\$287.02	\$245.39	\$125.87	\$85.16	\$246.63	\$151.55	\$96.47	\$111.75	\$60.37		
TOTAL DIRECT LABOR \$		\$25,831.80	\$46,133.32	\$51,858.44	\$61,996.48	\$144,771.81	\$125,938.05	\$82,288.91	\$15,645.00	\$2,414.80	\$556,878.61	
Total Proposed Fee for:											PHASE 3B - 90% CONSTRUCTION DOCUMENTS (Lump Sum)	\$556,878.61

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
PHASE 3C - 100% CONSTRUCTION DOCUMENTS (Lump Sum)											
6.1	100% Construction Documents										0
	Civil										0
	Cover Sheet							1			1
	Drawing Index							1			1
	Safety & Security Notes and Details							1			1
	Contract Layout Plan & General Contract Notes							1			1
	Overall Phasing Plan & General Phasing Notes							1			1
	Phasing Plan – Sheet 1 of 6						1	1			2
	Phasing Plan – Sheet 2 of 6						1	1			2
	Phasing Plan – Sheet 3 of 6						1	1			2
	Phasing Plan – Sheet 4 of 6						1	1			2
	Phasing Plan – Sheet 5 of 6						1	1			2
	Phasing Plan – Sheet 6 of 6						1	1			2
	Horizontal & Vertical Control Plan & Notes						1	2			3
	Geotechnical Boring Layout and Information						1	2			3
	Existing Conditions Plans						1	2			3
	Demolition Plan – Sheet 1 of 4						2	3			5
	Demolition Plan – Sheet 2 of 4						2	3			5
	Demolition Plan – Sheet 3 of 4						2	3			5
	Demolition Plan – Sheet 4 of 4						2	3			5
	Geometry Plan – Sheet 1 of 4						1	2			3
	Geometry Plan – Sheet 2 of 4						1	2			3
	Geometry Plan – Sheet 3 of 4						1	2			3
	Geometry Plan – Sheet 4 of 4						1	2			3
	Typical Pavement Sections						1	2			3
	Erosion & Sedimentation Control Plan						1	2			3
	Erosion & Sedimentation Control Notes and Details						1	2			3
	Grading & Drainage Plan – Sheet 1 of 4						2	4			6
	Grading & Drainage Plan – Sheet 2 of 4						2	4			6
	Grading & Drainage Plan – Sheet 3 of 4						2	4			6
	Grading & Drainage Plan – Sheet 4 of 4						2	4			6
	Drainage Details						2	4			6
	Pre-Development Drainage Area Map						2	4			6
	Post-Development Drainage Area Map						2	4			6
	Concrete Paving Joint Layout Plan – Sheet 1 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 2 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 3 of 4						1	2			3
	Concrete Paving Joint Layout Plan – Sheet 4 of 4						1	2			3
	Concrete Pavement Joint Details						1	2			3
	Concrete Pavement Joint Elevation Plan – Sheet 1 of 4						1	1			2
	Concrete Pavement Joint Elevation Plan – Sheet 2 of 4						1	1			2
	Concrete Pavement Joint Elevation Plan – Sheet 3 of 4						1	1			2
	Concrete Pavement Joint Elevation Plan – Sheet 4 of 4						1	1			2

SCOPE / TASK TITLE		SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL	
	Pavement Marking Plan – Sheet 1 of 4						1	2			3	
	Pavement Marking Plan – Sheet 2 of 4						1	2			3	
	Pavement Marking Plan – Sheet 3 of 4						1	2			3	
	Pavement Marking Plan – Sheet 4 of 4						1	2			3	
	Pavement Marking Details – Sheet 1 of 3						1	2			3	
	Pavement Marking Details – Sheet 2 of 3						1	2			3	
	Pavement Marking Details – Sheet 3 of 3						1	2			3	
	Utility Plan – Sheet 1 of 4						1	2			3	
	Utility Plan – Sheet 2 of 4						1	2			3	
	Utility Plan – Sheet 3 of 4						1	2			3	
	Utility Plan – Sheet 4 of 4						1	2			3	
	Utility Details – Sheet 1 of 3						1	1			2	
	Utility Details – Sheet 2 of 3						1	1			2	
	Utility Details – Sheet 3 of 3						1	1			2	
	Utility Profiles – Sheet 1 of 4						1	2			3	
	Utility Profiles – Sheet 2 of 4						1	2			3	
	Utility Profiles – Sheet 3 of 4						1	2			3	
	Utility Profiles – Sheet 3 of 4						1	2			3	
	Specifications					2	8	4			14	
	Stormwater Permitting					2	40	48			90	
	Architectural		32	200	400						632	
	Structural					80	120	160			360	
	Mechanical					40	48				88	
	Plumbing					20	40				60	
	Fire Protection					20	32				52	
	Electrical					24		60	80		164	
	Communication / Technology					32	48				80	
	PM / Coordination	8	8	16							32	
6.2	Permit Document Submittal & QC	4	4	12	16	16	34	32			118	
6.3	100% Construction Document Review Meeting	4		8	8	52		2			74	
6.4	Visualization Renderings		200	200							400	
6.5	Project Management and Discipline Coordination	20	48	32	24	24					148	
SUBTOTAL HOURS		36	292	468	448	312	435	424	80	0	2495	
RATE		\$287.02	\$245.39	\$125.87	\$85.16	\$246.63	\$151.55	\$96.47	\$111.75	\$60.37		
TOTAL DIRECT LABOR \$		\$10,332.72	\$71,653.88	\$58,907.16	\$38,151.68	\$76,948.56	\$65,924.25	\$40,903.28	\$8,940.00	\$0.00	\$371,761.53	
Total Proposed Fee for:										PHASE 3C - 100% CONSTRUCTION DOCUMENTS (Lump Sum)		\$371,761.53
PHASE 4 - BIDDING AND AWARD OF CONTRACT - Not included in this proposal												

SCOPE / TASK TITLE	SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
PHASE 5 - CONSTRUCTION ADMINISTRATION SERVICES - Not included in this proposal										
REIMBURSABLES										
	# DWGS	# PAGES								
REPRODUCTION	@	@								
	\$1.60	\$0.10	# SETS							
60% CDs	245	500	4							\$1,768
90% CDs	245	500	4							\$1,768
100% CDs	245	500	4							\$1,768
Permit Sets	245	500	4							\$1,768
TOTAL REPRODUCTION										\$7,072
	# PKGS	# PKGS								
POSTAGE / DELIVERY	@	@								
	\$15.00	\$3.00								
60% CDs	\$60.00	\$12.00								\$72
90% CDs	\$60.00	\$12.00								\$72
100% CDs	\$60.00	\$12.00								\$72
Permit Sets	\$60.00	\$12.00								\$72
TOTAL POSTAGE / DELIVERY										\$288
TRAVEL			Airfare @	Car @	Lodging @	Meals @	# Equiv. Trips			
	#People	#Days	\$420	\$75	\$180	\$40				
Task 4.9 (Tenant & Stakeholder Programming)			\$840	\$900	\$1,080	\$400				\$3,220
Task 4.12 (Code & Permitting Research)			\$840	\$300	\$360	\$160				\$1,660
Task 4.14 (60% Construction Document Review Meeting)			\$840	\$900	\$720	\$480				\$2,940
Task 5.9 (Stakeholder & Tenant Coordination Meetings)			\$840	\$900	\$1,080	\$400				\$3,220
Task 5.13 (90% Construction Document Review Meeting)			\$840	\$900	\$720	\$480				\$2,940
Task 6.4 (100% Construction Document Review Meeting)			\$840	\$900	\$720	\$480				\$2,940

SCOPE / TASK TITLE	SR. PROJ. MANAGER	SENIOR ARCHITECT	ARCHITECT	INTERN ARCHITECT	SENIOR ENGINEER	ENGINEER	INTERN ENGINEER	TECH/ DESIGNER	ADMIN. ASSISTANT	TOTAL
REIMBURSABLES (Not-to-Exceed)										\$24,280.00
SUBCONSULTANTS (Lump Sum)										
SUBCONSULTANTS										
Quantum (Electrical)										\$149,029.00
Connico (Cost Estimating)										\$79,100.00
MOBIO (Architectural Support)										\$323,400.00
Master Consulting Engineers (QC Structural)										\$32,078.44
JLRD (Mechanical)										\$391,930.00
Keith										\$41,105.50
SUBCONSULTANTS (Lump Sum)										\$1,016,642.94
SUMMARY										
PHASE 1A - PLANNING AND PROGRAMMING - Not included in this proposal										\$0.00
PHASE 1B - CONCEPTUAL DESIGN - Not included in this proposal										\$0.00
PHASE 2 - SCHEMATIC DESIGN - Not included in this proposal										\$0.00
PHASE 3A - 60% CONSTRUCTION DOCUMENTS (Lump Sum)										\$674,547.79
PHASE 3B - 90% CONSTRUCTION DOCUMENTS (Lump Sum)										\$556,878.61
PHASE 3C - 100% CONSTRUCTION DOCUMENTS (Lump Sum)										\$371,761.53
PHASE 4 - BIDDING AND AWARD OF CONTRACT - Not included in this proposal										\$0.00
PHASE 5 - CONSTRUCTION ADMINISTRATION SERVICES - Not included in this proposal										\$0.00
Expenses (Not-To-Exceed)										\$24,280.00
Subconsultants (Lump Sum)										\$1,016,642.94
TOTAL BASIC SERVICES CONTRACT VALUE										
Task Authorization No. I-21-PBI-R-023 - Concourse B Expansion - Construction Documents (Lump Sum)										\$2,644,110.87

QUANTUM

Electrical Engineering, Inc.

March 25, 2021

RS&H, Inc.
Mr. John Carrigan, PE, LEED AP+
Vice President, Aviation
3125 W Commercial Blvd, Suite 130,
Fort Lauderdale, FL 33309

Subject: Electrical Engineering Services Fee Proposal for the Palm Beach County
Department of Airports (DOA) – TASK I-19-PBI-R-011 – CONCOURSE B
EXPASION AS REFLECTED IN RS&H SCOPE OF SERVICES, DATED
NOVEMBER 19, 2019.

Dear John:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide RS&H an electrical engineering services fee proposal for the proposed new Concourse B Expansion project. **This proposal is based on the assumption that the 400Hz Replacement project has replaced the Concourse B electrical Substation B equipment and the electrical normal power conductor feeders between the NPDS Switchgear in the Main Terminal Electrical room and the Concourse B electrical room.**

The following design tasks are included in our scope:

Phase 3A, 3B, 3C Construction Documents

- Includes design coordination meetings with the DOA, PBC Planning & Zoning, Fire Marshal and RS&H Design Team.
- Design electrical modifications to the existing DOA 13.2 KV electrical distribution equipment located in the existing Concourse B electrical room. Includes extending new primary 13.2 KV to new electrical room located within the new Concourse B expansion.
- Provide new normal power distribution system for Concourse B Expansion. Includes new 13.2KV to 480V step down transformers and new main-tie-main substation for normal power with new transformers, switchboard, breakers, cable & conduit systems.
- Provide new emergency power distribution system for existing Concourse B and Concourse B Expansion. Includes new 4160V emergency power feeders routed in the existing ductbank between EPDS switchboard in the main terminal electrical room and existing Concourse B electrical room. Includes replacement of existing 4160V to 480V step down transformer and switchboard for emergency power with new larger sized transformer and cable & conduit systems. Includes extending emergency power to new Concourse B expansion electrical room.
- Design new 480/277Volt & 208/120V 3 Phase 4 wire, normal & emergency main electrical service at the proposed Concourse B Expansion electrical room. Includes all electrical calculations, HVAC air handler circuits, switchboards, panelboard layouts, cable & conduit systems, grounding, and lightning protection systems.
- Includes design of power systems for new and relocated jet bridges, 400HZ and PC Air point-of-use systems, apron aircraft grounding receptacles, apron high mast lighting, power for heated water hose cabinets and lighted exterior gate numbering for the Concourse B Expansion.

Palm Beach County
2755 Vista Parkway, Suite I-9
West Palm Beach, FL 33411
561.210.9224

www.QuantumElectricalEngineering.com

Broward County
5571 N. University Drive, Suite 101
Coral Springs, FL 33067
954.369.5810

Page 2

Mr. John Carrigan, P.E.

Electrical Engineering Services Proposal for the PBCDOA PBI Concourse B Expansion

- Design LED lighting systems (fixtures selected by Architect) with point-by-point lighting calculations for apron, concourse and DOA interior spaces along with modifications to the existing lighting control system to meet current County lighting codes, Florida Building Code, Energy code and DOA requirements.
- Design new Concourse B interior & exterior normal & emergency electrical power, lighting and fire alarm systems to meet current County, Florida Building, NEC, NFPA codes and DOA standards. Includes electrical risers, panel schedules, power for DOA spaces, power for concourse signage and advertising, equipment electrical circuits, interior & exterior lighting circuits, (telephone & computer equipment / systems for DOA and airlines designed & provided by Others), grounding system, and lightning protection systems.
- Integration of the control of the smoke evacuation system into the fire alarm system.
- Design of expansion of the fire alarm system into the concourse B expansion. Includes notification and signalization devices and equipment layout, calculations and riser diagrams to meet current NFPA 72, Florida Building Code and DOA requirements.
- Include power for gate desks, seating, FIDS, passenger information displays, TV and charging stations in the concourse/holdroom(s) level.
- Includes electrical capacity and infrastructure for normal and emergency power for proposed future mezzanine level.
- Design electrical infrastructure with new electrical panels located in tenant shell spaces for tenant(s) buildout(s). DOA to provide minimum capacity of electrical panels per tenant space.
- Includes preliminary short circuit calculations for sizing of electrical equipment withstand ratings for permitting and bidding purposes. Final coordination study and arc flash analysis and labeling to be completed under CA services.
- QUANTUM shall provide one electronic set of plans and specifications for Phases 1B, 2, 3A, 3B, 3C, and construction set to RS&H. RS&H shall provide all printing of plans & specifications to the County for all reviews, permitting, bidding and construction phases.
- Does not include any type of IT communications, PA system & access control / security systems (by others)
- Does not include new chillers, new cooling towers for expansion or upgrades to the existing chiller plant electrical systems.
- Does not include replacement of existing emergency power generators.
- Does not include replacement of existing fire pump.

Our proposed Lump Sum fee for Phase 3A,3B,3C is: \$149,029.00

(See Attachment for Breakdown)

Sincerely,



Amy Champagne-Baker, PE
President

Palm Beach County
2755 Vista Parkway, Suite I-9
West Palm Beach, FL 33411
561.210.9224

www.QuantumElectricalEngineering.com

Broward County
5571 N. University Drive, Suite 101
Coral Springs, FL 33067
954.369.5810

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS- New PBI Concourse B Expansion									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL DESIGN to RSH 03/25/21									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
									\$0.00
Planning & Design							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
60% Design Ph 3A		200	180	120		64	564		\$65,030.00
90% Construction Documents Ph 3B		140	160	120		40	460		\$52,499.40
100% Construction Documents Ph 3C		100	80	60		40	280		\$31,499.60
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
Subtotal	0	440	420	300	0	144	1304		\$149,029.00
Construction Administration									\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
							0		\$0.00
Subtotal	0	0	0	0	0	0	0		\$0.00
Grand Total Hours	0	440	420	300	0	144	1304		
Grand Total Labor Cost	\$0.00	\$63,461.20	\$58,153.20	\$20,769.00	\$0.00	\$6,645.60			\$149,029.00



EXHIBIT A – SCOPE OF WORK AND FEE

Project Scope

This project is for the design and documentation of the expansion of Concourse B Hold Room and Concessions Areas. The basis of this project will be the September 30, 2019 “Palm Beach International Airport (PBI) Terminal Expansion Program Study,” by RS&H. Based on the project definition in that report, the expanded Concourse will be approximately 56,000 square feet and have a budget cost of \$27 million for the building and \$5 million for the associated Apron/Site works. The new expansion will be located at the end of Concourse B. Multiple phases of construction are anticipated in order to minimize the impact to flight and airline operations.

The construction budget has been estimated at \$42.7M (inclusive of Apron & Building scopes, GC markups & escalation; soft costs are not included).

Basic Scope of Services

Connico proposes to provide the following services:

- ⇓ 60% Design Estimate
- ⇓ 90% Design Estimate
- ⇓ 100% Design Estimate

Each phase includes an initial scope of work review meeting and a draft estimate review meeting via teleconference. The teleconference meeting is to occur prior to issuing an electronic copy of the report. A limited site visit for the purposes of providing an opinion of probable cost is not included. This proposal is for planning, design phase services only; construction phase services are not included.

Hazardous Materials Abatement is not included. If the Client provides an estimate for hazardous materials, Connico will include in the estimate and cite the source.

In providing estimates of probable construction cost, the Client understands that Connico has no control over the cost or availability of labor, equipment, or materials, or over market conditions or the Contractor's method of pricing, and that Connico’s estimates of probable construction costs are made on the basis of Connico’s professional judgment and experience. Connico makes no warranty, express or implied, that the bids, or the negotiated cost of the Work, will not vary from Connico’s estimate of probable construction cost.

Connico will require an electronic version of the drawings (PDF) and narrative/specifications, and a copy of the soil borings report, if available and applicable.

Connico will provide an electronic copy of the report.

Deliverables

The estimate will be prepared in a format to fit the requirements of the Client, provided the format is established at the beginning of the estimating task. The estimate will identify Connico’s opinion of probable construction cost of the project, based on the documents provided by the Client. Connico is entitled to rely and will rely on the accuracy and completeness of all such documents without undertaking an independent investigation to confirm the same.

Also included within the report shall be the estimate notes. The notes will contain allowances, criteria, and clarifications for the estimate, based on Connico’s assumptions and verbal information provided by the design team. The notes will also include any other comments about the project that Connico believes are relevant.

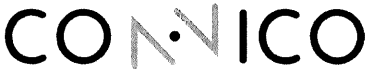


EXHIBIT A – SCOPE OF WORK AND FEE

Connico will provide an electronic copy of the report.

The report shall be prepared within twelve (12) business days from the date all design information required is received by Connico. In the event that supplemental information is furnished to Connico after a task has begun, and such information requires changes to any quantity take-off currently in progress, Connico reserves the right to request additional compensation for any such additional work. No additional time shall be expended on work affected by such supplemental information without the prior written consent of the Client and an agreement having been reached as to the scope and additional fee required.

Proposed Fees (Basic Scope of Services)

⇓ 60% Design Estimate	\$35,100.00
⇓ 90% Design Estimate	\$31,300.00
⇓ 100% Design Estimate	\$12,700.00
Total Proposed Fees	\$79,100.00

The proposed fees are based on providing all listed phase of estimates. Should the Client elect to change the scope of services, Connico reserves the right to renegotiate our fees.

Proposed fees are based on providing one draft report for review and comment and one final report. Should additional revisions be requested, these shall be considered additional services.

Services not set forth above and not listed in Exhibit A of this Agreement are specifically excluded from the scope of Connico’s services. Connico assumes no responsibility to perform any services not specifically listed in Exhibit A.

Additional Services

Additional services are not included as part of the Basic Scope of Services and shall be paid for by the Client, in addition to payment for Basic Services, in accordance with Connico’s schedules below, or as agreed to by the Client and Connico.

Basic Services do not include, cost management, evaluating or making recommendations regarding substitution of materials, products, or equipment proposed, design alternatives or value engineering building or site systems; reconciliation estimates or services, and meetings not included within the base proposal. Connico shall be reimbursed for additional services at the rates included within the agreement.

Proposal submitted by:

Ian de Keyzer, FRICS



April 20, 2021

RS&H, Inc
3125 W Commercial Blvd,
Suite 130,
Fort Lauderdale, FL 33309

Attn.: Scott Slaughter, AIA, NCARB
Senior Aviation Architect

Re: Proposal for Professional Architectural Support Services
Palm Beach International Airport (PBI)
Expansion of Concourse 'B' – Phases 3A, 3B, and 3C
Task Authorization No. I-21-PBI-R-023

Dear Scott;
Thank you for giving our team the great opportunity to support you and RS&H, Inc. in the development of this exciting project. MOBIO Architecture, Inc. (MOBIO) is pleased to provide you with professional architectural support services for the PBI Concourse 'B' Expansion, which scope of professional services is listed further in this document.

SCOPE:
Based on our understanding, professional services ("Services") required of MOBIO would encompass architecture and planning professional services support to the expansion of Concourse 'B' at PBI. RS&H furnished initial scope document with general overview of the project and understanding of Owner's expectations. MOBIO professional services will be consistent with the extent of scope specified in the executed Subcontract for Professional Services for the RSH's PBI Facilities On-Call Contract (Prime Agreement).

DELIVERABLES:
Per scope document for Task No. I-21-PBI-R-023 'Palm Beach International Airport – Concourse B Expansion (Construction Documents Only)', the following deliverables or project milestones were identified for this project.

- Phase 3A – 60% Construction Documents.
- Phase 3B – 90% Construction Documents.
- Phase 3C – 100% Construction Documents.

ASSUMPTIONS:

1. MOBIO shall have no responsibility for the discovery, presence, handling, removal, disposal of or exposure of persons to hazardous materials in any form at the Project site, including but not limited to asbestos, asbestos products, polychlorinated biphenyl (PCB), mold, or other toxic substances.
2. MOBIO will have access to the area of work throughout the development of this project.

SUB-CONSULTANT:
MOBIO will not be required to sub-contract any technical or professional services for this project.

COMPENSATION:
Stipulated Sum in the amount of amount of Three Hundred Twenty-Three Thousand Four Hundred dollars and Zero cents (\$ 323,400.00).

MOBIO Architecture, Inc. . License No. AA26003775
6303 Blue Lagoon Drive, Suite 310, Miami, Florida 33126 . e. contact@mobioarchitecture.com . www.mobioarchitecture.com



In support of RS&H’s design & construction documentation efforts, MOBIO will provide the services of two (2) full-time, dedicated staff members (average of 40 hours/week) for the period of sixty (36) weeks for Phase 3 for the Concourse B Expansion project with proper supervision from MOBIO’s partners. Specific work scope definitions remain to be defined at this time. Efforts are not to exceed \$ 323,400.00 without prior written agreement of the parties.

SCHEDULE:
Based on the scope document prepared and furnished by RS&H, we understand the following are milestones for the various project deliverables.

Design Activities/ Phases	Estimated duration (Calendar Days)
Phase 3A – 60% Construction Documents	One Hundred-Twenty (120) Days
Phase 3B – 90% Construction Documents	Ninety (90) Days
Phase 3C – 100% Construction Documents	Sixty (60) Days

CHANGE IN SERVICES:
Services required of MOBIO that are not defined in the scope of work above shall be considered Change-In-Service. A Proposal for additional services will be presented in the event these are necessary or as requested by the RS&H and PBIA Department of Airports (DOA.)

Professional Hourly Rates	
MOBIO Architecture, Inc.	
Category:	Billing Rate:
Partner	\$ 250.00
Senior Project Manager	\$ 185.00
Project Manager	\$ 165.00
Senior Professional	\$ 175.00
Professional	\$ 145.00
Pre-Professional	\$ 100.00
Technical	\$ 95.00
Clerical	\$ 75.00

Professional services rendered by MOBIO will follow requirements of the Agreement Between the Consultant (RS&H) and the Sub-Consultant (MOBIO), executed on 7/2/2019. Should this proposal meet your needs and requirements for this project, please provide us with a Work Order for MOBIO to begin professional services. Scott, it is our pleasure to be of professional service to support you and RS&H for this exciting project at Palm Beach International Airport.

Cordially,
MOBIO Architecture, Inc.

Abdel F. Martel
President

Cc: MOBIO Proposal File 19-000-40
MOBIO Architecture, Inc. . License No. AA26003775
6303 Blue Lagoon Drive, Suite 310, Miami, Florida 33126 . e. contact@mobioarchitecture.com . www.mobioarchitecture.com

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS- New PBI Concourse B Expansion MOBIO ARCHITECTURE, INC. SCOPE FEE SUMMARY FEE PROPOSAL ARCHITECTURE-PLANNING SUPPORT to RSH 04-20-2021										
Rate					\$145.00	\$100.00				
		Principal	Project Manager	Sr. Professional	Professional	Pre-Professional	Clerical	Total		TOTAL
PHASE OF WORK		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
										\$0.00
Planning & Design										\$0.00
										\$0.00
Conceptual Design	Ph 1B				0	0				\$0.00
Schematic Design	Ph 2				0	0				\$0.00
60% Construction Documents	Ph 3A				580	640				\$148,100.00
90% Construction Documents	Ph 3B				420	447				\$105,600.00
100% Construction Documents	Ph 3C				260	320				\$69,700.00
										\$0.00
										\$0.00
										\$0.00
										\$0.00
										\$0.00
										\$0.00
Subtotal		0	0	0	1260	1407	0	2667		\$323,400.00
Construction Administration										\$0.00
								0		\$0.00
								0		\$0.00
								0		\$0.00
								0		\$0.00
								0		\$0.00
								0		\$0.00
Subtotal		0	0	0	0	0	0	0		\$0.00
Grand Total Hours		0	0	0	1260	1407	0	2667		
Grand Total Labor Cost		\$0.00	\$0.00	\$0.00	\$182,700.00	\$140,700.00	\$0.00			\$323,400.00



AGREEMENT FOR PROFESSIONAL SERVICES

May 8, 2021

Michael Strickler, P.E.
RS&H, Inc.
3125 W. Commercial Blvd. Suite 130
Fort Lauderdale, FL 33309
Phone: (954) 236 - 7364
E-mail: Michael.Strickler@rsandh.com

Project Name: PBI Concourse B Expansion
KEITH Project Number: 10216.06

Dear Mr. Strickler:

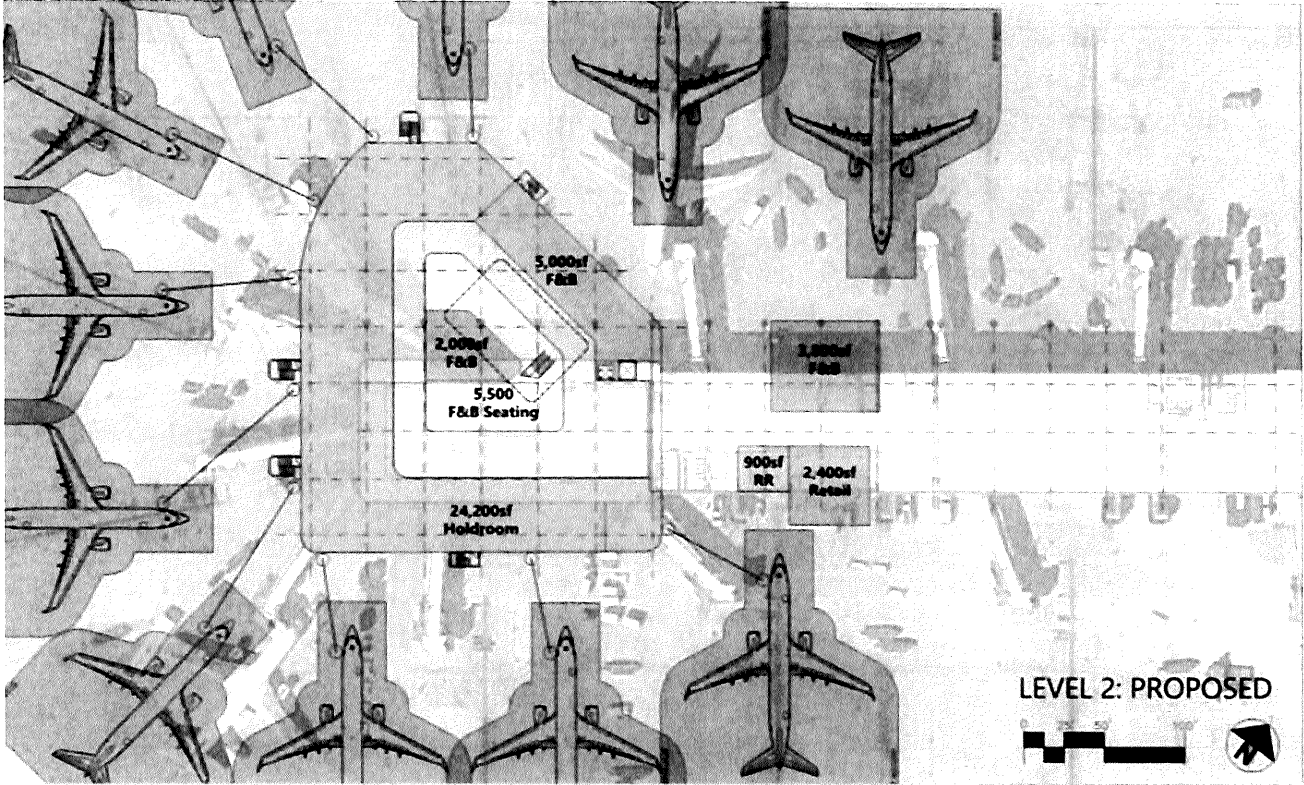
In accordance with your request and subsequent discussions between members of our association and yourself, this agreement between Keith and Associates, Inc. dba KEITH (CONSULTANT) and RS&H ("CLIENT") for professional services is submitted for your consideration and approval. The purpose of this Agreement is to outline the scope of services recommended by KEITH and accepted by CLIENT, and to establish the contractual conditions between KEITH and CLIENT with respect to the proposed services.

PROJECT UNDERSTANDING

The CLIENT has requested that KEITH provide Civil (Water/Sewer) services to develop 100% Construction Documents and prepare and process permitting approvals.

www.KEITHteam.com

Project Areas – Site Map



APPROACH

KEITH believes in a context-based approach that considers multiple facets of the development process resulting in solutions that are curated for each authentic scenario. In addition to the traditional design approach, we believe careful consideration should be given to economic, ecological, and social factors. This cohesive approach to each project is engineered to enhance the opportunity for a resilient solution.

Our approach is categorized into the following three general phases:

- Exploration Phase – The process of becoming familiar with an area through extensive analysis.
- Inspiration Phase – The process of developing ideas emanating from the exploration process.
- Implementation Phase – The process of activating a decision or plan

May 8, 2021 / Page 3 of 5
10216.06 PBI Concourse B Expansion
RS&H

PROJECT SCOPE

KEITH services included for this project:

☐ Survey

- ☐ ALTA/NSPS
- ☐ Topography
- ☐ Boundary
- ☐ Tree
- ☐ Sketch and Description
- ☐ Construction Layout
- ☐ Construction As-Built
- ☐ Other_____

☐ SUE

- ☐ Horizontal Designation
- ☐ Location Services
- ☐ Utility Mapping
- ☐ Records Research
- ☐ Other_____

☐ Planning Services

- ☐ Due Diligence
- ☐ Platting
- ☐ Rezoning
- ☐ Conditional Use Permit
- ☐ Right of Way Vacation
- ☐ Site Plan Processing and Coordination
- ☐ Other_____

☒ Civil Engineering Services

- ☐ Paving, Grading and Drainage
- ☒ Water Distribution and Sanitary Sewer
- ☐ Erosion Control Plan
- ☐ Other_____

☐ Transportation Engineering Services

- ☐ Major Roadway
- ☐ Minor Roadway
- ☐ Drainage
- ☐ Maintenance of Traffic Plans
- ☐ Quality Control
- ☐ Other_____

☐ Traffic Engineering Services

- ☐Traffic Impact Study
- ☐Traffic Impact Statement
- ☐ Parking Study
- ☐ Pavement Marking and Signage
- ☐ Signalization
- ☐ Roadway Lighting
- ☐ Other_____

☐ Landscape Architecture Services

- ☐ Hardscape and Paving
- ☐ Fine Grading
- ☐ Landscape
- ☐ Irrigation
- ☐ Site Lighting
- ☐ Pools or Water Features
- ☐ Specialty Features
- ☐ Other_____

☒Construction/Program Management Services

- ☒ Permitting
- ☐ Bidding Assistance
- ☐ Construction Observation
- ☐ Construction Certification
- ☐ Other_____

It is assumed adequate service points already exist on-site or at the abutting site boundary or in the adjacent public right-of-way. No sewage pump station or offsite improvements or extensions, other than service connections, are anticipated under this Proposal.



Engineering Inspired Design.

DESCRIPTION OF SERVICES AND DELIVERABLES

CIVIL ENGINEERING SERVICES

Construction Documents (CD) – Final Engineering

Water Distribution and Sanitary Sewer Plans

KEITH shall prepare combined water distribution and sanitary sewer system plans to service the proposed development. Water and sanitary sewer calculations shall be performed to address the impacts of the proposed development relating to the requirements for permit agency submittal.

It is anticipated that all existing utility infrastructure is adequate to provide the required domestic water, fire, and sanitary sewer services to the proposed improvements. An evaluation of the existing infrastructure regarding capacity to service the proposed development will be made. Design services for Public Infrastructure improvements required to serve the proposed development will be addressed with a supplemental additional services agreement. These engineering services do not include the extension/replacement and/or upsizing of any existing water and/or sanitary sewer mains surrounding the site, not including those directly requiring relocation to allow for the new structural components of the project. Services associated with designing; and permitting any off-site infrastructure improvements (not including the existing ARFF facility lift station) required to provide service to the site will be addressed as additional services. If the project requires that we tie into the existing lift station to the southeast of the project and the existing station is unable to handle the new flows, we will provide the additional scope and fee for analyzing the lift station calculations to ensure a new fully functioning pump with proper float elevations is installed.

Deliverables

1. Construction Documents (60%, 90%, and Final Construction Documents) for above referenced Plans.
2. Specifications – For above referenced Design Elements (specifications may be included in the plan sheets or a separate document for inclusion in the Contract Document Specification book.)
3. Water and Sewer Calculations as required.
4. Meetings and Team Coordination – During the specified duration in the project schedule, the KEITH team will attend all required meetings and coordination. It is assumed all meetings will be in South Florida.

Engineering Permitting

KEITH shall attend required pre-application meetings with agencies having jurisdiction over the facilities designed by KEITH, and prepare and submit the permit applications for the construction of the following improvements and process them through the following regulatory agencies:

Water and Sewer System

- Palm Beach County Water Utilities Department (PCWUD) – Potable Water Approval
- Palm Beach County Health Department (PBCHD) – Potable Water Permit (DEP Form)
- Palm Beach County Water Utilities Department (PCWUD) – Wastewater Approval
- Palm Beach County Health Department (PBCHD) – Wastewater Permit (DEP Form)

If additional permits are required, KEITH shall process them and the fees for these additional services will be submitted to CLIENT as additional services under a contract addendum if required.



May 8, 2021 / Page 5 of 5
10216.06 PBI Concourse B Expansion
RS&H

Deliverables

- 1. Permit applications and submittal documents required for above listed regulatory agencies for the listed project improvements.

Lump Sum Fee for Civil Engineering services will be.....\$41,105.50

The CLIENT is required to execute this Addendum and return it to the CONSULTANT prior to commencement of the additional services described herein. All items, terms and conditions of the original Agreement (as amended to include the scope defined herein) remain unchanged and in full force and effect.

IN WITNESS WHEREOF, CONSULTANT and CLIENT have executed this agreement the day and year indicated below.

KEITH

Dean Koggan, PE
Project Manager I

DATED: _____

CLIENT APPROVAL

Signature: _____

Print Name: _____

Title: _____

DATED: _____





Palm Beach County Airport General Services
Labor Rate Schedule: 2019 Rates

PBI Concourse B Expansion

Subconsultant Name: RS&H
Rate Proposal Date: 05/06/2021

KEITH ENGINEERING SERVICES				
Employee Title		Total Hourly Rate \$/Hour	HOURS	TOTALS
Project Manager III		220.99	50	\$11,049.50
Engineer III		132.6	120	\$15,912.00
Technician II		88.4	160	\$14,144.00
Total Lump Sum Fee				\$41,105.50



MASTER
CONSULTING
ENGINEERS, INC.
STRUCTURAL CONSULTANTS

5523 WEST CYPRESS ST., SUITE 200
TAMPA, FLORIDA 33607
P (813) 287-3600 F (813) 287-3622

4101 RAVENSWOOD RD., SUITE. 307
FT. LAUDERDALE, FLORIDA 33312
P (954) 210-7671 F (813) 287-3622

5950 LAKEHURST DR., SUITE. 183
ORLANDO, FLORIDA 32819
P (407) 351-2384 F (813) 287-3622
www.mcengineers.com

November 19, 2019

Mr. Richard Emerson, AIA, LEED AP
Aviation Architect
1715 N. Westshore Blvd.
Suite 500
Tampa, FL 33607

RE: Palm Beach International Airport.
Concourse B Expansion

Gentlemen:

Master Consulting Engineers, Inc. (MCE) is pleased to present this proposal for structural engineering services for the expansion of the Concourse B at the Palm Beach International Airport, Florida.

Project Description/ Scope of Work:

Based on information provided, the following is MCE’s understanding and assumptions of the required tasks for this project:

- a) MCE will assist RS&H Structural team with the design of the expansion of the Concourse B at PBI. Our scope will be to provide Quality Control review of the construction documents and provided comments and recommendations to the design team.

\$32,078.44


MCE proposes to provide the Basic Scope of Services indicated above for a lump sum fee of ~~\$37,040.00~~ plus expenses. A detailed schedule of charges is included in the “Scope Fee Summary” enclosed with this proposal.

Invoicing will be on a monthly basis in accordance with the amount of work done. Invoices for all phases are due in thirty (30) days from the date they are submitted.



Should you be in agreement with this proposal, please signify by signing in the space provided below and return a copy to our office for our files. If drawings are received for us to proceed with work in this project, it will be understood that the proposal has been accepted as is, even though a signed copy has not been received.

Very truly yours,
Master Consulting Engineers, Inc.


Armando Castellon
Sr. Principal

Accepted by

(enclosures)

Title

STANDARD SCHEDULE OF CHARGES

I. PAYMENT FOR SERVICES

- A. When Master Consulting Engineers, Inc. (MCE) is to be paid on the basis of time expended and expenses incurred on the project, compensation shall be determined as noted in Sections I and II hereunder.
- B. All time spent by MCE personnel, will be billed at the rates below. Current rates for each personnel classification are as noted in the table below. These rates will remain effective for a period of one year from the Effective Date of this schedule. The noted rates may thereafter be modified by MCE at six-month intervals depending on market conditions in accordance with the standard rates then being charged by MCE to other clients. However, any increase in the minimum and maximum rates will not exceed ten percent (10%) in any six-month period.

<u>Classification</u>	<u>Rate Per Hour</u>
Sr. Principal	\$ 225.00
Principal	\$ 200.00
Project Manager	\$ 150.00
Sr. Engineer	\$ 125.00
Project/ Design Engineer	\$ 105.00
Technician / CAD Operator	\$ 85.00
Administrative	\$ 90.00

A 50% premium (1 ½ times) will be charged over the rates indicated above for those hours required to be spent during Saturday, Sunday, Holidays or any day between 7:00pm and midnight and between midnight and 7:00am.

II. PAYMENT FOR OTHER DIRECT NON-SALARY EXPENSES

- A. All other expenses incurred will be separately billed at actual cost plus 10%. Such expenses include, but are not necessarily limited to, subcontractor, consultant, laboratory, and other outside vendor charges; Courier services, special delivery, long-distance phone and other communications; reproduction; special equipment costs necessary for project execution; special insurance premiums; and any other costs not otherwise part of general office overhead.
- B. The use of company or employee owned cars on the project will be billed at the rate authorized by the Internal Revenue Service (\$0.58) per mile as of the Effective Date of this Schedule. In the event rental vehicles are used at the option of the firm, the actual rental charges plus 15% will be billed in lieu of the mileage rate.

III. INVOICES AND PAYMENT TERMS

Unless otherwise agreed to in writing, invoices for all services regardless of billing type (time and expense, fixed fee, etc.) will be issued every month, payable within 30 days of the invoice date. Interest of one percent per month (but not exceeding the maximum rate allowable by law) will be payable on any amounts not paid within 30 days, payment thereafter to be applied first to accrued interest and then to the principal unpaid



amount. All reasonable attorneys' fees or other costs incurred in collecting any delinquent amount shall be paid by the Client.

MCE has the right to suspend services or terminate its obligations under this agreement if any invoiced amounts are not paid within 60 days. Once services are suspended for nonpayment, they will be resumed at the convenience of MCE when all principal amounts and accrued interest are paid in full. In the event of termination, MCE has the right to payment from the Client for reasonable costs associated with termination. Any election to suspend services shall not preclude a later election to terminate. Any failure by MCE to terminate or suspend services shall not constitute a waiver of these or any other rights. All rights and remedies in this Section III are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available at law or equity.

IV. TAXES

The Client shall pay the cost of any sales, use, excise, value added or similar tax which is or may become applicable to the services provided by MCE. All invoiced amounts shall be increased by the amount of any such tax.

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS- New PBI Concourse B Expansion									
Master Consulting Engineers, Inc.									
SCOPE FEE SUMMARY									
FEE PROPOSAL "Quality Control and Review of Structural Const. Documents" to RSH 11-18-2015									
	Rate	\$196.82	\$128.65	\$119.51	\$81.55	\$79.85	\$29.40		
		Sr. Principal	Principal	Sr. Struct. Eng.	Struct. Eng.	Sr. CAD / BIM	Clerical	Total	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	TASK COST
									\$0.00
Planning & Design									\$0.00
									\$0.00
Conceptual Design	Ph 1B								\$0.00
60% Design	Ph 3A	24		48	40				\$13,722.16
90% Construction Documents	Ph 3B	24		56	40				\$14,678.24
100% Construction Documents	Ph 3C	4		16	12				\$3,678.04
									\$0.00
									\$0.00
Subtotal		56	0	144	108	0	0	308	\$37,038.76
Construction Administration									\$0.00
								0	\$0.00
								0	\$0.00
								0	\$0.00
								0	\$0.00
								0	\$0.00
Subtotal		0	0	0	0	0	0	0	\$0.00
Grand Total Hours		56	0	144	108	0	0	308	
Grand Total Labor Cost		\$11,021.92	\$0.00	\$17,209.44	\$8,607.40	\$0.00	\$0.00		\$37,038.76

EXHIBIT A-2 – Task III Services

TASK III SERVICES

Level 3 Tasks – Miscellaneous Planning and Engineering Services: Work to be completed under Level 3 Tasks will be issued per the level of authority contained in PPW CW-F-050, by way of a separate proposal or task authorization, as described in the original Consulting Agreement (R-2019-0612).

TASK LEVEL / NO.	DESCRIPTION	BUDGET
Task III-19-DOA-R-001	Misc. AEP and Construction Consulting Services Amendment #4	\$ 0.00
Sub-total (Level 3)		\$ 0.00

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

This Amendment #4, as described herein, consists of multiple tasks. As summarized below, these initial efforts have an overall budget of \$2,644,110.87.

LEVEL 1 TASKS:

TASK Level / No.	DESCRIPTION	LUMP SUM	REIMBURSABLE EXPENSES	TOTAL
I-21-PBI-R-023:	PBI Concourse B Expansion (Construction Documents)	\$ 2,619,830.87	\$ 24,280.00	\$ 2,644,110.87

LEVEL 3 TASKS:

TASK LEVEL / NO.	DESCRIPTION	TOTAL
Task III-19-DOA-R-001	Misc. AEP and Construction Consulting Services Amendment #4	\$ 0.00

Grand Total (Amendment #4)	\$2,644,110.87
----------------------------	----------------

EXHIBIT B-II: Schedule of Payments

The Scope of Work to be completed by CONSULTANT as defined in Exhibit “A” consist of specific completion phases which shall be clearly identified on phase-by-phase basis upon submission to the COUNTY of certain “deliverables”¹ as expressly indicated below. Compensation for the work tasks stated herein shall be in accordance with the following schedule of payment.

The following is a list of projects in the Work Program #2: Amendment #4:

LEVEL 1 TASKS:

Task I-21-PBI-R-023	<u>PBI Concourse B Expansion (Conceptual and Schematic Design)</u>
Duration:	254 Working Days (~354 Calendar Days)
Compensation:	\$2,644,110.87

LEVEL 3 TASKS:

Task III-19-DOA-R-001	Misc. AEP and Construction Consulting Services Amendment #4
Duration:	As required in accordance with specific Task Authorizations
Compensation:	\$0.00

TOTAL = \$2,644,110.87

1. “Deliverables” shall be defined as progress reports, prepared maps, bid documents, completed drawings, specific reports, work plans, documentation of meetings attended, assessment study reports, analysis reports, summary reports, recommendation reports and related draft reports and verifiable deliverables.

EXHIBIT C – PROPOSED SCHEDULES

Task I-21-PBI-R-023	<u>PBI Concourse B Expansion (Construction Documents)</u>
Duration:	254 Working Days (~354 Calendar Days)

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

Table D-1 summarizes the estimated fee for each of our team members that are certified DBE firms for Amendment 4.

Table D-1: DBE Firms, Scheduled Payment, Scheduled % of Fee

Firm	Amendment 4 Totals	% of Amendment 4
MOBIO	\$ 323,400.00	12.23%
Connico	\$ 79,100.00	2.99%
Master Consulting Engineers	\$ 32,078.44	1.21%
Quantum	\$ 149,029.00	5.64%

TOTALS \$ 583,607.44 22.07%

THE REST OF THIS PAGE IS INTENTIONALLY LEFT BLANK.

Table D-2 summarizes the estimated fee for each of our team members that are certified DBE firms for the Total Contract.

Table 2: DBE Firms, Scheduled Payment, Scheduled % of Total Fee

Firm	R2019-0612 Totals	R2020-0414 Totals	R2020-1607 Totals	Amendment 4 Totals	Total Fees	% of Total Contract
Colome	\$ 76,502.57	\$ 164,286.41	\$ -	\$ -	\$ 240,788.98	2.39%
Tierra South Florida	\$ 28,715.00	\$ 26,985.00	\$ 29,240.00	\$ -	\$ 84,940.00	0.84%
Brown & Phillips	\$ 20,021.45 ¹	\$ 13,972.72	\$ 18,979.53	\$ -	\$ 52,973.70	0.53%
CECOS	\$ -	\$ 5,403.70	\$ -	\$ -	\$ 5,403.70	0.05%
MOBIO	\$ 175,869.56	\$ -	\$ 176,600.00	\$ 323,400.00	\$ 675,869.56	6.71%
Lakdas-Yohalem	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
Connico	\$ 100,900.00	\$ 107,100.00	\$ 69,000.00 ⁵	\$ 79,100.00	\$ 356,100.00	3.53%
Digital Building Services	\$ -	\$ -	\$ 183,689.00	\$ -	\$ 183,689.00	1.82%
Master Consulting Engineers	\$ -	\$ 79,865.96	\$ 4,960.00	\$ 32,078.44	\$ 116,904.40	1.16%
Quantum	\$ -	\$ 218,252.74 ¹	\$,181,840.38 ⁵	\$ 149,029.00	\$ 1,549,122.12	15.37%
CRJ	\$ -	\$ 117,500.00	\$ -	\$ -	\$ 117,500.00	1.17%
TOTALS	\$ 402,008.58 ⁴	\$ 733,366.53 ²	\$1,664,308.91 ⁶	\$ 583,607.44	\$ 3,383,291.46	33.57%

1. Total varies from Amendment 2 Table D-2 as Amendment 4 Table D-2 includes both Amendment 1 Level I and Level III projects thru Task III-20-PBI-R-018.
2. Total varies from Amendment 2 Table D-2, See Note #1.
3. Value differs from Amendment 1 & 2. Prior Amendments indicated value was \$20,021.35 which was a mistype.
4. Total differs from Amendment 1 & 2. See Note #3.
5. Total varies from Amendment 2 Table D-2 as Amendment 4 Table D-2 includes both Amendment 1 Level I and Level III projects thru Task III-21PBI-R-020.
6. Total varies from Amendment 2 Table D-2, See Note #5.

SCHEDULE 1(A)
LIST OF PROPOSED DBE FIRMS
(Professional Services)

LOI/SOQ Project Description: Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services for Palm Beach County Department of Airports

Name of Respondent: RS&H, Inc.

Change Order/Task/Amendment No. (if applicable): Amendment No 4

Contact Person: John Carrigan

E-mail Address: john.carrigan@rsandh.com

Address: 3125 West Commercial Blvd., Suite 130, Fort Lauderdale, FL 33309

Phone No.: 954-236-7396 Fax No: 954-474-3006

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification (Check applicable box)	Percentage of DBE Participation			
			Black	Hispanic	Women	Other (Please Specify)
Mobio Architecture	Supporting Architectural Services	<input type="checkbox"/> Prime Consultant <input type="checkbox"/> Subcontractor <input checked="" type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	12.23 _____ %	_____ %	_____ %
Connico Incorporated	Cost Estimating	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	2.99 _____ %	_____ %
Master Consulting Engineers	Supporting Structural Engineering Services	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	1.21 _____ %	_____ %	_____ %
Quantum Electrical	Electrical Engineering Design Services	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	5.64 _____ %	_____ %

Total Percentage of DBE Participation: 22.07 %

Notes:

- The percentages listed on this form for each DBE Firm must be supported by the percentages included on Schedule 2(A), "Letter of Intent to Perform as a Disadvantaged Business Enterprise", in order to be counted toward attainment of the DBE goal.
- Firms identified on this form must be certified as a DBE by the State of Florida's Unified Certification Program. Certification status can be verified on the Florida Department of Transportation's Biznet website at <https://www3.dot.state.fl.us/EqualOpportunityOffice/biznet/mainmenu.asp>.
- If materials or supplies are proposed to be purchased from a DBE regular dealer, the undersigned acknowledges that only sixty percent (60%) of the proposed expenditure will be counted toward attainment of the DBE goal.

By signing this form the undersigned Respondent is committing to utilize the above referenced DBE Firms on the Project and that the Respondent will monitor the DBE Firms to ensure that the work is actually performed by the by the DBE Firms.

By: _____
Signature
John Carrigan, P.E., Vice President, Aviation
Print Name/Title of Person Executing on Behalf of the Respondent

Date: May 17, 2021

SCHEDULE 2(A)
LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE
(Professional Services)

LOI/SOQ Project Description: Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services for Palm Beach County Department of Airports

Change Order/Task /Amendment No. (if applicable): _____

Name of Prime Respondent: RS&H, Inc.

Name of DBE Firm: Mobio Architecture, Inc.

The undersigned is certified as a Disadvantaged Business Enterprise by the State of Florida's Unified Certification Program. Check one or more classifications as applicable:

- ☐ Black ☒ Hispanic ☐ Women ☐ Other (Please Specify) _____
☐ Prime Consultant ☒ Subcontractor ☐ Manufacturer ☐ Supplier

The undersigned is prepared to perform the following described work in connection with the above-referenced project (specify in detail the particular work and/or parts thereof to be performed):

Supporting Architectural Services

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 12.23 %

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If the undersigned intends to subcontract any portion of the work described above to another subcontractor, please complete the following:

N/A N/A % ☐ DBE Certified
(Name of Subcontractor) (Percentage of work to be subcontracted) ☐ Non-DBE

The undersigned affirms that it has the resources necessary to perform the work described above without subcontracting the work to another subcontractor, except as noted above.

Mobio Architecture, Inc.

Printed Name of DBE Subcontractor

By: Abdel F. Martel
Signature

Date: 5/12/2021

SCHEDULE 2(A)
LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE
(Professional Services)

LOI/SOQ Project Description: Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services for Palm Beach County Department of Airports

Change Order/Task /Amendment No. (if applicable):

Name of Prime Respondent: RS&H, Inc.

Name of DBE Firm: Connico Incorporated

The undersigned is certified as a Disadvantaged Business Enterprise by the State of Florida’s Unified Certification Program. Check one or more classifications as applicable:

- ☐ Black
- ☐ Hispanic
- ☒ Women
- ☐ Other (Please Specify)
- ☐ Prime Consultant
- ☒ Subcontractor
- ☐ Manufacturer
- ☐ Supplier

The undersigned is prepared to perform the following described work in connection with the above-referenced project (specify in detail the particular work and/or parts thereof to be performed):

Cost Estimating

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 2.99 %

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If the undersigned intends to subcontract any portion of the work described above to another subcontractor, please complete the following:

(Name of Subcontractor)

(Percentage of work to be subcontracted)

%
☐ DBE Certified
☐ Non-DBE

The undersigned affirms that it has the resources necessary to perform the work described above without subcontracting the work to another subcontractor, except as noted above.

Connico Incorporated

Printed Name of DBE Subcontractor

By:

Cairne S. Gaudin

Signature

Date: 05 , 12 , 121

Schedule 2(A)
v.10-26-11

Schedule 2(A)
v.10-26-11

SCHEDULE 2(A)
LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE
(Professional Services)

LOI/SOQ Project Description: Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services for Palm Beach County Department of Airports

Change Order/Task /Amendment No. (if applicable): _____

Name of Prime Respondent: RS&H, Inc.

Name of DBE Firm: Quantum Electrical Engineering, Inc.

The undersigned is certified as a Disadvantaged Business Enterprise by the State of Florida's Unified Certification Program. Check one or more classifications as applicable:

- ☐ Black ☐ Hispanic ☒ Women ☐ Other (Please Specify) _____
☐ Prime Consultant ☒ Subcontractor ☐ Manufacturer ☐ Supplier

The undersigned is prepared to perform the following described work in connection with the above-referenced project (specify in detail the particular work and/or parts thereof to be performed):

Electrical Engineering Design Services

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 5.64 %

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If the undersigned intends to subcontract any portion of the work described above to another subcontractor, please complete the following:

(Name of Subcontractor)

(Percentage of work to be subcontracted)

% ☐ DBE Certified
 ☐ Non-DBE

The undersigned affirms that it has the resources necessary to perform the work described above without subcontracting the work to another subcontractor, except as noted above.

Quantum Electrical, Inc.

Printed Name of DBE Subcontractor

By: [Signature]
Signature

Date: 5/12/21

Airport General Consulting Professional Services - 2018					
RFP #: DOA-18-2A - Facilities & Systems					
Date: November 29, 2017					
Marketplace: BC, PBC, MDC					
DBE Project Goal: 18% - adjusted for past participation					
NAICS Description	NAICS Code	Estimated Percentage of	Available DBE	Total Available	Weighted Percentage
Engineering Services	541330	30.00%	149	1286	3.48%
Architectural Services	541310	45.00%	40	667	2.70%
Construction Management	236220	10.00%	239	815	2.93%
Testing Services	541380	2.50%	12	92	0.33%
Land Surveying & Mapping	541370	2.50%	24	144	0.42%
Planning Services	541320	10.00%	15	166	0.90%
Other Consulting Services	541690	0.00%	64	571	0.00%
Total		100.00%			10.75%

General Consulting Services Contracts	DBE Participation (to date)
R2006-2418	21%
R2009-1643	31%
R2011-1333	29%
R2014-0031	13%
Median Participation	25%
Adjustment for Past Participation	18%
DBE Project Goal	Percentage
	18%