



**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
Capital Expenditures	\$174,679				
Operating Costs					
External Revenues (Grants)					
Program Income (County)					
In-Kind Match (County)					
<b>NET FISCAL IMPACT</b>	<b>\$174,679</b>				

# ADDITIONAL FTE POSITIONS (Cumulative) \_\_\_\_\_

Is Item Included in the Current Budget?	Yes	<u>X</u>	No	
Does this item include the use of federal funds?	Yes		No	<u>X</u>
Does this item include the use of state funds?	Yes		No	<u>X</u>

Budget Account No: Fund 4111 Department 121 Unit A466 Object 6505

Reporting Category \_\_\_\_\_

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

C. Departmental Fiscal Review: 

**III. REVIEW COMMENTS**

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

  
 22 5/31 OFMB JH 5/30

  
 Contract Dev. and Control  
 Tmd 6/10/24

**B. Legal Sufficiency:**

  
 Assistant County Attorney

**C. Other Department Review:**

\_\_\_\_\_  
 Department Director

REVISED 11/17

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

Attachment No. 1

Amendment No. 4 with AVCON, Inc. -  
2 Originals with Contract History



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

This Amendment No. 4 to the Contract is made as of the 2nd day of July, 2024, by and between **Palm Beach County**, Florida (COUNTY) and **AVCON, INC.**, a corporation authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose Federal Tax I.D. number is 59-2890463.

WITNESSETH

WHEREAS, on September 13, 2022, the County entered into Agreement (R2022-1029) with the CONSULTANT for the CONSULTANT to provide Airport General Consulting Services for the Palm Beach County Department of Airports, for a period of two (2) years, with two (2) one (1) year renewal options, the exercise of which are within COUNTY'S sole control and discretion; and

WHEREAS, on October 3, 2023, the County entered into an Amendment No. 1 (R2023-1441) with the CONSULTANT for the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS, on December 19, 2023, the County entered into an Amendment No. 2 (R2023-1858) with the CONSULTANT for the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS, on January 23, 2024, the County entered into an Amendment No. 3 (R2024-0044) with the CONSULTANT for the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS Article 26 of the Contract requires an amendment when the parties are able to define additional 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 **One Hundred Seventy-Four Thousand Six Hundred Seventy-Eight Dollars and Twenty-Six Cents (\$174,678.26)** for the services described in this AMENDMENT NO. 4 to the original Contract.

AVCON, Inc.

AMENDMENT NO. 4 TO R2022-1029  
1 CONSULTING/PROFESSIONAL SERVICES

2. Except as specifically amended herein, all other terms and conditions of the Contract shall remain in full force and effect.

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 affixed hereto and attested by the Clerk of said board, and the CONSULTANT, AVCON inc., has caused these presents to be signed in its corporate name by its duly authorized officer, SANDEEP SINGH, PRESIDENT, 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:

PALM BEACH COUNTY, FLORIDA

ATTEST:

JOSEPH ABRUZZO  
CLERK OF THE CIRCUIT COURT  
& COMPTROLLER

PALM BEACH COUNTY, FLORIDA  
BOARD OF COUNTY COMMISSIONERS:

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Maria Sachs, Mayor

WITNESS:

CONSULTANT:

Suzanne M. Finney Digitally signed by Suzanne M. Finney  
Date: 2024.05.09 13:11:47 -04'00'  
\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
AVCON, INC.  
COMPANY NAME

\_\_\_\_\_  
Suzanne M. Finney  
Name (type or print)

Sandeep Singh Digitally signed by Sandeep Singh  
Date: 2024.05.09 13:12:25 -04'00'  
\_\_\_\_\_  
Signature

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

\_\_\_\_\_  
Sandeep Singh, P.E.  
Name (type or print)

By: Anne Helgert  
County Attorney

\_\_\_\_\_  
President  
Title

APPROVED AS TO TERMS  
AND CONDITIONS

By: Jan Bibe  
Director of Airports



AVCON, Inc.

AMENDMENT NO. 4 TO R2022-1029  
CONSULTING/PROFESSIONAL SERVICES

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**PALM BEACH COUNTY DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-1**

Task I-24-PBI-AV-012 PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project

Palm Beach International Airport (PBI)

**OVERVIEW**

The Palm Beach County Department of Airports (DOA) has requested that AVCON, Inc. (AVCON) provide services related to the Task I-24-PBI-AV-012 for the Palm Beach International (PBI) Terminal and Concourse Fire Alarm Strobe Synchronization Project (Project). The DOA recently renovated and updated the PBI Concourse B building facility (including the fire alarm system and notification devices) and desires to update/synchronize the remaining old fire alarm system located throughout the PBI Terminal and the Concourse A & C buildings. The completion of the project will result in all fire alarm strobe lights flashing simultaneously, providing a clear and uniform visual signal to the passengers and building tenants, thereby enhancing the effectiveness of the fire alarm system.

**PROJECT TEAM**

The Project Team for this task includes:

<b>Firm Name (CONSULTANT / SUBCONSULTANT)</b>	<b>Type of Services</b>
AVCON, Inc. (CONSULTANT)	Project Management and Coordination of the Design Team
Quantum Electrical Engineering, Inc. (SUBCONSULTANT)	Electrical Design Services consisting of the PBI Terminal/Concourses A & C electrical investigation and fire alarm synchronization design
Colomé & Associates, Inc. (SUBCONSULTANT)	Architectural Design Services consisting of the PBI Terminal/Concourses A/ C building modifications for the fire alarm system update (i.e. ceiling tile replacements and wall repairs for conduit openings)

**PROJECT UNDERSTANDING**

The Project work limits within the PBI Terminal and the Concourses A & C building areas are shown in the attached Exhibit A Project Work Limits Sketch, and Project generally consists of the following items:



- a. Modifications to the existing fire alarm system to replace approximately twenty-seven (27) outdated fire alarm digital amplifiers that are used for the fire alarm speakers.
- b. Modifications to the existing fire alarm system to replace the (2) outdated Onyxworks Workstations in the Coms Center and add one (1) new Onyxworks Workstation in the old Comm Center.
- c. Modifications to the existing fire alarm system to replace all outdated notification devices (strobes and/or speaker/strobes) to obtain strobe synchronization per the PBC Fire Marshal in the following PBI terminal/concourse facility locations:
  - Concourse A
  - Concourse C – 2nd Level
  - FIS Area
  - Terminal Enplanement and Deplanement Roadway areas
  - Terminal 1<sup>st</sup> Level Electrical rooms, chiller plant and loading dock
  - Terminal 2<sup>nd</sup> Level offices between existing column lines 25 and 48
  - Terminal 3<sup>rd</sup> level offices behind the ticket counters
- d. The design effort includes and assumes up to (10) new notification power supplies will be required to accommodate the new strobes and/or speaker/strobes and assumes that the existing fire alarm panels will remain in place and not be upgraded.
- e. Design shall be per DOA's requirements, County Codes, Florida Building Code, National Fire Alarm and Signaling Code and National Electrical Code (NEC).
- f. It is assumed that the work will be completed by the DOA's Construction Manager and Includes responses to CMAR Constructability Review and associated plan revisions.

## **SECTION I - SCOPE OF SERVICES**

AVCON's scope of services will be accomplished in two distinct phases: Phases 1 and 2. Phase 1 consists of three (3) subphases: sixty percent (60%) design completion of the Contract Documents (Phase 1A); ninety percent (90%) design completion (Phase 1B); and final design completion (100%) of Bid Documents (Phase 1C). Phase 2 consists of bidding and awarding of contract requirements.

### Task 1 – Project Scoping, Management and Administration

The AVCON project manager will act as the primary point of contact for the DOA. AVCON's role will be to manage the AVCON Team and coordinate the design effort. Responsibilities include coordinating with subconsultants and preparing project scoping and contract documents, organizing a project Kickoff Meeting, requesting as-built documentation from the DOA for preliminary design and project setup, coordinating site visits with the DOA, arranging and attending project meetings, preparing meeting agendas and meeting minutes. The project task manager will ensure the project receives the level of attention and resources necessary for successful completion, confirm that the DOA comments are addressed and incorporated into the design documents, and compile an Engineer's Cost Estimate at each Design Submittal. AVCON will prepare project invoicing for the design team.

### Task 2 – Project Design





### 2.1 – Project Kick-off Meeting

AVCON will organize a Kick-off Meeting to review the Scope of Work and present key project issues, review any concerns that the DOA may have, submit the proposed project schedule with intermediate milestones, review procedure for surveying/investigating the designated Terminal and the Concourse A and C spaces especially active tenant areas. Review current project budget and preliminary concept of establishing phased Construction Documents. Formally request archived as-built documents and setup initial site visits.

### 2.2 – Documenting Existing Conditions

The initial design work will include reviewing as-built documents and archived data for the Terminal, Concourse A & C areas for Architectural and Electrical/Fire Alarm design disciplines.

### 2.3 – Site Visits

Field inspections will be performed by the design team to confirm existing conditions for all areas within the project extents which are accessible. AutoCAD/Revit electronic files will be generated based on the available as-built plans and site observations.

### 2.4 – AVCON Project Design Tasks

A brief overview of the pertinent Project design tasks to be completed by AVCON includes the following:

- a. Prepare PowerPoint Presentations, sketches, and agenda for meetings (as applicable),
- b. Validate Program Cost Estimate.
- c. Facilitate Design Coordination meetings via conference calls and webinars.
- d. Develop Construction Phasing Plans (CSPPs) and MOT plans.
- e. Prepare and assemble 60%, 90% and 100% Contract Documents, Technical Specifications, Drawings, Project Schedule, Cost Estimates.
- f. Conduct Three (3) DOA Submittal Virtual Review Meetings. Prepare meeting agenda and meeting minutes (60%, 90%, and 100% Contract Documents).
- g. Task Management/Task Administration – Coordination with DOA, DOA Operations, Permitting Agencies (if applicable), sub-consultants, and other stakeholders.
- h. Provide Quality Assurance for all deliverables.
- i. Prepare and Assemble Final Bid Documents for CMAR: Project Manual, Technical Specifications, and Drawings.
- j. Attend one (1) CMAR Pre-bid Meeting.

### 2.5 – QEE Electrical Design Tasks

QEE will perform the electrical engineering design services for the fire alarm notification synchronization upgrades in the PBI Terminal and Concourse A and C areas as specifically set forth in their Proposal dated January 24, 2024. The fire alarm design shall be per the DOA's



requirements, County Codes, the Florida Building Code, the National Fire Alarm and Signaling Code and the National Electric Code (NEC).

**2.6 – Colome & Associates Architectural Design Tasks**

Colome & Associates will perform the architectural design providing architectural drawings and specifications described in detail sufficient for construction of architectural repairs based upon the fire alarm synchronization conceptual design developed by QEE, and interior finish selections within the completed set of construction documents. Interior furnishing shall be selected and purchased by Palm Beach County Department of Airports. Colome shall also prepare and submit Project design documents for permitting to the Palm Beach County Building Department.

**2.7 – Bidding and Award**

The AVCON Team will assist the DOA and the DOA's CMAR firm with preparation of a presentation for use during a Pre-Bid Meeting. AVCON will attend and participate in the pre-bid meeting at the Airport, which will include a site visit. AVCON will respond to questions from the CMAR via the DOA, related to the Bid Documents. AVCON will assist the DOA with preparation of all required technical addenda to revise plans and/or specifications to respond to the CMAR's questions and provide clarification to the Bid Documents. AVCON will finalize the project cost estimate for bidding purposes.

After the DOA receives a Guaranteed Maximum Price (GMP) proposal from the CMAR, AVCON will review one (1) GMP proposal and conduct an evaluation checking the accuracy of the GMP schedule of prices, including trade costs, schedule and the CMAR's assumptions. Upon completion of the GMP evaluation, AVCON will provide a written recommendation of award to DOA.

Conformed documents will be prepared incorporating all addendum information into the plans and technical specifications. PDF and hard copies of the Conformed Documents set plan drawings and the project manual will be provided to the DOA.

**PROJECT SCHEDULE**

<b>60% Design Development (Phase 1A):</b>	12 weeks after NTP
60% Design DOA Staff Review	2 Weeks
60% Design CMAR Constructability Report	5 Weeks
<b>90% Construction Documents (Phase 1B)</b>	8 weeks after CMAR review
90% Design DOA Staff Review	2 Weeks
90% Design CMAR Constructability Report	5 Weeks
<b>Bid Documents (Phase 1C)</b>	4 weeks after CMAR review
Bid Documents DOA Staff Review	2 Weeks
<b>Bidding and Award (Phase 2)</b>	8 weeks after DOA review

It is anticipated that the DOA staff review of the 60% and 90% plans, technical specifications and OPC estimates will be conducted concurrently with the CMAR constructability review during the 60% and 90% design phases.

**Total Project Duration: 44 weeks (308 days)**



**PROJECT DELIVERABLES**

**60% Design Development**

- Design Development Drawings – 1 full size set, 5 half-size sets (11x17), 1 PDF file of plans set
- Technical Specifications – 1 copy of technical specifications and 1 PDF file of technical specifications
- Engineer's Cost Estimate – 1 PDF file of estimate

**90% Construction Documents**

- Construction Documents Drawings – 1 full size set, 5 half-size sets (11x17), 1 PDF file of plans set
- Technical Specifications – 1 copy of project manual and 1 PDF file of project manual
- Engineer's Cost Estimate – 1 PDF file of estimate

**Bid Documents**

- Bid Documents – 1 full size set, 5 half-size sets (11x17), 1 PDF file of plans set
- Technical Specifications – 1 copy of project manual and 1 PDF file of project manual
- Final Engineer's Cost Estimate – 1 PDF file of estimate

**PROJECT ASSUMPTIONS**

1. In the event that the DOA and AVCON believe it to be in the best interests of the Project that additional services beyond what is provided in this scope of work be provided by AVCON, a separate Task Authorization, which specifies the proposed scope of services to be performed, will be prepared.
2. DOA shall pay additional compensation associated with efforts not specified in this proposal, if required. AVCON will notify the DOA in advance if this situation arises.
3. The design effort is based upon the requirements associated with a Level 1 Alteration under the Florida Building Code Existing Building.
4. The design effort is based upon the requirements associated with the current Palm Beach County P&Z Electrical & National Electrical Code and County Fire & NFPA Codes.
5. The proposal, scope of work, schedule and cost estimate has been prepared according to the information provided by the DOA. These may be adjusted according to the requirements and progress of the Project and any additional effort that may be required.
6. This proposal does not include construction administration or construction inspection services.
7. All permitting fees will be paid by the DOA.
8. This proposal does not include any fees or services to conduct asbestos surveys, obtain asbestos permitting or to perform asbestos abatement in the PBI terminal and concourses.



9. This proposal is established on the assumption that the project will be bid one (1) time and that the work will be awarded to a construction management firm, determined and selected by the DOA.

**Attachments: Exhibit A Project Work Limits Sketch**  
**Exhibit B Labor Fee Estimate Summary**  
**Exhibit C Quantum Electrical Engineering Scope and Fee**  
**Exhibit D Colome and Associates Scope and fee**

CONSULTING/PROFESSIONAL SERVICES

Exhibit A-1 Scope of Services

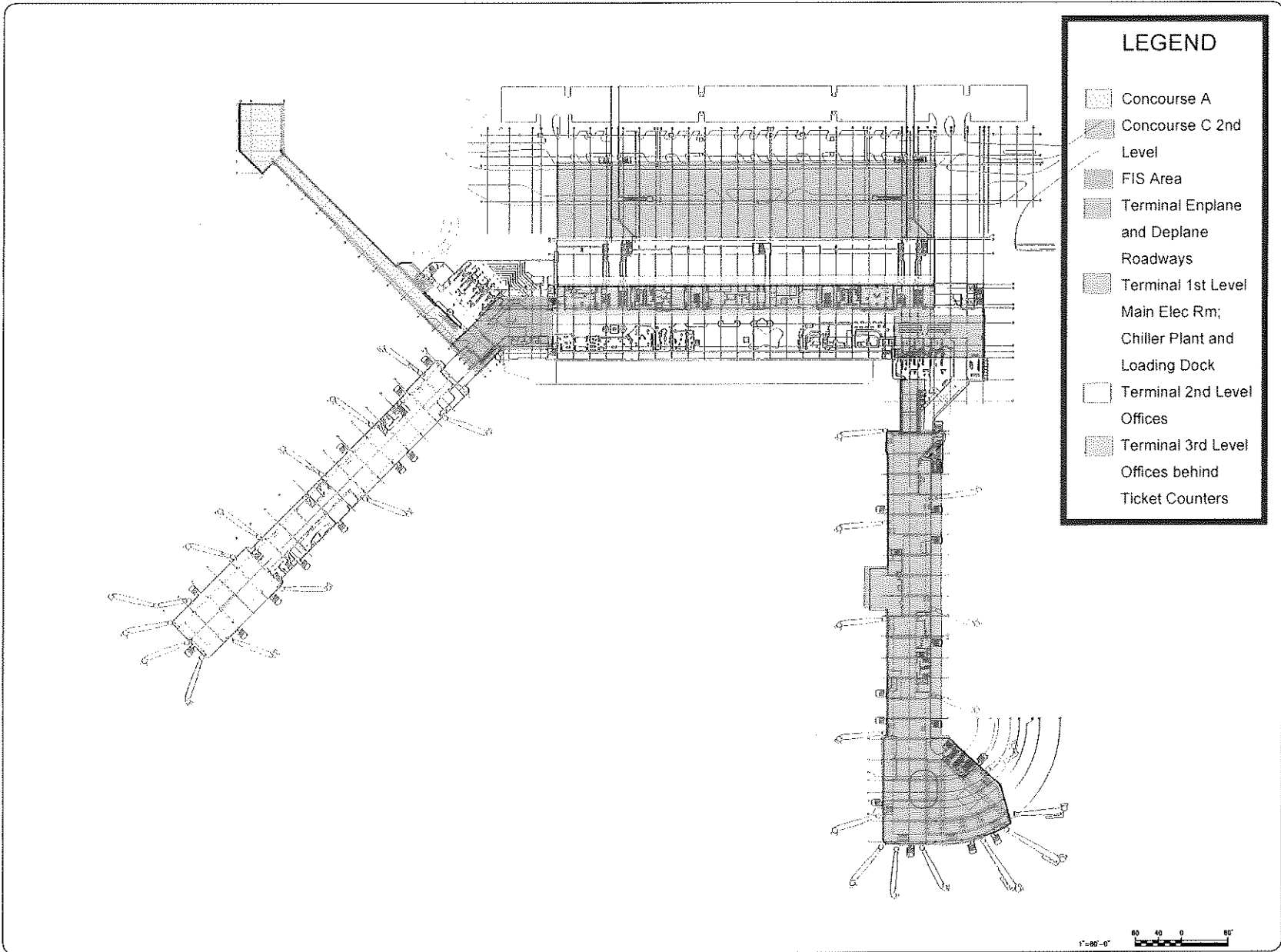
Task I-24-PBI-AV-012: PBI Terminal and Concourses Fire Alarm Strobe Synchronization Project

Palm Beach International Airport

Pursuant to Florida Statutes Section 119.071 (3), and due to the nature of the contents, there may be portions of these documents that are exempt from disclosure to the public. Please contact the Department of Airports prior to public release.

**“RESTRICTED” CONFIDENTIAL  
DOCUMENTS**

**DO NOT COPY/RECORD**



**LEGEND**

- Concourse A
- Concourse C 2nd Level
- FIS Area
- Terminal Enplane and Deplane Roadways
- Terminal 1st Level Main Elec Rm; Chiller Plant and Loading Dock
- Terminal 2nd Level Offices
- Terminal 3rd Level Offices behind Ticket Counters

*Palm Beach*  
INTERNATIONAL AIRPORT

PALMBEACH INTERNATIONAL AIRPORT  
1101 JAMES L. TURNER BLVD  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA



AVCON, INC.  
ENGINEERS & PLANNERS  
3611 E. SUGARBUSH ST., SUITE 100 - DALLAS, TX 75218-2724  
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QUANTUM  
The World's Engineering, Inc.  
2755 VISTA PARKWAY, SUITE 112  
WEST PALM BEACH, FLORIDA  
33411-2924  
PHONE: 561.833.0000

**PBI TERMINAL  
& CONCOURSES  
FIRE ALARM  
SYNCHRONIZATION  
PROJECT**

**PROJECT WORK  
LIMITS**

ATTENTION:  
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**REVISIONS:**

NO.	DATE	BY	DESCRIPTION

DESIGNED BY: JWK  
 DRAWN BY: JWK  
 CHECKED BY: ALC  
 APPROVED BY: JWK  
 DATE: February 7, 2024

FDDT FM NO.  
 FAA AIP NO.  
 AVCON PROJECT NO.  
 CADD:

**EXHIBIT A**



**EXHIBIT B**

**LABOR/FEE ESTIMATE SUMMARY - CONSULTANT (AVCON, INC.) - TASK III-24-PBI-AV-011: PBI FIRE ALARM STROBE SYNCHRONIZATION**  
**PREPARED BY: AVCON, INC.**

DATE PREPARED: February 7, 2024

TASK NUMBER	TASK DESCRIPTION	Employee Classifications					Hours	SUB-TOTAL LABOR	EXPENSES	TOTAL
		Senior Project Manager	QC Reviewer	Senior MEP Engineer	Project Engineer	Contract Administrator				
	Billing Rate Per Hour	\$216.00	\$252.00	\$179.00	\$192.00	\$101.00				
<b>Management &amp; Administration</b>										
1	Project Scoping, Management & Task Administration	14				4	18	\$3,428.00	\$0.00	\$3,428.00
<b>Project Formulation, Kick-off Meeting, Inspections &amp; Design</b>										
2.1	Kick-off Meeting	4				2		\$1,066.00	\$41.00	\$1,107.00
2.2	Document Existing Conditions	4		4	6		14	\$2,192.00	\$0.00	\$2,192.00
2.3	Site Visits	4		4	4		12	\$1,988.00	\$41.00	\$2,029.00
		12	0	8	10	2	26	\$5,246.00	\$82.00	\$5,328.00
Task 2.4	<b>60% Design (DD) Documents</b>									
	Team Coordination Meetings	4		4	4	2	14	\$2,190.00	\$0.00	\$2,190.00
	DOA Coordination	4		4	2	2	10	\$1,782.00	\$0.00	\$1,782.00
	Project Design (Design Drawings and Specs)	8		8	16	6	38	\$5,398.00	\$0.00	\$5,398.00
	Gather and Assemble Subconsultant Documents	2		4		4	10	\$1,552.00	\$0.00	\$1,552.00
	QA/QC	4	4				8	\$1,872.00	\$0.00	\$1,872.00
	Finalize DD Cost Estimates	4		2	4		10	\$1,630.00	\$0.00	\$1,630.00
	Printing and Shipping Costs (Electronic Submittals Only)	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	Conduct DD Review Meeting with DOA (Virtual Meeting)	3		2		2	7	\$1,208.00	\$0.00	\$1,208.00
	<b>60% DD Documents Task Subtotal</b>	<b>29</b>	<b>4</b>	<b>24</b>	<b>24</b>	<b>16</b>	<b>97</b>	<b>\$15,632.00</b>	<b>\$0.00</b>	<b>\$15,632.00</b>
Task 2.4	<b>90% Construction (CD) Documents</b>									
	Team Coordination Meetings	2		2	2	1	7	\$1,095.00	\$0.00	\$1,095.00
	DOA Coordination	4		4	2	2	10	\$1,782.00	\$0.00	\$1,782.00
	Project Design (Design Drawings and Specs)	2		6	14	6	28	\$3,540.00	\$0.00	\$3,540.00
	Gather and Assemble Subconsultant Documents	2		4		4	10	\$1,552.00	\$0.00	\$1,552.00
	QA/QC	6	6				12	\$2,808.00	\$0.00	\$2,808.00
	Finalize CD Cost Estimates	2		2	4	4	12	\$1,602.00	\$0.00	\$1,602.00
	Distribute and Review CMAR 90% Constructability Report	4	2	2		1	9	\$1,827.00	\$0.00	\$1,827.00
	Printing and Shipping Costs (Electronic Submittals Only)	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	Conduct CD Documents Review Meeting with DOA (Virtual Meeting)	3		2		2	7	\$1,208.00	\$0.00	\$1,208.00
	<b>90% CD Documents Task Subtotal</b>	<b>25</b>	<b>8</b>	<b>22</b>	<b>20</b>	<b>20</b>	<b>95</b>	<b>\$15,414.00</b>	<b>\$0.00</b>	<b>\$15,414.00</b>
Task 2.4	<b>Bid Documents</b>									
	Team Coordination Meetings	1		1	1	1	4	\$598.00	\$0.00	\$598.00
	DOA Coordination	2		2		1	5	\$891.00	\$0.00	\$891.00
	Project Design (Design Drawings and Specs)	2		4	10	4	20	\$2,572.00	\$0.00	\$2,572.00
	Gather and Assemble Subconsultant Documents	2		4		4	10	\$1,552.00	\$0.00	\$1,552.00
	QA/QC	4	4				8	\$1,872.00	\$0.00	\$1,872.00
	Finalize Bid Cost Estimates	2		2	2	2	8	\$1,196.00	\$0.00	\$1,196.00
	Printing and Shipping Costs (Electronic Submittals Only)	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	Conduct Bid Documents Review Meeting with DOA (Virtual Meeting)	2		2		1	5	\$891.00	\$0.00	\$891.00
	<b>Bid Documents Task Subtotal</b>	<b>15</b>	<b>4</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>60</b>	<b>\$9,972.00</b>	<b>\$0.00</b>	<b>\$9,972.00</b>
Task 2.7	<b>Bidding and Award</b>									
	Pre-Bid Meeting and Presentation	4		2	2	2	10	\$1,628.00	\$41.00	\$1,669.00
	Respond to CMAR's RFIs and Questions	4		4	4	2	14	\$2,190.00	\$0.00	\$2,190.00
	Issue Addenda and Clarifications	2		4	4	2	12	\$1,758.00	\$0.00	\$1,758.00
	Evaluation of CMAR's GMP	4		4			8	\$1,580.00	\$0.00	\$1,580.00
	Recommendation of Bid Award	2				2	4	\$634.00	\$0.00	\$634.00
	Printing and Shipping Costs (Electronic Submittals Only)	0		0	0	0	0	\$0.00	\$0.00	\$0.00
	Prepare Conformed Documents	2		4	4	4	14	\$1,960.00	\$0.00	\$1,960.00
	Contract Documents Printing and Shipping Costs	0		0	0	0	0	\$0.00	\$1,500.00	\$1,500.00
	<b>Bidding and Award Task Subtotal</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>16</b>	<b>12</b>	<b>62</b>	<b>\$9,750.00</b>	<b>\$1,541.00</b>	<b>\$11,291.00</b>
<b>Total Hours and Lump Sum Fee - AVCON, Inc.</b>		<b>113</b>	<b>16</b>	<b>87</b>	<b>81</b>	<b>67</b>	<b>356</b>	<b>\$59,042.00</b>	<b>\$1,623.00</b>	<b>\$60,665.00</b>

Subconsultant Fees	
2.5	Quantum Electrical Engineering, Inc. \$53,587.00
2.6	Colomé and Associates \$60,426.26
<b>Total Subconsultant Fees \$114,013.26</b>	

<b>Fee Breakdown Subtotals:</b>	
Lump Sum AVCON and Subconsultant Labor Fees	\$173,055.26
Reimbursable Expenses (NTE)	\$1,623.00
<b>GRAND TOTAL AVCON AND SUBCONSULTANTS FEE - BASIC ENGINEERING SERVICES</b>	<b>\$174,678.26</b>



January 24, 2024

AVCON, Inc.  
Mr. Mark Waller, P.E.  
Regional Manager, Southeast Florida  
6853 SW 18<sup>th</sup> St.  
Boca Raton, FL 33433

**Subject:** Electrical Engineering Design Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – PBIA Fire Alarm Notification Synchronization Upgrades Design.

Dear Mark:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide AVCON, Inc. (AVCON) a fee proposal for the electrical engineering design services for the PBIA Fire Alarm Notification Synchronization Upgrades Design, at Palm Beach International Airport. The following items are included in our scope:

**Design Documents:**

- Includes design coordination meetings with the DOA, PBC PB&Z, Fire Marshal, CMAR, Fire Alarm Vendor (WSA) and AVCON Design Team.
- Conduct on-site verifications of existing conditions of the existing fire alarm system.
- Design modifications to the existing fire alarm system to replace approximately (27) outdated fire alarm digital amplifiers that are used for the fire alarm speakers.
- Design modifications to the existing fire alarm system to replace the (2) outdated Onyxworks Workstations in the Coms Center and add (1) new Onyxworks Workstation in old Comm Center.
- Design modifications to the existing fire alarm system in the areas noted below to replace all outdated notification devices (strobes and/or speaker/strobes) to obtain strobe synchronization per PBC Fire Marshal.
  - Concourse A
  - Concourse C – 2nd Level
  - FIS Area
  - Terminal
    - Enplane Roadway

Palm Beach County  
2755 Vista Parkway, Suite I-12  
West Palm Beach, FL 33411  
561.210.9224

[www.QuantumElectricalEngineering.com](http://www.QuantumElectricalEngineering.com)

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

- Deplane Roadway
  - 1st Level Electrical Rooms, Chiller Plant and Loading Dock
  - 2<sup>nd</sup> Level Offices between Column Lines 25 and 48
  - 3rd Level Offices behind ticket counters
- Includes fire alarm plan layouts, calculations, details and riser diagrams.
  - The design shall be per DOA's requirements, County Codes, Florida Building Code, National Fire Alarm and Signaling Code and National Electrical Code (NEC).
  - Includes responses to CMAR Constructability Review and associated plan revisions.
  - Includes Addenda revisions and Permitting comments revisions.
  - Includes attending CMAR Pre-Bid meeting.
  - Includes review of CMAR electrical bid results.

### **Exclusions and Assumptions**

- The proposal assumes up to (10) new notification power supplies will be required to accommodate the new strobes and/or speaker/strobes.
- The proposal assumes that the existing notification and speaker circuits (conduit and conductors) will be reused wherever possible.
- The proposal assumes that existing fire alarm panels will remain in place and not be upgraded.
- AVCON shall provide all base drawings to QUANTUM on AutoCAD 2022 or higher. QUANTUM shall design the project in AutoCAD.
- QUANTUM shall provide 1-set of electronic documents for 60%, 90%, Bid, and Permit plans, specifications and estimates to AVCON.
- AVCON shall provide all printing of plans & specifications for reviews.
- Excludes mass notification and/or BDA System designs/radio survey.
- Excludes phasing and MOT plans, replacement of ceiling tiles, architectural repairs due to new devices and updates to the smoke control system.
- Does not include construction services.

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

Our proposed Lump-Sum fee for Task 1: 60% Design Documents is:	\$29,132.00
Our proposed Lump-Sum fee for Task 2: 90% Design Documents is:	\$15,350.00
Our proposed Lump-Sum fee for Task 3: Bid Documents is:	\$ 6,254.00
Our proposed Lump-Sum fee for Task 4: Bid & Award is:	\$ 2,851.00
<b>Our proposed total Lump-Sum fee is:</b>	<b>\$53,587.00</b>

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE  
President

Palm Beach County  
2755 Vista Parkway, Suite I-12  
West Palm Beach, FL 33411  
561.210.9224

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

# EXHIBIT D

January 31, 2024

Mr. Mark Waller, P.E., Regional Manager  
AVCON  
6853 SW 18th Street  
Boca Raton, Florida 33433

Re: **PBI Terminal, Concourses A & C Fire Alarm Renovations**  
**Architectural Design / Construction Documents / Bidding Phases**  
Palm Beach International Airport - West Palm Beach, Florida

Dear Mr. Waller:

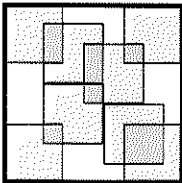
Our Firm – Colomé & Associates, Inc. (Architect) – would like to thank you for the opportunity to provide AVCON with this proposal for architectural professional services for the proposed PBI Terminal and Concourses A & C Fire Alarm System renovations located at Palm Beach International Airport in West Palm Beach, Florida.

The project will consist of evaluation and replacement of existing fire alarm system devices above ceiling and wall mounted throughout the PBI Terminal areas of approximately 38,000 square feet and Concourse A areas of approximately 35,000 square feet and Concourse C areas of approximately 54,000 square feet for the proposed fire alarm design work prepared by Quantum Electrical Engineers, Inc.

Architectural Scope of work shall consist of field work, preparation of ceiling plans for proposed areas of work and detailing of wall and ceiling repairs related to renovation work, cost estimating, 60% construction documents, 100% construction documents, permit documents and bid documents for the proposed Fire Alarm System Synchronization renovations describe above, and information provided by AVCON on January 22, 2024.

- **Architectural Design and Construction Documents**

Based on the approved fire alarm system design conceptual plan submittal prepared by Quantum Electrical Engineers, Inc., for the proposed fire alarm synchronization renovations; provide architectural working drawings and specifications, described in detail sufficient for construction, coordination with mechanical, and electrical engineers, and interior finish selections within the completed set of construction documents. Interior furnishing shall be selected and purchased by Palm Beach County Department of Airports.



**Colomé & Associates, Inc.**

Florida Registration AA0003439

Architecture □ Planning □ Interiors

530 24th Street □ West Palm Beach, Florida 33407 □ Telephone: (561) 833-9147 □ Facsimile: (561) 833-9356 □ E-mail: colome@colome-arch.net



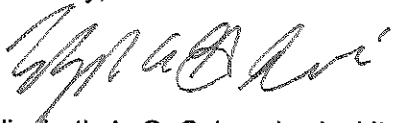
Preparation and Permitting Submissions

- Prepare and submittal documents for permitting to the Palm Beach County Building Department.
- Bidding
  - Assist AVCON in preparation of addenda and respond to General Contractor's or Construction Manager's RFI's during Bidding process.
- Architectural Design, Construction / Permit Documents, and Bidding Documents – Architectural Design: Fees for performing services as outlined above shall be based on a stipulated lump sum of sixty thousand four hundred twenty-six dollars and twenty-six (\$60,426.26) cents as per attached Architect's Labor Rate breakdown.
- Additional Services
  - Additional Services as requested by the Owner shall be based on the Architectural Hourly Basis as set forth in the executed AVCON Contract Agreement for Architectural Services or stipulated lump sum.
  - Items excluded from this professional services fee proposal:


The following items are not included as part of this professional services fee proposal: This proposal does not include the certification or application process for green or sustainable building design, If the documentation or analysis (including life cycle analysis) of this building is required to meet Florida Statutes 255.251-255.259, this service can be provided as an "Additional Services", LEED design services, Fees related to project applications, registrations, and permitting, Palm Beach County – site plan approval or site plan amendment, coordination of Art in Public Places, floor and ceiling plan reconfigurations, construction administration phase services, infrastructure for temporary facilities during construction, project phasing documents, Palm Beach County variance applications, re-zoning, plat/unity of title services, sound system design, interior design services, public announcement system design, acoustical design services, and re-design as a result of value engineering.

G24. FS558.0035. –PURSUANT TO FLORIDA STATUTE 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Sincerely,



Elizabeth A. G. Colome' – Architect

Labor/Fee Estimate Summary (Colome & Associates, Inc.) - PBI TERMINAL, CONCOURSES A & C FIRE ALARM RENOVATIONS											
Billing Rate:		\$ 149.61	\$ 135.00	\$ 129.36	\$ 90.00						
 <b>Colome' &amp; Associates, Inc.</b> ARCHITECTURE • PLANNING • INTERIORS Florida Registration - AA 0003439 530 24th Street West Palm Beach Florida 33407 Phone: (561) 933-8147 Fax: (561) 933-9356											
Labor Estimate (Hours)											
Task Description	Principal		Architect		Project Manager		Architectural Drafting		Labor Total	Expenses	Total
Task Description	Total										
<b>Architectural</b>											
	21.5		55		148		339		\$60,426.26	\$0.00	\$60,426.26
<b>Architect Administration</b>											
Kickoff Meeting		\$0.00	2	\$270.00	2	\$258.72		\$0.00	\$ 528.72		\$ 528.72
Contract Administration	2	\$299.22	2	\$270.00		\$0.00		\$0.00	\$ 599.22		\$ 599.22
Design Coordination with DOA		\$0.00	4	\$540.00	4	\$517.44	1	\$90.00	\$ 1,147.44		\$ 1,147.44
Building / Life Safety Code Review	0.5	\$74.81	3	\$405.00	1	\$129.36		\$0.00	\$ 609.17		\$ 609.17
											\$2,854.55
<b>60% Construction Documents</b>											
Data Collection / Field Investigation		\$0.00		\$0.00	28	\$3,622.08	28	\$2,520.00	\$6,142.08		\$ 6,142.08
Architectural Drawings	4	\$598.44	8	\$1,080.00	20	\$2,587.20	198	\$17,820.00	\$22,085.64		\$ 22,085.64
Specifications	2	\$299.22	4	\$540.00	16	\$2,069.76		\$0.00	\$2,908.98		\$ 2,908.98
Cost Estimating	1	\$149.61	2	\$270.00	6	\$776.16		\$0.00	\$1,195.77		\$ 1,195.77
Coordination of Subconsultants		\$0.00	1	\$135.00	8	\$1,034.88	8	\$720.00	\$1,889.88		\$ 1,889.88
QA/QC	2	\$299.22	4	\$540.00	4	\$517.44		\$0.00	\$1,356.66		\$ 1,356.66
DOA Review Meeting		\$0.00	2	\$270.00	2	\$258.72		\$0.00	\$528.72		\$ 528.72
Incorporate DOA Review Comments		\$0.00	2	\$270.00	4	\$517.44	18	\$1,620.00	\$2,407.44		\$ 2,407.44
											\$38,515.17
<b>100% Construction / Permit Documents</b>											
Architectural Drawings	3	\$448.83	4	\$540.00	10	\$1,293.60	50	\$4,500.00	\$6,782.43		\$ 6,782.43
Specifications	1	\$149.61	1	\$135.00	4	\$517.44		\$0.00	\$802.05		\$ 802.05
Coordination of Subconsultants		\$0.00		\$0.00	4	\$517.44	4	\$360.00	\$877.44		\$ 877.44
PBC Bldg Department Review	2	\$299.22	2	\$270.00	4	\$517.44	4	\$360.00	\$1,446.66		\$ 1,446.66
Incorporate PBC Bldg. Review Comments	2	\$299.22	4	\$540.00	6	\$776.16	20	\$1,800.00	\$3,415.38		\$ 3,415.38
											\$13,323.96
<b>Bid Documents</b>											
Bid RFI Review / Response	2	\$299.22	6	\$810.00	20	\$2,587.20	2	\$180.00	\$ 3,876.42		\$ 3,876.42
Coordination of Subconsultants		\$0.00	4	\$540.00	6	\$776.16	6	\$540.00	\$ 1,856.16		\$ 1,856.16
											\$5,732.58
<b>Grand Total</b>	<b>21.50</b>	<b>\$3,216.62</b>	<b>55.00</b>	<b>\$7,425.00</b>	<b>149.00</b>	<b>\$19,274.64</b>	<b>339.00</b>	<b>\$30,510.00</b>	<b>\$60,426.26</b>	<b>\$0.00</b>	<b>\$60,426.26</b>

Source: Colome' & Associates, Inc. (Labor Breakdown is based on FAR Audit Dated 2-24-2021)

**EXHIBIT B**

**Detailed Fees, Expenses, and Payments**

**EXHIBIT B-I**  
**SUMMARY OF FEES**

• **1. Level I Tasks:**

The total payment by the COUNTY to the CONSULTANT for rendering basic services for the Task Level I project described in Exhibit "A-1" including labor and direct costs, shall not exceed **One Hundred Seventy-Four Thousand Six Hundred Seventy-Eight Dollars and Twenty-Six Cents (\$174,678.26)**.

If it is necessary to increase the compensation beyond said allowances, prior written approval shall be obtained from the COUNTY authorizing said increase in compensation.



**EXHIBIT B-II**

**Schedule of Payments**

The scope of work to be completed by CONSULTANT as defined in Exhibit "A" consists of specific completion phases which shall be clearly identified on a phase-by-phase basis upon submission to the COUNTY of certain deliverables as expressly indicated below. Compensation for the work tasks stated herein shall be in accordance with the following Schedule of Payments.

**TASK I SERVICES**

Tasks to be Completed:

**Task I-24-PBI-AV-012: PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project**

Compensation: **\$174,678.26**

Deliverable(s) Required: See Exhibit "A-1" for list of deliverables.

**PALM BEACH COUNTY GENERAL CONSULTING SERVICES**

**EXHIBIT C**

**Proposed Schedules**

<b>TASK DESCRIPTION</b>	<b>Duration</b>
<b>TASK I SERVICES</b>	
<b>Task I-24-PBI-AV-012:</b> PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project	<u>308</u> Calendar Days

**PALM BEACH COUNTY GENERAL CONSULTING SERVICES**

**EXHIBIT D**

**OEBO SCHEDULES 1 & 2**

**OEBO SCHEDULE 1**

SOLICITATION/PROJECT/BID NAME: Airport General Engineering Consulting Services  
 SOLICITATION OPENING/SUBMITTAL DATE: October 28, 2021

SOLICITATION/PROJECT/BID NO.: DOA 21-12 (Amendment #4)  
 COUNTY DEPARTMENT: Department of Airports

**Section A** PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT\* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: AVCON, Inc. ADDRESS: 555 East Michigan Street, Suite 200 Orlando, FL 32822

CONTACT PERSON: Sandeep Singh PHONE NO.: (407) 599-1122 E-MAIL: ssingh@avconinc.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$60,665

\*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE  MBE  WBE  SBE

**Section B** PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE Minority Business	WBE Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Asian	Other
	1. Colomé & Associates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			\$60,426.26		
2. Quantum Electrical Engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			\$53,587			
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

(Please use additional sheets if necessary)

Total \$114,013.26

Total Bid/Offer Price \$ 174,678.26

Total Certified S/M/WBE Participation \$ 114,013.26

I hereby certify that the above information is accurate to the best of my knowledge: Sandeep Singh Digitally signed by Sandeep Singh Date: 2024.05.09 13:12:58 -04'00' President  
 Name & Authorized Signature Title

- Note:**
- The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
  - Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
  - Modification of this form is not permitted and will be rejected upon submittal.

**OEBO LETTER OF INTENT – SCHEDULE 2**

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: AMENDMENT No. 4-Task I-24-PBI-AV-012

SOLICITATION/PROJECT NAME: PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project

Prime Contractor: AVCON, Inc. Subcontractor: Colomé & Associates

**(Check box(s) that apply)**

SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 3-14-2019

The undersigned affirms they are the following (select one from each column if applicable):

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<input type="checkbox"/> Male <input checked="" type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

**S/M/WBE PARTICIPATION** – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

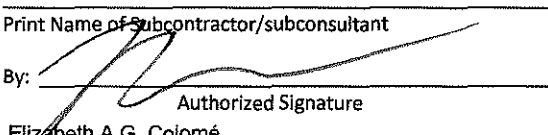
Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
1)	Architectural Services-Task I-24-PBI-AV-012	\$60,426.26	1		\$60,426.26

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$60,426.26

**If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.**

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant \_\_\_\_\_ Price or Percentage: \_\_\_\_\_

**AVCON, Inc.**  
 Print Name of Prime  
 By: Sandeep Singh Digitally signed by Sandeep Singh  
 Date: 2024.05.09 13:40:12 -04'00'  
 Authorized Signature  
 Sandeep Singh  
 Print Name  
**President**  
 Title  
 Date: \_\_\_\_\_

**Colomé & Associates**  
 Print Name of Subcontractor/subconsultant  
 By:   
 Authorized Signature  
 Elizabeth A.G. Colomé  
 Print Name  
**President**  
 Title  
 Date: 5/9/2024

**OEBO LETTER OF INTENT – SCHEDULE 2**

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: AMENDMENT No. 4-Task I-24-PBI-AV-012

SOLICITATION/PROJECT NAME: PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project

Prime Contractor: AVCON, Inc. Subcontractor: Quantum Electrical Engineering, Inc.

**(Check box(s) that apply)**

SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 11-15-2019

The undersigned affirms they are the following (select one from each column if applicable):

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<input type="checkbox"/> Male <input checked="" type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

**S/M/WBE PARTICIPATION** – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1)	Electrical Engineering Services-Task I-24-PBI-AV-012	\$53,587	1		\$53,587

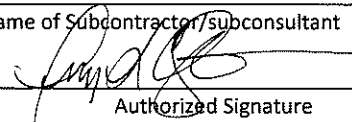
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$53,587

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

\_\_\_\_\_ Price or Percentage: \_\_\_\_\_

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

**AVCON, Inc.**  
 Print Name of Prime  
 By: **Sandeep Singh** Digitally signed by Sandeep Singh  
Date: 2024.05.09 13:40:57 -04'00'  
 Authorized Signature  
 Sandeep Singh  
 Print Name  
**President**  
 Title  
 Date: \_\_\_\_\_

**Quantum Electrical Engineering, Inc.**  
 Print Name of Subcontractor/subconsultant  
 By:   
 Authorized Signature  
 Amy L. Champagne-Baker, P.E.  
 Print Name  
**President**  
 Title  
 Date: 05/08/2024

**PALM BEACH COUNTY GENERAL CONSULTING SERVICES**

**EXHIBIT E**

**CERTIFICATE OF INSURANCE**





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## Contract History



**PALM BEACH COUNTY DEPARTMENT OF AIRPORTS  
PROFESSIONAL SERVICES AGREEMENT WITH AVCON, INC. FOR AIRPORT GENERAL CONSULTING SERVICES  
CONTRACT HISTORY  
CONTRACT NO. DOA 21-12**

CONTRACT NO. R2022-1029  
DATE APPROVED BY BCC 9/13/2022  
\*EXPIRATION DATE 9/13/2024  
ORIGINAL CONTRACT AMOUNT = \$796,697.19  
SBE COMMITMENT 37.75%  
ORIGINAL AGREEMENT SERVICES:

The Professional Services Agreement with AVCON, Inc. for a term of two (2) years, with two one (1) year renewal options in the amount of \$796,697.19 for the performance of Airport General Consulting Services related to the approved Palm Beach County Airports' Capital Improvement Program. Original agreement includes the following: DOA 2023 Annual SWPPP Compliance Monitoring, Insp., & Training Services (Task I-22-DOA-AV-001); 2022 Annual Airports Facilities Inspections (Task I-22-DOA-AV-002); and Task III Misc. AEP & Construction Consulting Services (Task III-22-DOA-AV-001).

AMEND No.	BCC APPROVAL DATE	SBE COMMITMENT	AMEND TIME	AMENDMENT AMOUNT	NEW CONTRACT AMOUNT	STATUS	DESCRIPTION
1	10/3/2023	45.71%		\$449,162.38	\$1,245,859.57	Approved R2023-1441	Palm Beach International Airport (PBI) Air Handler Unit (AHU) Replacement - Phase 2 Project Design Services (Task I-23-PBI-AV-005)
2	12/19/2023	46.61%		\$326,772.90	\$1,572,632.47	Approved R2023-1858	Palm Beach International Airport (PBI) 2023 Burrowing Owl Mitigation Environmental Services (Task I-23-PBI-AV-008) and Task III Services - Miscellaneous AEP and Construction Consulting Services (Task III-23-DOA-AV-002).
3	1/23/2024	84.85%		\$156,049.37	\$1,728,681.84	Approved R2024-0044	DOA 2024 Annual SWPPP Compliance Monitoring, Insp., and Training Services (Task I-23-DOA-AV-010)
4	Pending	65.27%		\$174,678.26	\$1,903,360.10	Pending	PBI Terminal and Concourses A & C Fire Alarm Strobe Synchronization Project Design Services (Task 24-PBI-AV-012).

SBE Commitment includes Task III commitments

51.02%

\$1,106,662.91

\$1,903,360.10

Total Contract

\$1,903,360.10