

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

=====

Meeting Date: September 16, 2025	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Regular
	<input type="checkbox"/> Workshop	<input type="checkbox"/> Public Hearing

Submitted By: Department of Airports

=====

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve:

- (A) Amendment No. 6 to the Contract for Consulting/Professional Services (Consulting Agreement) with AECOM Technical Services, Inc. (AECOM) in the amount of \$1,316,858.61 for the provision of professional consulting services for the Department of Airports (Department); and
- (B) a Budget Transfer in the amount of \$250,000 in the Airport's Improvement and Development Fund.


**Summary:** The Consulting Agreement with AECOM was approved by the Board of County Commissioners (BCC) on July 11, 2023 (R2023-0980) in the amount of \$2,126,629.78. Amendment No. 1 through Amendment No. 5 increased the contract amount by \$8,820,617.13 and provided professional services for various projects, including, but not limited to: Palm Beach International Airport (PBI) and General Aviation Airport Stormwater Master Plans, PBI Holding Apron Improvements, PBI Taxiway M, M1, and M2 Reconstruction, Palm Beach County Park Airport (LNA) Rotating Beacon Replacement, PBI Taxiway R Rehabilitation, LNA Runway 4-22 Slurry Seal, North Palm Beach County General Aviation Airport (F45) Rotating Beacon Replacement, PBI Miscellaneous Drainage Repairs, PBI Parking Garage Repairs, and PBI Taxiway C and M Connector Improvements, PBI Miscellaneous Pavement Repairs, PBI Green Street Improvements, PBI Roof Replacement and Condensation Mitigation, PBI Entrance Road Bridge Assessments, LNA Beacon, LNA/F45 Precision Approach Path Indicator Installation, and Palm Beach County Glades Airport (PHK) Drainage Improvements. A detailed contract history is included in Attachment 1. Approval of Amendment No. 6 will increase the contract amount by \$1,316,858.61 for a total contract amount of \$12,264,105.52. Amendment No. 6 provides professional services for the PBI Turnage Boulevard Rehabilitation, LNA and F45 Automated Weather Observing System Replacement, PBI Concourse B Expansion, PBI Access Control System Upgrades and PHK Fuel Farm Replacement. Amendment No. 6 also provides budget for Task III Miscellaneous Services. Task III Miscellaneous Services are services that are not defined at the time of approval of an amendment to the Consulting Agreement and are approved pursuant to delegated authority in accordance with PPM CW-F-050 by way of a separate task authorization on an as-needed basis. AECOM is a Dallas, Texas based firm; however, the majority of the work will be completed through its West Palm Beach and Tampa, Florida offices. A Disadvantaged Business Enterprise (DBE) goal of 20.9% was established for the Consulting Agreement. DBE participation for Amendment No. 6 is 18.21%. The cumulative DBE participation, including Amendment No. 6, is 23.10%. Pursuant to changes to Chapter 332, Florida Statutes, effective July 1, 2023, a governing body of a medium hub commercial service airport may not approve purchases of contractual services in excess of \$1,000,000 on a consent agenda. Amendment No. 6 exceeds the threshold amount and must be approved on the regular agenda. Countywide (AH)

**Background and Policy Issues:** Amendment No. 6 provides for design, bidding and construction phase services for various projects as well as for miscellaneous services to be provided on an as-needed basis necessary to implement the Department's Capital Improvement Program.


**Attachments:**

1. Amendment No. 6 with AECOM, Inc. – 2 Originals with Contract History
2. Budget Transfer

=====

Recommended By: 	8.13.25
Department Director	Date

Approved By: 	8/21/25
Deputy County Administrator	Date

**II. FISCAL IMPACT ANALYSIS**

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

Fiscal Years	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
Capital Expenditures	\$ 1,316,859				
Operating Costs					
External Revenues (Grants)					
Program Income (County)					
In-Kind Match (County)					
NET FISCAL IMPACT	\$ 1,316,859				

# ADDITIONAL FTE

POSITIONS (Cumulative) \_\_\_\_\_

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

Budget Account No: Fund 4111 Department 121 Unit Various Object 6504/6505

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

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

Approval of this item provides for budget for Amendment No. 5 in the amount of \$1,316,858.61. The costs associated with Amendment No. 5 will be charged to the following units: A107, A394, A440, A457, A481, A492, and A494. PFC and grant reimbursements will be determined as invoices are received.

C. Departmental Fiscal Review: William Duncanson

**III. REVIEW COMMENTS**

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

Asst Dir 8/14/25  
OFMB 8/13  
EDW 8-14-25

Grande Bado 8/19/25  
Contract Dev. and Control 26 8.18.25

**B. Legal Sufficiency:**

Anne Delgent 8/20/25  
Assistant County Attorney

**C. Other Department Review:**

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

REVISED 11/17  
(THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT)

**AMENDMENT NO. 6 TO CONTRACT  
BETWEEN  
PALM BEACH COUNTY DEPARTMENT OF AIRPORTS  
AND  
AECOM TECHNICAL SERVICES, INC.  
FOR  
GENERAL CONSULTING SERVICES  
AT  
PALM BEACH COUNTY AIRPORTS**

This Amendment No. 6 to the Contract is made as of the \_\_\_\_\_ day of \_\_\_\_\_, 2025, by and between Palm Beach County, Florida (COUNTY) and AECOM TECHNICAL SERVICES, 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 95-2661922.

**WITNESSETH**

WHEREAS, on July 11, 2023, the County entered into an Agreement (R2023-0980) with the Consultant for the Consultant to provide General Airport Consulting Services for the Palm Beach County Department of Airports, for a period of two (2) years, with three (3) one (1)-year renewal options, the exercise of which are within COUNTY'S sole control and discretion; and

WHEREAS, on November 7, 2023, the County entered into an Amendment No. 1 (R2023-1654) with 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. 2 (R2024-0110) with 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 July 2, 2024, the County entered into an Amendment No. 3 (R2024-0822) with 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 7, 2025, the County entered into an Amendment No. 4 (R2025-0067) with 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 July 8, 2025, the County entered into an Amendment No. 5 (R2025-0067) with the Consultant to provide additional professional services and to exercise the first one (1) year renewal option for the continuation of 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 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 One Million Three Hundred Sixteen Thousand Eight Hundred Fifty Eight Dollars and Sixty One Cents (\$1,316,858.61) for the services in Amendment No. 6 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.



IN WITNESS WHEREOF, the parties have caused the Sixth 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, AECOM TECHNICAL SERVICES, INC., has caused these presents to be signed in its corporate name by its duly authorized officer Andrew Kacer, Vice 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  
BOARD OF COUNTY COMMISSIONERS

JOSEPH ABRUZZO  
CLERK OF THE CIRCUIT COURT  
& COMPTROLLER

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

By: \_\_\_\_\_  
Maria G. Marino, Mayor

WITNESS:

Martin,  
Clint

Digitally signed by Martin, Clint  
DN: cn=Martin, Clint,  
ou=USTPA1,  
email=Clint.Martin@aecom.com  
Date: 2025.07.24 20:19:10 -04'00'

SIGNATURE

Clint Martin  
Name (type or print)

CONSULTANT:

AECOM Technical Services, Inc.  
COMPANY NAME

Andrew Kacer

Digitally signed by Andrew Kacer  
DN: C=US,  
E=andy.kacer@aecom.com,  
O=AECOM, CN=Andrew Kacer  
Date: 2025.07.24 20:29:22-04'00'

Signature

Andrew Kacer  
Name (type or print)

Vice President  
Title

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

BY: \_\_\_\_\_  
County Attorney

APPROVED AS TO TERMS  
AND CONDITIONS

By:   
Department Director



AECOM Technical Services, Inc. 213.593.8100 tel  
300 South Grand Avenue 213.593.8730 fax  
9<sup>th</sup> Floor  
Los Angeles, CA 90071  
www.aecom.com

## SECRETARY'S CERTIFICATE

### AECOM TECHNICAL SERVICES, INC. a California corporation

I, Armond Tatevossian, DO HEREBY CERTIFY that I am a duly elected and acting Secretary of AECOM Technical Services, Inc., a corporation organized under the laws of the State of California ("ATS" or "Corporation"), and the keeper of its records and corporate seal.

I FURTHER CERTIFY that the Corporation's principal place of business is 300 South Grand Avenue, 9<sup>th</sup> Floor, Los Angeles, California 90071.

I FURTHER CERTIFY that pursuant to the Written Consent of the Board of Directors of ATS, adopted on July 3, 2024, and attached hereto as Exhibit A, Andrew Kacer has signatory authority for ATS and is authorized to execute contracts and other documents on behalf of the Corporation.

IN WITNESS WHEREOF, I have subscribed my name and affixed the seal of the Corporation, this 30<sup>th</sup> day of September, 2024.

  
Armond Tatevossian  
Secretary



UNANIMOUS ACTION OF THE BOARD OF DIRECTORS  
OF  
AECOM TECHNICAL SERVICES, INC.

The undersigned, being all the members of the Board of Directors of AECOM TECHNICAL SERVICES, INC. (the "Corporation"), a California corporation, hereby take the following action:

**RESOLVED:** That, "the following U.S. based persons are designated with authority by the Board of Directors to execute contracts and other legal documents on behalf of the Corporation within the boundaries of specific Regions and Business Lines as noted and effective as of the dates set forth below:"


Effective July 3, 2024:

Last Name	First Name	Region	Business Line
Kacer	Andrew	East	Transportation

IN TESTIMONY WHEREOF, all the Directors have hereunto set their hands this 3<sup>rd</sup> day of July, 2024.

  
\_\_\_\_\_  
Allison Hall

  
\_\_\_\_\_  
Matthew Crane

  
\_\_\_\_\_  
Karl Jensen

  
\_\_\_\_\_  
Armond Tatevossian



# AMENDMENT NO. 6

## INDEX

---

### CERTIFICATE OF INSURANCE

#### EXHIBIT A: AMENDMENT NO. 6

EXHIBIT A-1	Task I-25-PHK-A-044 PHK Fuel Farm Replacement: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid)
EXHIBIT A-2	Task I-25-DOA-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services
EXHIBIT A-3	Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services
EXHIBIT A-4	Task I-25-PBI-A-047: PBI Access Control System (ACS) Upgrades
EXHIBIT A-5	Task I-25-PBI-A-048: PBI Concourse B Expansion Electrical RPR Services



**EXHIBIT B: DETAILED FEES, EXPENSES AND PAYMENTS**

EXHIBIT B-I Summary of Fees

EXHIBIT B-II Schedule of Payments

**EXHIBIT C: PROPOSED SCHEDULES**

**EXHIBIT D: DBE**

## CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
03/25/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Marsh Risk & Insurance Services CA License #0437153 633 W. Fifth Street, Suite 1200 Los Angeles, CA 90071 Attn: LosAngeles.certrequest@marsh.com CN101348564-RETRO-GAUE-25-26042030		<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b>																						
<b>INSURED</b> AECOM AECOM Technical Services, Inc. 7650 W. Courtney Campbell Causeway, Suite 700 Tampa, FL 33607-1462		<table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A :</td><td>ACE American Insurance Company</td><td>22667</td></tr><tr><td>INSURER B :</td><td>N/A</td><td>N/A</td></tr><tr><td>INSURER C :</td><td>Illinois Union Insurance Co</td><td>27960</td></tr><tr><td>INSURER D :</td><td></td><td></td></tr><tr><td>INSURER E :</td><td></td><td></td></tr><tr><td>INSURER F :</td><td></td><td></td></tr></table>		INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	ACE American Insurance Company	22667	INSURER B :	N/A	N/A	INSURER C :	Illinois Union Insurance Co	27960	INSURER D :			INSURER E :			INSURER F :		
INSURER(S) AFFORDING COVERAGE		NAIC #																						
INSURER A :	ACE American Insurance Company	22667																						
INSURER B :	N/A	N/A																						
INSURER C :	Illinois Union Insurance Co	27960																						
INSURER D :																								
INSURER E :																								
INSURER F :																								

COVERAGES CERTIFICATE NUMBER: LOS-002693130-08 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <div><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR</div> <div>GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:</div>			HDO G48971714	04/01/2025	04/01/2026	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 5,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <div><input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY</div>			ISA H11370494	04/01/2025	04/01/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <div><input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE</div> <div>DED RETENTION \$</div>						EACH OCCURRENCE \$ AGGREGATE \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WLR C72792300 (AOS) SCF C72792312 (WI Retro)	04/01/2025 04/01/2025	04/01/2026 04/01/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
C	ARCHITECTS & ENG. PROF. LIAB. RETRO DATE 3/23/90			EON G21654693 005 *****CLAIMS MADE*****	04/01/2025	04/01/2026	Per Claim/Agg 5,000,000 Defense Included

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Re: DOA 22-13 General Engineering Consultant Services – Civil Palm Beach County Department of Airports.  
  
Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, Employees and Agents are named as additional insured for GL coverage, but only as respects work performed by or on behalf of the named insured and where required by written contract. See Next Page-

CERTIFICATE HOLDER

CANCELLATION

Palm Beach County Board of County Commissioners c/o Palm Beach County Department of Airports 846 Palm Beach International Airport West Palm Beach, FL 33406	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  Marsh Risk & Insurance Services

© 1988-2016 ACORD CORPORATION. All rights reserved.



ADDITIONAL REMARKS SCHEDULE

AGENCY Marsh Risk & Insurance Services		NAMED INSURED AECOM AECOM Technical Services, Inc. 7650 W. Courtney Campbell Causeway, Suite 700 Tampa, FL 33607-1462
POLICY NUMBER		
CARRIER	NAIC CODE	
EFFECTIVE DATE:		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Contractual Liability is included in the General Liability coverage. Severability Of Interest/Cross Liability is included for General Liability coverage. This insurance is primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and where required by written contract with respect to the GL & AL coverages. Waiver of Subrogation is applicable where required by written contract with respect to GL, AL, WC and Professional Liability.



EXHIBIT A

This Amendment No. 6 is in accordance with the Contract (Agreement R2023-0980) for Consultant/Professional Services between Palm Beach County (COUNTY) and AECOM Technical Services, Inc. (CONSULTANT) dated July 11, 2023.

- EXHIBIT A-1 Task I-25-PHK-A-044 PHK Fuel Farm Replacement: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid)
- EXHIBIT A-2 Task I-25-DOA-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services
- EXHIBIT A-3 Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services
- EXHIBIT A-4 Task I-25-PBI-A-047: PBI Access Control System (ACS) Upgrades
- EXHIBIT A-5 Task I-25-PBI-A-048: PBI Concourse B Expansion Electrical RPR Services





EXHIBIT A-1

**PALM BEACH COUNTY DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-1**

**Miscellaneous Architectural, Planning, Engineering, and Construction Services**

**Palm Beach County Glades Airport  
Task I-25-PHK-A-044: PHK Fuel Farm Replacement: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid)**

**OVERVIEW**

The Palm Beach County Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM) provide professional engineering services to develop the Task I-25-PHK-A-044: PHK Fuel Farm Replacement Project: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid) (Project) at Palm Beach County Glades (Pahokee) Airport (PHK).

**PROJECT TEAM**

The Project Team for this task includes:

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	Project/Task Management
Jacobs Engineering Group Inc. (Jacobs) (SUB-CONSULTANT)	Engineering/Bid Services
Quantum Electrical Engineering (QEE) (SUB-CONSULTANT)	Electrical Engineering/Bid Services
Master Consulting Engineers (MCE) (SUB-CONSULTANT)	Structural Engineering/Bid Services

**SCOPE OF WORK**

Jacobs, under AECOM’s contract for the DOA, will provide services to Re-Package, Re-Bid, and Permit the previously developed Task III-23-PHK-A-036: Fuel Farm Replacement Project: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid) at Palm Beach County Glades (Pahokee) Airport (PHK). This project had been bid previously, but upon the DOA’s review of the received bid package documents, it was ultimately concluded that the singular bid was an unbalanced bid. AECOM will provide project management for this Project, including the delivery of Jacob’s submittals to the DOA, and Jacobs, QEE, and MCE will provide their scope of services as detailed in the attached documents, in order to: Re-Package, Re-Bid, and Permit the previously developed Task III-23-PHK-A-005: Fuel Farm Replacement Project.

**Project Schedule**

The AECOM Team will complete this Project not more than 120 calendar days after NTP is issued by DOA.

**Project Deliverables**

All deliverables will be made electronically. Deliverables include:

- 1. Bid Documents (Drawings and Project Manual);
- 2. Review Meeting Agenda and Minutes;
- 3. Plan-Holders List;
- 4. Pre-Bid Conference Agenda and Minutes;
- 5. Bidding Addenda and RFI Responses;
- 6. Bid Evaluation, Checklist, and "Recommendation of Award Letter".

**Assumptions:**

- In providing opinions of probable construction costs, the DOA understands that the CONSULTANT has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made based on the CONSULTANT'S qualifications and experience.
- The CONSULTANT makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.
- CONSULTANT shall not be responsible for the means, methods, techniques, and sequences, procedures of construction or selection of materials selected by the Contractor or the safety precautions and programs incident to the work of the Contractor.
- CONSULTANT shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.

**Estimated Duration**

Deliverable	Days From NTP
Develop Bid/Permitting Documents	30 Days
Bid Period	90 Days
Total	120 Days

**Exhibit B**

**Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PHK-A-044: PHK Fuel Farm Replacement, Re-Bidding, and Permitting Services (2025 Re-Bid)**

[illegible]

Subconsultant Fees Task 1.0				
1	Jacobs	LS	\$	30,413.18
		Expenses		
2	QEE	LS	\$	2,050.00
		Expenses		
3	MCE	LS	\$	4,850.28
		Expenses	\$	99.43
		LS		\$47,554.46
		TM		\$0.00
		EXP		<u>\$99.43</u>
				\$47,653.89

GRAND TOTAL FEE - BASIC ENGINEERING SERVICES	\$	47,653.89
--	----	-----------

Prepared by: AECOM Technical Services, Inc.



**PALM BEACH COUNTY GENERAL CONSULTING SERVICES**

**EXHIBIT “A-TASK I-25-PHK-A-044”**

**Task Scope Sheet**

<b>TASK I-25-PHK-A-044</b>	<b>Palm Beach County Department of Airports / AECOM Palm Beach County Glades (Pahokee) Airport (PHK) Fuel Farm Replacement Re-Packaging, Re-Bidding, and Permitting Services (2025)</b>
----------------------------	---

**Overview**

AECOM has requested that Jacobs Engineering Group Inc. (CONSULTANT), provide Re-Packaging, Re-Bidding, and Permitting Services associated with Task I-16-PHK-C-006: Fuel Farm Replacement project at Palm Beach County Glades (Pahokee) Airport (PHK).

The CONSULTANT previously provided Design, Permitting and Bidding Services under Task I-16-PHK-C-006. Through the duration of this task, the CONSULTANT completed Phases 1 through 4, which included delivery of an Engineer’s Report, Preliminary Design Package, Contract Documents Package, and assistance through Bid and Award. On April 30<sup>th</sup>, 2019, bid opening was conducted by the Palm Beach County DOA, where one contractor bid was received. After the CONSULTANT and DOA’s review of the received bid package documents, it was ultimately concluded that the singular bid was an unbalanced bid. As a result, the project was not awarded. Following an update and repackaging/re-bidding effort in May 2024, another bid opening was conducted by the Palm Beach County DOA, where one contractor bid was (again) received and never awarded. After the CONSULTANT and DOA’s review of the received bid package documents, it was (again) concluded that the bid was unbalanced.

As a result, AECOM has requested the CONSULTANT to provide re-packaging, re-bidding, and permitting services for the PHK Fuel Farm Replacement project with the ultimate goal to award the project to a bid that conforms with Local, State and Federal bid regulations. This document outlines the proposed approach to accomplish these services.

**Scope of Services**

Project Team

CONSULTANT will provide re-packaging, re-bidding, and permitting services.

Basic Services

The following paragraphs summarize CONSULTANT’s Re-Packaging, Re-Bidding, and Permitting Services.

**1.0 PHASE 1 – Re-Packaging and Permitting of Bid Documents**

As part of this phase, CONSULTANT will perform the following Tasks 1 through 6:



- 
- 1.1 Update Bid Document - Project Manual (*updated cover, technical specifications, borders and dates—excludes front ends*)
  - 1.2 Update Bid Document – Drawings (*updated cover, borders and dates*)
  - 1.3 Independent Technical Review of Bid Documents
  - 1.4 Issue Updated Bid Documents to AECOM/DOA
  - 1.5 Permitting Coordination for Repackage (SFWMD, FDPE, PZB)
  - 1.6 Task Coordination and Management

## 2.0 PHASE 2 – Re-Bid and Award

As part of this phase, CONSULTANT will perform the following Tasks 1 through 5:

- 2.1 Assist AECOM/DOA in advertisement and processing of Bid Documents
- 2.2 Attend one (1) Pre-Bid Conference\*  
*\*This task excludes the drafting and issuance of a meeting agenda and meeting minutes.*
- 2.3 Prepare and Issue Addenda (two (2) max.)
- 2.4 Respond to Contractor Requests for Information (RFIs)

## Project Schedule

CONSULTANT will complete PHASES 1 and 2 not more than 120 calendar days after NTP is issued by the DOA.

## Project Deliverables

All deliverables will be made electronically. Deliverables include:

1. Bid Documents (Drawings and Project Manual)
2. Pre-Bid Conference Agenda and Minutes
3. Bidding Addenda and RFI Responses (as applicable)

## Project Assumptions

1. CONSULTANT will perform services listed in this scope of services. It is assumed that AECOM or the DOA is responsible for all services NOT listed in this scope of services.
2. Extensions in schedule or changes in design originated from the DOA may result in a supplemental services request by the CONSULTANT.
3. Permit fees are not included in CONSULTANT's scope of work.
4. Permitting Services efforts beyond the effort included in Exhibit B may result in a supplemental services request by the CONSULTANT.
5. DOA will be responsible for environmental permitting, monitoring, sampling, and testing.
6. DOA will provide guidance to tank disposal, including location to place demolished tanks and any procedures above local and state requirements.
7. No printing costs are included. All deliverables will be electronic.

- 
8. Jacobs will reasonably rely upon the accuracy, timeliness, and completeness of the information/data provided by the DOA or other third parties without independent verification. Additional effort by Jacobs due to invalid data or information provided by the DOA or other third-parties, may entitle Jacobs to additional Compensation.
  9. In providing opinions of cost, financial analyses, economic feasibility projections, for the project, Jacobs has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by operating personnel or third parties; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, Jacobs makes no warranty that DOA's actual project costs, financial aspects, economic feasibility, will not vary from Jacobs' opinions, analyses, projections, or estimates and Jacobs shall have no liability for such variances.
  10. In soils, foundation, groundwater, utilities, and other subsurface investigations, the actual characteristics may vary significantly between successive test points and sample intervals and at locations other than where observations, exploration, and investigations have been made. Because of the inherent uncertainties in subsurface evaluations, changed or unanticipated underground conditions may occur that could affect total project cost and/or execution. These conditions and cost/execution effects are not the responsibility of Jacobs.
  11. Jacobs shall at no time take title, risk of loss or ownership of the hazardous substances. DOA recognizes that Jacobs assumes no risk and/or liability for hazardous substances encountered while performing any services associated with such hazardous substances.
  12. The design will be based on the federal, state, and local codes and standards in effect on the effective date of the authorization. Any changes in these codes or standards may necessitate a change in scope, to include an equitable adjustment.

Exhibit B

Labor/Fee Estimate Summary - PHK Fuel Farm Replacement: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid)

Billing Rate:							
		\$	224.86	\$	177.66	\$	142.92
		\$	112.59	\$	76.51		
Labor Estimate (Hours)							Fee Estimate (\$)
Task Description	Senior Technologist / Senior Project Manager	Project Manager / Design Manager / Task Leader	Project Engineer / Planner	Document Control Specialist	Admin.	Total Labor Hours	Total Fee
TASK I-25-PHK-A-044							
1.0 Re-Packaging and Permitting of Bid Documents	26	68	0	0	12	106	\$ 18,845.36
1.1 Update Bid Documents –Project Manual (updated technical specifications, cover,borders and dates-- excludes front ends)	8	16			8	32	\$ 5,263.52
1.2 Update Bid Documents – Drawings (updated cover, borders and dates)	4	24				28	\$ 5,163.28
1.3 Independent Technical Review of Bid Documents	4					4	\$ 899.44
1.4 Issue Updated Bid Documents to AECOMWDOA	2	8				10	\$ 1,871.00
1.5 Permitting Coordination for Repackage (SFWMD, FDPE, PZB)		16				16	\$ 2,842.56
1.6 Task Coordination and Management	8	4			4	16	\$ 2,815.56
Jacobs Phase 1 - Repackaging & Permitting - Lump Sum	26	68	0	0	12	106	\$ 18,845.36
2.0 Re-Bid and Award	16	44	0	0	2	62	\$ 11,567.82
2.1 Assist AECOMWDOA in advertisement and processing of Bid Documents	4	4			2	10	\$ 1,763.10
2.2 Attend one (1) Pre-Bid Conference	8					8	\$ 1,798.88
2.3 Prepare and Issue Addenda (2 max)	2	16				18	\$ 3,292.28
2.4 Respond to Contractor Requests for Information (RFIs)	2	24				26	\$ 4,713.56
Jacobs Phase 2 - Re-Bid and Award - Lump Sum	16	44	0	0	2	62	\$ 11,567.82
REIMBURSABLE EXPENSES - T&M							\$ -
GRAND TOTAL - PHASES 1 & 2	42	112	0	0	14	168	\$ 30,413.18



May 19, 2025

Ms. Alejandra Schmidt, P.E.  
Aviation Civil Engineer  
AECOM  
2090 Palm Beach Lakes Blvd #600  
West Palm Beach, FL 33409

RE: PBC Glades Airport Fuel Farm Documents Repackage  
3800 State Rd 715, Pahokee, FL 33476

Dear Ms. Schmidt:

Master Consulting Engineers, Inc. (MCE) is pleased to present this proposal for structural engineering services for the structural documents bidding repackaging corresponding to the Fuel Farm Replacement located in the Palm Beach County's Glades Airport in Pahokee, Florida.

**I. Project Description / Scope of Services:**

Based on the information and drawings provided, the following are MCE's understanding and assumptions of the required tasks for this project:

- a) Review previously submitted structural drawings prepared in 2023 to assess any revisions required for code compliance with the 2023 Florida Building Code (8th Edition).
- b) Update structural calculations, notes, and loading criteria to reflect the latest code requirements (FBC 2023 and referenced ASCE 7-22 provisions).
- c) Revise and update all structural drawings previously prepared to meet current code formatting, annotations, and technical standards.
- d) Repackage the construction documents for re-bid and permit submittal, including updated title blocks, sheet indices, and drawing dates.
- e) Prepare a revised Opinion of Probable Construction Cost (OPCC) for the structural scope based on updated drawings and assumptions.
- f) Provide structural assistance during the bidding process, including responses to contractor inquiries and issuing structural addenda if necessary.
- g) Provide structural assistance during the permit process, including responses to Building Department comments and any necessary plan revisions to achieve permit approval.
- h) There are no additional structural elements considered for this project. Any additional work will be an added service and will require approval for the additional service prior to the commencement of work.
- i) Construction Administration services have not been included in this proposal.



PHK Fuel Farm Documents Repackage  
Structural engineering fee estimate

Task	Principal		Senior Project Engineer		Project Engineer		Structural CAD Technician		Administrator		Line Item cost	Sub-total by Task
	\$206.27		\$134.83		\$125.25		\$83.69		\$50.58			
	Hours	Amount	Hours	Amount	Hours	Amount	Hours	Amount	Hours	Amount		

Task 1 - 100 % Construction Documents												
1	Review previous drawings and calculations to determine the information to be revised		\$ -		\$ -	1	\$ 125.25	1	\$ 83.69		\$ -	\$208.94
2	Update structural calculations and loading criteria per the new building code		\$ -	1	\$ 134.83	4	\$ 501.00	4	\$ 334.76		\$ -	\$970.59
3	Revise and update all the structural drawings per new codes, annotations, title blocks, etc.	1	\$ 206.27	1	\$ 134.83	2	\$ 250.50	8	\$ 669.52		\$ -	\$1,261.12
4	Prepare an updated Opinion of Probable Construction Cost for the structural items		\$ -	1	\$ 134.83	4	\$ 501.00		\$ -		\$ -	\$635.83
			\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Sub- total hours and amount per task		1	\$ 206.27	3	\$ 404.49	11	\$ 1,377.75	13	\$ 1,087.97	0	\$ -	\$ 3,076.48
Task 2 - Bidding Assistance												
1	Respond to bidders RFIs		\$ -	1	\$ 134.83	2	\$ 250.50		\$ -		\$ -	\$385.33
2	Produce Sketch as required by bidders RFIs		\$ -		\$ -	2	\$ 250.50	4	\$ 334.76		\$ -	\$585.26
3	Review bids and provide recommendations		\$ -		\$ -	2	\$ 250.50		\$ -		\$ -	\$250.50
			\$ -		\$ -		\$ -		\$ -		\$ -	\$0.00
Sub- total hours and amount per task		0	\$ -	1	\$ 134.83	6	\$ 751.50	4	\$ 334.76	0	\$ -	\$ 1,221.09
Task 3 - Permitting Assistance												
1	Review building department comments and provide responses and/or revisions to drawings.		\$ -	1	\$ 134.83	2	\$ 250.50	2	\$ 167.38		\$ -	\$552.71
			\$ -		\$ -		\$ -		\$ -		\$ -	\$0.00
			\$ -		\$ -		\$ -		\$ -		\$ -	\$0.00
Sub- total hours and amount per task		0	\$ -	1	\$ 134.83	2	\$ 250.50	2	\$ 167.38	0	\$ -	\$ 552.71
Total Project Hours and amount		1	\$ 206.27	5	\$ 674.15	19	\$ 2,379.75	19	\$ 1,590.11	0	\$ -	\$ 4,850.28
Percentage hours and amount by position		2.27%	4.25%	11.36%	13.90%	43.18%	49.06%	43.18%	32.78%	0.00%	0.00%	

Total Hours	44.0
Engineering fee	\$4,850.28
Estimated Expenses, printing, delivery	\$99.43
Total Fee	\$4,949.71



May 15, 2025

AECOM Technical Services, Inc.  
Mrs. Alejandra Schmidt, P.E.  
Aviation Civil Engineer  
7650 West Courtney Campbell Causeway  
Tampa, FL 33607

Subject: Electrical Services Fee Proposal for the Palm Beach County Department of  
Airports (DOA) – PHK Fuel Farm Replacement Repackaging.

Dear Alejandra:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical services fee proposal for the Palm Beach County Glades (Pahokee) Airport (PHK) Fuel Farm Replacement Repackaging.

The following items are included in our scope.

- Includes attending pre-bid meeting and pre-bid on-site visit.
- Includes responses to RFIs and addenda revisions.
- Includes review of electrical bid results.
- Includes permit comment responses and associated plan revisions.

#### **Exclusions and Assumptions**

- Assumes minor revisions to plans and specifications and no redesign.
- AECOM shall provide all drawings from AECOM Design Team to Quantum in AutoCAD 2024 or higher.
- Quantum shall provide an (1) electronic set of electrical plans & specifications to AECOM for permit and rebid documents.
- AECOM shall provide all printing of plans & specifications for review, rebid, permit and construction phases.
- Does not include construction services.

**Our proposed total Lump-Sum fee is:**

**\$ 2,090.00**

(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

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

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

<b>PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - PHK FUEL FARM REPLACEMENT REPACKAGING</b> <b>QUANTUM ELECTRICAL ENGINEERING, INC.</b> <b>SCOPE FEE SUMMARY</b> <b>FEE PROPOSAL ELECTRICAL SERVICES to AE 5-15-2025</b>									
	Rate	\$170.00	\$150.00	\$145.00	\$85.00	\$140.00	\$50.00		
	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
<b>Repackaging</b>									
Attending Pre-Bidding Meeting		1					1		\$150.00
Attending Pre-Bidding Site Visit		5					5		\$750.00
Responses to RFIs		2		2		1	5		\$520.00
Review of Electrical Bid Results		1					1		\$150.00
Permitting Comment Responses and Revisions		2		2		1	5		\$520.00
<b>Subtotal</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>17</b>		<b>\$2,090.00</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>17</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$1,650.00</b>	<b>\$0.00</b>	<b>\$340.00</b>	<b>\$0.00</b>	<b>\$100.00</b>			<b>\$2,090.00</b>

## EXHIBIT A-2

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-2**

**Miscellaneous Planning, Engineering and Construction Services**

**Palm Beach International Airport (PBI)**

**Task I-25-PBI-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services**

**OVERVIEW**

The Palm Beach DOA Department of Airports (DOA) has requested AECOM Technical Services, Inc. (CONSULTANT) provide Professional Engineering Services associated with Task I-25-PBI-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services Project (Project) at Palm Beach International Airport (PBI). The scope of work for this Project includes providing Construction Management (CM), Construction Administration (CA), and Resident Project Representative (RPR) services for the previously designed Palm Beach County Task I-23-PBI-A-013 PBI Turnage Boulevard Rehabilitation Project that was Bid in 2025.

**PROJECT TEAM**

The Project Team for these construction services will consist of:

<b>Firm Name</b> (CONSULTANT/SUBCONSULTANT)	<b>Type of Services</b>
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	CM/CA/RPR Services
Scalar Consulting Group, LLC (SCALAR) (SUBCONSULTANT)	Civil CA Services
Tierra South Florida, Inc. (TSF) (SUBCONSULTANT)	Material Testing Services

**PROJECT OBJECTIVE AND APPROACH**

The objective of this Project is to rehabilitate Turnage Blvd, the primary access road to Palm Beach International Airport. This Project includes pavement removal, milling, earthwork, grading, paving, marking, and signage updates.

Procurement shall consist of materials procurement and mobilization for a period of thirty (30) Calendar Days from the Notice to Proceed (NTP). Project construction will be for a period of two hundred and ten (210) Calendar Days from the completion of the Procurement phase to substantial completion. Final acceptance shall be achieved within a period of Thirty (30) Calendar Days from the date of substantial completion.



**Task I – CM/CA Services**

AECOM will provide CM/CA Services throughout the scheduled construction of this Project and will include the following:

- A. Conferences and Meetings: Attend and facilitate meetings between Owner, Contractor(s), and Stakeholders, such as preconstruction meeting, kick-off meeting, progress meetings (a maximum four (4) progress meetings during procurement and sixteen (16) bi-weekly construction progress meetings plus two (2) progress meetings during Final Close-out, job conferences and other project related meetings. Meeting Minutes for all formal meetings will be prepared by AECOM;
- B. Conformed Documents: Prepare (6) sets of Conformed Contract Plans and Specifications for Contract Execution. Prepare (6) sets of Executed Contract Documents for Construction, (3) for DOA, and (3) for the Contractor. Prepare a CD with Deliverables;
- C. Review Contractor's Maintenance of Traffic Plans;
- D. Review Contractors survey compared to design survey. Review as-builts for contractors in progress construction;
- E. Review Contractor's Critical Path Schedule;
- F. Review Contractor's Safety and Security Plans;
- G. Shop Drawings: Review and approve shop drawings prior to the beginning of construction activities. Develop and maintain a log that summarizes status of all shop drawings;
- H. Clarification of Contract Documents: Respond to various Requests for Information, Job memoranda, and other field prepared inquiries;
- I. QA Materials Testing: Provide materials testing for construction activities. This includes verifying that the base and subgrade compaction and materials meet FAA requirements. Facilitate meeting at onset of Project outlining material testing requirements, as outlined in the contract documents, with materials testing personnel, RPR, and the Contractor;
- J. CONSULTANT will review QA Materials Test Results and Laboratory Reports performed by responsible Subconsultant;
- K. Records: Maintain electronic files of correspondence, meeting minutes, shop drawings and Contract Documents including all work directive changes, addenda, change orders, field orders, additional drawings issued subsequent to the execution of the contract, clarifications and interpretations of the Contract Documents, progress reports and other project related documents.
- L. Payment Requests: Review applications for payment with quantities observed and forward recommendations to the DOA;
- M. AECOM will be responsible for preparation, processing, review and document control of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives, and Notices of Non-Compliance;
- N. Task Management and Coordination: Coordinate as needed with DOA Operations and other Project stakeholders;



- O. AECOM will review Contractor the Record Documents for completeness and obvious errors based on readily available information to the AECOM. The AECOM will provide comments prior to acceptance of the Contractor's Record Documents;
- P. AECOM will use all readily available information including the Contractor's As-built to prepare Record Drawings for the completed work; and
- Q. Project Close-out Activities: AECOM will prepare Certificate of Substantial Completion, and other Project related Close-out activities.

## **Task II – RPR Services**

As Part of this task, AECOM will perform the following services as part of RPR:

- A. AECOM will perform Pre-Construction Inspection and take photographs of the Project Site in collaboration with the Contractor and the DOA to document existing site conditions.
- B. CONSULTANT will review Contractor Daily Reports;
- C. RPR Services: CONSULTANT will provide full-time on-site observations of the quality and progress of the contractor's work in order to determine if the construction is proceeding in accordance with the Contract Documents. The RPR's efforts will be directed toward determining whether the constructed project conforms to the Contract Documents. These RPR Services will include developing Daily Reports, monitoring the Contractor's progress, serving as the Owner's liaison with the Contractor, and conducting on-site observations of the construction activities in progress to assist in determining if the work is being carried out in compliance with the Contract Documents;
- D. Periodic Inspection Services: AECOM construction manager/EOR will provide periodic inspections (bi-weekly inspections total of sixteen (16) inspections);
- E. Interpretation and AECOM will review Guarantees, Warranties, Certifications, and Operation & Maintenance Manuals provided by the Contractor;
- F. Substantial and Final Completion: Conduct substantial and final completion inspection in the company of the DOA, and develop a substantial and final punch list of items in conjunction with Owner to be completed or corrected; and,
- G. Provide Construction Support Services to DOA during the performance of the Project.
- H. RPR Vehicle and Mileage

## **PROJECT SCHEDULE**

AECOM is scheduled to complete this project within 270 Calendar Days following receipt of the Notice to Proceed.

## **PROJECT DELIVERABLES**

Project Deliverables are as described in the above-mentioned Tasks I and II.

## **PROJECT ASSUMPTIONS**

1. AECOM shall not be responsible for the means, methods, techniques, sequences, procedures of construction or selection of materials selected by the Contractor or the safety precautions and programs incident to the work of the Contractor. AECOM shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.
2. AECOM does not have the authority to prepare and/or issue NOTAMs and as a result, this task will be the responsibility of the DOA.
3. AECOM will perform all services listed in this scope of services and it is expected that the DOA will perform services that are not listed.
4. In the event that the DOA and the AECOM believe it to be in the best interests of the Project that additional construction engineering inspection services, or additional services beyond what is provided in this scope of work be provided by the AECOM, a separate Task Authorization, which specifies the proposed scope of services to be performed, will be prepared.
5. AECOM understands and agrees that the DOA shall have the responsibility for the general administration of the construction contract. AECOM shall not have the authority or responsibility to accept or reject work done by the Contractor and is only responsible for providing recommendations to the DOA based on the available information.



Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PBI-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services

Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Labor Estimate (Hours)				Total	Fee Estimate (\$)		
						Construction Manager	Senior Inspector	Project Engineer	Clerical		Labor	Expenses	Total
Task 1-25-PBI-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services													
1.0	C&M SERVICES (LUMP SUM + REIM.)	Total	0	2	25	161	0	350	10	548	\$85,343.00	\$ -	\$85,343.00
A	Pre-Construction Conference				1	2		2	2	7	\$ 1,120		\$ 1,120
B	Progress Meetings and Other Meetings (26 Meetings Total)				8	20		40		68	\$ 11,300		\$ 11,300
C	Prepare Conformed and Executed Contract Documents		1	1	2			8		12	\$ 1,932		\$ 1,932
D	Review Contractor's MOT Plans				4			8		12	\$ 1,828		\$ 1,828
E	Review Contractor's Survey				4			8		12	\$ 1,828		\$ 1,828
F	Review Contractor's Critical Path Schedule				2			4		6	\$ 914		\$ 914
G	Review Contractor's Safety and Security Plans				4			8		12	\$ 1,828		\$ 1,828
H	Process Review and Approve Shop Drawings and Submittals			2	8			32		42	\$ 6,244		\$ 6,244
I	Process Review and Approve Shop Drawings and Re-Submittals			1	4			16		21	\$ 3,122		\$ 3,122
J	Interpretation and Clarification of Contract Documents/RFIs			6	16			32		54	\$ 8,932		\$ 8,932
K	Facilitate and Coordinate Material Testing			2	8			16		26	\$ 4,196		\$ 4,196
L	Review QA Materials Test Results				15			40		55	\$ 8,135		\$ 8,135
M	Record and Maintain Electronic Files				8			8		16	\$ 2,632		\$ 2,632
N	Review Contractor's Applications for Payment				20			40		60	\$ 9,140		\$ 9,140
O	Preparation of Change Orders, Notices of Non-Compliance etc.				20			40		60	\$ 9,140		\$ 9,140
P	Task management and Coordination			4	8			8	4	24	\$ 4,096		\$ 4,096
Q	Review of Contractor's As-Built Documents				8			16		24	\$ 3,656		\$ 3,656
	Prepare Record Drawings		1		4			16		21	\$ 3,088		\$ 3,088
	Project Closeout				4			8	4	16	\$ 2,212		\$ 2,212
2.0	RPR SERVICES (T&M + REIM.)	Total	600	0	48	144	600	768	0	2,160	\$287,808.00	\$ -	\$287,808.00
A	Pre-Construction Survey Validation, Inspection & Photographs					4		16		20	\$ 2,852		\$ 2,852
B	Review Contractor Daily Reports					30		30		60	\$ 9,870		\$ 9,870
C	Full Time Inspections (30 weeks, 60 hours per week)		600				600	600		1,800	\$ 224,400		\$ 224,400
D	Periodic Inspections (Sixteen (16) bi-weekly inspections)			24	54			54		132	\$ 24,246		\$ 24,246
E	Review Guarantees, Warranties, Certifications, and O&M Manuals			4	16					20	\$ 4,296		\$ 4,296
F	Substantial and Final Completion Inspection			4	8			8		20	\$ 3,712		\$ 3,712
G	Construction Support Services			16	32			60		108	\$ 18,432		\$ 18,432
H	RPR Vehicle and Mileage										\$ -		\$ -
Total Fee - AECOM Technical Services, Inc.			600	2	73	305	600	1,118	10	2,708	\$373,151.00	\$ -	\$373,151.00
Subconsultant Fees Task 1.0													
1	Scalar Consulting Group, Inc. (LS)		\$ 61,575.96										
	Scalar Consulting Group, Inc. (T&M)												
2	Tierra South Florida, Inc. (T&M)		\$ 43,684.36										
Total Fee - Subconsultants			\$ 105,260.32										
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES				\$478,411.32									
Prepared by: AECOM Technical Services, Inc.													



June 30, 2025

AECOM  
7650 West Courtney Campbell Causeway  
Tampa, Florida 33607  
Attn: Mr. Clint Martin | Project Manager, Aviation  
Email: [Clint.Martin@aecom.com](mailto:Clint.Martin@aecom.com)  
Phone: (906) 236-2874

Subject: Proposal for Construction Material Testing Services  
**PBI Turnage Blvd Rehabilitation**  
**Palm Beach County, Florida**  
TSFGeo Proposal No. 2506-392-R1

Dear Mr. Martin:

As requested, Tierra South Florida, Inc. (TSFGeo) is pleased to submit this proposal for providing Construction Material Testing Services for the above-referenced project. Herein, we provide a general discussion of services that we understand will be required for this project, present our Schedule of Fees for such services.

### PROJECT DESCRIPTION

Our proposal is based on preliminary information provided to this office. We understand that the project includes cold milling and resurfacing of existing asphalt pavement, asphalt pavement reconstruction, signage and pavement markings, and electrical lighting improvements.

### QUALIFICATIONS

TSFGeo is a recognized SBE consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering & testing, roof & pavement consulting, threshold services, and facilities consulting and engineering.

TSFGeo's Florida offices, located in West Palm Beach, Miami and Tampa, have over 40 engineers, inspectors, and support staff available to assist our clients. Our inspectors are ACI and AWS trained/certified in their respective disciplines, as required by building codes and industry standards. Our engineering staff includes registered professional engineers with significant construction experience in South Florida.

TSFGeo has earned a reputation for delivering quality service at reasonable costs. TSFGeo has successfully completed thousands of projects for a variety of industries and organizations, including private, corporate and industrial clients, medical facilities, civilian and military agencies of the federal, state and local governments, colleges and universities, and local education agencies.



## **PROPOSED SCOPE OF SERVICES**

We recognize that construction projects are built in the "real world" and that proposed schedules do not always work out. Therefore, we appreciate the importance of being able to respond to requests for our services on short notice and of working hours other than the normal schedule, including nighttime work and weekend work.

Based on the experience we have had in other projects like this and our understanding of the project requirements, we anticipate that the following testing services will be required during the design and construction phases of the project.

### **CONSTRUCTION MATERIAL TESTING SERVICES**

- In-place density tests (using nuclear density methods) on embankment, utility backfill along with representative Proctor tests, Gradation, and Organic Content tests.
- In-place density tests per ASTM D1556/D6938 on compacted subgrade material, along with representative LBR tests, Gradation and Atterberg Limits tests.
- In-place density tests per ASTM D1556/D6938 on subbase and base materials, along with LBR tests, Gradation, Proctor tests, and Atterberg Limits.
- Obtain aggregate base samples for base material and conduct sieve analysis to confirm gradation requirements per material specifications.
- Compressive strength tests for miscellaneous concrete (curbs, sidewalks).
- Inspection of asphalt plant supplier prior to starting asphalt operations.
- Provide senior engineering technician to assist with asphalt plant/field inspections and testing during production.
- Compute percentage of material within specification limits (PWL) for each lot of paving.

### **PROFESSIONAL SERVICES**

- Professional Engineer registered in the State of Florida, to supervise field and laboratory activities, review and sign/seal daily laboratory reports.
- Administrative / Clerical Assistant to prepare and distribute reports.

*Please note that our services do not include supervision or direction of the actual work. Job site safety will be the sole responsibility of the contractor. Construction defects not related to structural works, such as water penetration (in roofing, windows, doors, louvers), and building finishings (interior, exterior), stairs (railings, surface finish, tread/riser ratio) are not part of our scope of work. TSFGeo cannot be responsible for non-structural defects that could lead to structural elements failures down the road.*

In this proposal the words "inspection" and "verify" are used to mean observation of the work and the conducting of tests by TSF to determine substantial compliance with plans, specifications and design concepts.



## CONSTRUCTION MATERIAL TESTING ESTIMATED FEES


The actual fees of our work will be highly dependent on the construction schedule. We propose to provide our work on a unit cost basis; based on the actual work performed and the unit fees attached to this proposal. Invoices will be submitted monthly for the portion of work completed. An estimate for each proposed task is indicated below:

**Construction Material Testing Services Total Fee: \$ 43,684.36**

We appreciate the opportunity to offer our services for your project. Should you have any questions or need additional information, do not hesitate to contact me at (561) 687-8536.

Respectfully submitted,

TSFGeo

  
Wilson Gonzalez  
Construction Operations Manager

  
Stephen Hey  
Construction Services Manager

Attachments: Fees Breakdown  
General Notes – Authorization  
General Conditions

FEES BREAKDOWN

ITEM	Quantity	Rate	Units	Extended
<b>CONSTRUCTION MATERIAL TESTING SERVICES</b>				
<b>LABORATORY TESTING SERVICES</b>				
Modified or Standard Proctor	4	\$ 120.00	test	\$ 480.00
LBR	2	\$ 350.00	test	\$ 700.00
Carbonate Content	1	\$ 120.00	test	\$ 120.00
Sieve Analysis	5	\$ 65.00	test	\$ 325.00
Organic Content	4	\$ 50.00	test	\$ 200.00
Atterberg Limits	5	\$ 90.00	test	\$ 450.00
Subtotal				\$ 2,275.00
<b>CONCRETE / SOIL</b>				
Compression Testing of Concrete Cylinders-(set of 4)	8	\$ 150.00	set	\$ 1,200.00
Senior Engineering Techniciain - Density/Concrete testing, Stand by, Sample Pick up	35	\$ 91.68	hour	\$ 3,208.80
Nuclear Density Test - up to five (5) test per trip	18	\$ 140.00	trip	\$ 2,520.00
Additional Density tests (beyond 5 tests)	0	\$ 28.00	each	\$ -
Subtotal				\$ 6,928.80
<b>PROFESSIONAL AND TECHNICAL SERVICES</b>				
Principal Engineering	10	\$ 269.40	hour	\$ 2,694.00
Asphalt Plant Inspector	240	\$ 101.88	hour	\$ 24,451.20
Asphalt Field inspector	72	\$ 101.88	hour	\$ 7,335.36
Subtotal				\$ 34,480.56
Total Estimated Fees for Construction Material Testing				\$ 43,684.36

ESTIMATE OF WORK EFFORT AND COST

Name of Project:		James L. Turnage Blvd. Rehabilitation - Post Design							Consultant Name: Scalar Consulting Group, LLC					
County:		Palm Beach							Consultant No.: TBD					
FPN:		PB 25-6							Date: 7/16/2025					
FAP No.:		1/0/1900							Estimator: Dan Burns, PE					
Staff Classification	Total Staff Hours From "SH Summary -	CEI Admin.	Chief Engineer 1 Home	Senior Engineer 1 Home	Project Engineer	Designer	Engineering Intern Home	Engineering Technician Home	Staff Classification 9	Staff Classification 10	Staff Classification 12	SH By Activity	Cost By Activity	Average Rate Per Task
		\$233.64	N/A	\$272.61	\$199.05	\$93.75	\$94.89	\$29.50	\$0.00	\$0.00	\$0.00			
3. Project General Tasks	64	51	0	13	0	0	0	0	0	0	0	64	\$15,460	\$241.56
4. Roadway	135	14	0	14	34	34	41	0	0	0	0	135	\$20,933	\$155.06
6. Structures	56	0	0	56	0	0	0	0	0	0	0	56	\$15,266	\$272.61
7. Signing and Marking	36	5	0	9	11	0	11	0	0	0	0	36	\$6,855	\$190.42
8. Signalization	16	3	0	4	4	0	5	0	0	0	0	16	\$3,062	\$191.38
Total Staff Hours		307	73	0	96	49	34	57	0	0	0	307		
Total Staff Cost			\$17,055.72	\$0.00	\$26,170.56	\$9,753.45	\$3,187.50	\$5,408.73	\$0.00	\$0.00	\$0.00		\$61,575.96	\$200.57

Check = \$61,575.96

Notes:

- 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SUBTOTAL ESTIMATED FEE:

\$61,575.96

Estimator: Dan Burns, PE

James L. Turnage Blvd. Rehabilitation - Post Design  
PB 25-6

		Project Manager Meeting (EA)			Plans Revisions (EA)&Record Drawings			Shop Drawing Reviews (EA)			Request for Information Resolution (EA)			Field Reviews (EA)			Total
		3.1			4.1, 6.1, 7.1, 8.1, 9.1, 10.1			4.2, 5.2, 6.2, 7.2, 8.2, 9.2, 10.2			4.3, 5.3, 6.3, 7.3, 8.3, 9.3, 10.3			3.2, 4.4, 5.4, 6.4, 7.4, 8.4, 9.4, 10.4			
Task No.	Task	No of Mtgs	Hours / Mtg	Total Hours	No of Units	Hours / Unit	Total Hours	No of Units	Hours / Unit	Total Hours	No of Units	Hours / Unit	Total Hours	No of Units	Hours / Unit	Total Hours	
3	General Task	32	1	32										8	4	32	64
4	Roadway/Drainage						21	3	2	6	4	1	4	26	4	104	135
6	Structures (multi-post						4	11	2	22	3	2	6	6	4	24	56
7	Signing & Marking						6	16	1	16	6	1	6	2	4	8	36
8	Signalization						4	4	1	4	4	1	4	1	4	4	16
							0			0			0			0	0
							0			0			0			0	0
																	307

Form Revised 06/27/07

## EXHIBIT A-3



**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-3**

**Miscellaneous Planning, Engineering and Construction Services**

**North Palm Beach County General Aviation Airport (F45)**

**Palm Beach County Park Airport (LNA)**

**Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services**

**OVERVIEW**

The Palm Beach DOA Department of Airports (DOA) has requested AECOM Technical Services, Inc. (CONSULTANT) provide Professional Engineering Services associated with Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services (Project) at North Palm Beach County General Aviation Airport (F45) and Palm Beach County Park Airport (LNA). The scope of work for this Project includes providing Construction Management (CM), Construction Administration (CA), and Resident Project Representative (RPR) services for the previous Palm Beach County Task I-24-DOA-A-020 LNA and F45 AWOS Replacement Project that was Bid in 2025.

**PROJECT TEAM**

The Project Team for these construction services will consist of:

<b>Firm Name (CONSULTANT/SUBCONSULTANT)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	CM/CA/RPR Services
Quantum Electrical Engineering (QEE) (SUBCONSULTANT)	Electrical CA/RPR

**PROJECT OBJECTIVE AND APPROACH**

The objective of this Project is to replace and update the AWOS sensors and equipment at LNA and F45.

Procurement shall consist of materials procurement and mobilization for a period of one hundred twenty (120) Calendar Days from the Notice to Proceed (NTP). Project construction will be for a period of sixty (60) Calendar Days from the completion of the Procurement phase to substantial completion. Final acceptance shall be achieved within a period of Thirty (30) Calendar Days from the date of substantial completion.

**Task I – CM/CA Services**

AECOM will provide CM/CA Services throughout the scheduled construction of this Project and will include the following:

- A. Conferences and Meetings: Attend and facilitate meetings between Owner, Contractor(s), and Stakeholders, such as preconstruction meeting, kick-off meeting, progress meetings (a maximum two (2) progress meetings during procurement and three (3) construction progress meetings plus two (2) progress meetings during Final Close-out, job conferences and other project related meetings. Meeting Minutes for all formal meetings will be prepared by AECOM;
- B. Conformed Documents: Prepare (6) sets of Conformed Contract Plans and Specifications for Contract Execution. Prepare (6) sets of Executed Contract Documents for Construction, (3) for DOA, and (3) for the Contractor. Prepare a CD with Deliverables;
- C. Review Contractor's Maintenance of Traffic Plans;
- D. Review Contractor's Critical Path Schedule;
- E. Review Contractor's Safety and Security Plans;
- F. Shop Drawings: Review and approve shop drawings prior to the beginning of construction activities. Develop and maintain a log that summarizes status of all shop drawings;
- G. Clarification of Contract Documents: Respond to various Requests for Information, Job memoranda, and other field prepared inquiries;
- H. Records: Maintain electronic files of correspondence, meeting minutes, shop drawings and Contract Documents including all work directive changes, addenda, change orders, field orders, additional drawings issued subsequent to the execution of the contract, clarifications and interpretations of the Contract Documents, progress reports and other project related documents.
- I. Payment Requests: Review applications for payment with quantities observed and forward recommendations to the DOA;
- J. AECOM will be responsible for preparation, processing, review and document control of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives, and Notices of Non-Compliance;
- K. Task Management and Coordination: Coordinate as needed with DOA Operations and other Project stakeholders;
- L. AECOM will review Contractor the Record Documents for completeness and obvious errors based on readily available information to the AECOM. The AECOM will provide comments prior to acceptance of the Contractor's Record Documents;
- M. AECOM will use all readily available information including the Contractor's As-builts to prepare Record Drawings for the completed work; and
- N. Project Close-out Activities: AECOM will prepare Certificate of Substantial Completion, and other Project related Close-out activities.



## **Task II – RPR Services**

As Part of this task, AECOM will perform the following services as part of RPR:

- A. AECOM will perform Pre-Construction Inspection and take photographs of the Project Site in collaboration with the Contractor and the DOA to document existing site conditions.
- B. CONSULTANT will review Contractor Daily Reports;
- C. RPR Services: CONSULTANT will provide full-time on-site observations of the quality and progress of the contractor's work in order to determine if the construction is proceeding in accordance with the Contract Documents. The RPR's efforts will be directed toward determining whether the constructed project conforms to the Contract Documents. These RPR Services will include developing Daily Reports, monitoring the Contractor's progress, serving as the Owner's liaison with the Contractor, and conducting on-site observations of the construction activities in progress to assist in determining if the work is being carried out in compliance with the Contract Documents;
- D. Periodic Inspection Services: AECOM construction manager/EOR will provide periodic inspections (bi-weekly inspections total of six (6) inspections);
- E. Interpretation and AECOM will review Guarantees, Warranties, Certifications, and Operation & Maintenance Manuals provided by the Contractor;
- F. Substantial and Final Completion: Conduct substantial and final completion inspection in the company of the DOA, and develop a substantial and final punch list of items in conjunction with Owner to be completed or corrected; and,
- G. Provide Construction Support Services to DOA during the performance of the Project.
- H. RPR Vehicle and Mileage

## **PROJECT SCHEDULE**

AECOM is scheduled to complete this project within 210 Calendar Days following receipt of the Notice to Proceed.

## **PROJECT DELIVERABLES**

Project Deliverables are as described in the above-mentioned Tasks I and II.

## **PROJECT ASSUMPTIONS**

1. AECOM shall not be responsible for the means, methods, techniques, sequences, procedures of construction or selection of materials selected by the Contractor or the safety precautions and programs incident to the work of the Contractor. AECOM shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.

2. AECOM does not have the authority to prepare and/or issue NOTAMs and as a result, this task will be the responsibility of the DOA.
3. AECOM will perform all services listed in this scope of services and it is expected that the DOA will perform services that are not listed.
4. In the event that the DOA and the AECOM believe it to be in the best interests of the Project that additional construction engineering inspection services, or additional services beyond what is provided in this scope of work be provided by the AECOM, a separate Task Authorization, which specifies the proposed scope of services to be performed, will be prepared.
5. AECOM understands and agrees that the DOA shall have the responsibility for the general administration of the construction contract. AECOM shall not have the authority or responsibility to accept or reject work done by the Contractor and is only responsible for providing recommendations to the DOA based on the available information.



**Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services**

Labor Estimate (Hours)										Fee Estimate (\$)		
Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Project Engineer	Clerical	Total	Labor	Expenses	Total
Task I-25-DOA-A-046 UHA and F45 AWOS Replacement CM/CAR/RPR Services												
1.0	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	5	2	22	45	8	82	\$12,670.00	\$ -	\$12,670.00
A	Pre-Construction Conference				1	1	2		4	\$ 727		\$ 727
A	Progress Meetings and Other Meetings (7 Meetings Total)					3	6		9	\$ 1,371		\$ 1,371
B	Prepare Conformed and Executed Contract Documents			1	1	1	2		3	\$ 963		\$ 963
C	Review Contractor's MOT Plans					1	2		3	\$ 457		\$ 457
D	Review Contractor's Critical Path Schedule					1	2		3	\$ 457		\$ 457
E	Review Contractor's Safety and Security Plans					1	2		3	\$ 457		\$ 457
F	Process Review and Approve Shop Drawings and Submittals			2		2	4		8	\$ 1,386		\$ 1,386
F	Process Review and Approve Shop Drawings and Re-Submittals			1		1	2		4	\$ 693		\$ 693
G	Interpretation and Clarification of Contract Documents/RFI's					1	2		3	\$ 457		\$ 457
H	Establish and Maintain Project Records					1	2		3	\$ 457		\$ 457
I	Review Applications for Payment					1	4		5	\$ 713		\$ 713
J	Preparation of Change Orders, Notices of Non-Compliance etc.					1	4		5	\$ 713		\$ 713
K	Task management and Coordination					2		4	6	\$ 786		\$ 786
L	As Built Review					1	1		2	\$ 329		\$ 329
M	Prepare Record Drawings			1		2	4		7	\$ 1,150		\$ 1,150
N	Project Closeout					2	6	4	12	\$ 1,554		\$ 1,554
2.0	RPR SERVICES (T&M + REIM.)	Total	40	0	2	26	154	0	222	\$29,398.00	\$ -	\$29,398.00
A	Pre-Construction Survey Validation, Inspection & Photographs					2	4		6	\$ 914		\$ 914
B	Review Contractor Daily Reports					8			8	\$ 1,608		\$ 1,608
C	Full Time Inspections (9 weeks, 20 hours per week)		40				140		180	\$ 21,840		\$ 21,840
D	Periodic Inspections (three (3) bi-weekly inspections)					6	6		12	\$ 1,974		\$ 1,974
E	Review Guarantees, Warranties, Certifications, and O&M Manuals				1	2			3	\$ 672		\$ 672
F	Substantial and Final Completion Inspection				1	4			5	\$ 1,074		\$ 1,074
G	Construction Support Services					4	4		8	\$ 1,316		\$ 1,316
Total Fee - AECOM Technical Services, Inc.			40	5	4	48	199	8	304	\$42,068.00	\$ -	\$42,068.00
Subconsultant Fees Task 1.0												
1	Quantum Electrical Engineering (LS)		\$ 11,160.00	<div>LS\$23,830.00</div> <div>TM\$29,398.00</div> <div>EXP\$0</div> <div>Total\$53,228.00</div>								
2	Quantum Electrical Engineering (T&M)											
Total Fee - Subconsultants		\$ 11,160.00										
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES			\$53,228.00									
Prepared by: AECOM Technical Services, Inc.												

June 26, 2025

AECOM Technical Services, Inc.  
Mr. Andrew Kacer, P.E.  
7650 West Courtney Campbell Causeway  
Tampa, FL 33607

Subject: Electrical Construction Administration (CA) Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – F45 and LNA Automated Weather Observation System Replacement Project.

Dear Andy:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide AECOM an electrical construction administration (CA) Services fee proposal for Palm Beach County Department of Airports (DOA) – F45 and LNA Automated Weather Observation System Replacement Project.

**Construction Administration (CA)**

- Includes preparation of Conformed Documents for Construction.
- Includes attending pre-construction meeting with PBC DOA, AECOM and Contractor.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes (4) site observation visits.
- Includes attending virtual progress meetings (8) with PBC DOA, AECOM and Contractor.
- Includes requests for information reviews & approvals.
- Includes change order reviews and comments.
- Includes pay application reviews and comments.
- Includes substantial and final completion inspections.
- Includes review of Contractor "Red Line Plan Mark-ups" and creation of record drawings based on the Contractor "Red Line Plan Mark-ups."

**Our proposed total Lump-Sum fee is:**

**\$ 11,160.00**

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - LNA and F45 AWOS REPLACEMENT CONSTRUCTION ADMINISTRATION									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL SERVICES TO AECOM 6/26/2025									
	Rate	\$170.00	\$150.00	\$145.00	\$85.00	\$140.00	\$50.00		
	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
<b>Construction Administration Services</b>									
Prepare Conformed Documents		1		1			2		\$235.00
Pre-Construction Meeting		1			1		2		\$290.00
Review and Approve Shop Drawings		8			8		16		\$2,320.00
On-site Observations/Field Visits (4 visits @ 4hrs ea)		8			16		24		\$3,440.00
Construction Meetings (Virtual) (8 meetings at 1hr ea)		8					8		\$1,200.00
Respond to Requests for Information (RFI)		4		2			6		\$770.00
Change Orders		1			1		2		\$290.00
Substantial Completion					8		8		\$1,120.00
Final Completion					8		8		\$1,120.00
Review As-builts					1		1		\$140.00
Prepare Record Documents		1		1			2		\$235.00
<b>Subtotal</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>4</b>	<b>43</b>	<b>0</b>	<b>79</b>		<b>\$11,160.00</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>4</b>	<b>43</b>	<b>0</b>	<b>79</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$4,800.00</b>	<b>\$0.00</b>	<b>\$340.00</b>	<b>\$6,020.00</b>	<b>\$0.00</b>			<b>\$11,160.00</b>

## EXHIBIT A-4



PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-4

Miscellaneous Planning, Engineering and Construction Services

Palm Beach International Airport (PBI)

Task I-25-PBI-A-047 PBI Access Control System (ACS) Updates

OVERVIEW

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (CONSULTANT) provide Professional Engineering Services associated with developing the Task I-25-PBI-A-047 PBI Access Control System (ACS) Updates Project (Project) at Palm Beach International Airport (PBI). This project also provides ACS/Video surveillance cameras at Cargo Building 1475.

Project Team

This Project Team for the Professional Engineering Services to be provided by the Team are provided below:

Firm Name (CONSULTANT/SUBCONSULTANT)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	Project Management/Cost Estimating/Invoicing
Quantum Electrical Engineering (QEE) (SUBCONSULTANT)	Electrical Engineering/Lighting
RS&H (SUBCONSULTANT)	Access Control Updates
Brown & Phillips (B&P) (SUBCONSULTANT)	Survey/Utility Locates/Test Holes

RS&H provided an Access Control System Assessment report in December of 2023, which provided recommendations and itemized construction costs associated with each recommendation for replacement of the existing ACS. This scope is to establish services to assure a properly coordinated design for construction of the Project as referenced in the report. The scope of work for this Project shall include the following:

- Replace the existing Continuum ACS (made by Schneider Electric) with Genetec’s “Synergis” ACS as part of the existing Security Center unified platform currently in use at PBI, including software, licenses, and support for existing servers and workstations and integrate with the existing Genetic video management system (VMS).

- Replace existing intelligent field controllers with Genetec model LP1502 and MR52-S3 controllers. Coordinate modifications to the existing electrical distribution system to support the replacement of the intelligent field controllers with the electrical consultant.
- Replace existing card readers with new technology HID Signo readers.
- Replace existing Continuum PIM, PIM2 Automation and Badge Manager, along with the Epi Suite software with Genetec's "Airport Badging System (ABS)".
- Make provisions for the Contractor to rebuild the existing cardholder database.
- Include three (3) new badge printers, two (2) new digital cameras, two (2) new fingerprint scanners, and a document scanner at the Badging Office.
- Owner to upgrade existing camera firmware to be compatible with the new ACS

### **Building 1475 Scope of Work**

Gate Gourmet, an airport tenant, did operate out of Building 1169; however, Building 1169 was demolished in 2024. The DOA at that time wished to relocate Gate Gourmet to Cargo Building 1475.

Project summary of scope also includes:

- Access control of (3) new man doors, doorframes, and door hardware at various locations (See RS&H Proposal for figures).
- Sensor on roof hatch to notify Comm Center when Hatch is opened.
- Connect existing fire alarm system to DOA network.
- New security cameras on the south end of the building under canopies on airside and landside.
- New access control and video surveillance equipment in racks in Building 1475 new Gate Gourmet tenant space.
- Provisions for fiber optic connectivity from Building 1475 into the Airports backbone network.

### **Building 1475 Scope of Work**

Existing fiber currently feeds site gates V3 and CPE2. The east pump house is also served by fiber from gate CPE2; however, the existing fiber is damaged. This Project includes design to removed the existing fiber innerduct and provide new fiber innerduct in the existing ductbank to provide connectivity.

RSH will prepare construction documents; and support the DOA during the bid and award services. A brief overview of pertinent tasks to be performed by RSH for the Project includes:

1. Attend One (1) DOA Design Kick-Off Meeting and prepare meeting minutes;
2. Coordinate Data Collection, Records Research and Review of As-Built information;
3. Field Coordination Meetings (At beginning of survey and throughout geotechnical services);



4. Validate Program Cost Estimate;
5. Facilitate Design Coordination meetings via conference calls and webinars;
6. Prepare 60%, 90% and 100% Contract Documents, General Provisions, Technical Specifications, Drawings, Project Schedule, and Cost Estimates;
7. Attend Submittal Review Meetings. Prepare PowerPoint Presentations, sketches, and agenda for meetings (as applicable);
8. Task Management/Task Administration – Coordination with DOA, DOA Operations, Permitting Agencies (if applicable), Subconsultants, and other stakeholders;
9. Provide Quality Assurance for all deliverables;
10. Prepare and Assemble Final Bid Documents for CMAR: Project Manual, Technical Specifications and Drawings;
11. Task Coordination (FDOT, PBC, DOA Operations, SFWMD, Other Consultants, and other interested project stakeholders); and,
12. Construction Administration Services and Resident Project Representative Services will not be included in this task authorization.

See attached detailed scopes from each SUBCONSULTANT.

**Schedule**

The anticipated duration for this project is 270 calendar days.

**Deliverables**

Specifications, Plans, ACAD Files, and Cost Estimates for 60%,90%, 100%, and Review of GMP for Bid Documents.

**Assumptions:**

1. DOA will provide all record documents applicable to this task.
2. DOA will pay for all permitting costs.
3. Construction Administration and Resident Project Representative Services are not included in this scope of services. If requested, the CONSULTANT will perform Construction Administration and Resident Project Representative Services via a separate task order.
4. In providing opinions of probable construction costs, the DOA understands that the CONSULTANT has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein shall be based on the CONSULTANT'S qualifications and experience. The CONSULTANT makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.
5. CONSULTANT shall not be responsible for the means, methods, techniques, and sequences, procedures of construction or selection of materials selected by the Contractor or the safety precautions and programs incident to the work of the Contractor. The CONSULTANT shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.

6. Existing Owner-provided security headend equipment and associated networks/infrastructure have the capacity to support all new devices being added.
7. Project is to be constructed by CMAR
8. Proposal includes all ACS at PBI Main Terminal, Building 846, Parking Revenue Building, New Aircraft Rescue and Fire Fighting Facility, airfield access gates, Building 1475, and DOA Node / Security Building between perimeter gate CPW and V27. All other facilities excluded.



Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) -Task I-25-PBI-A-047: PBI Access Control System (ACS) Upgrades

Task Description		Labor Estimate (Hours)									Fee Estimate (\$)		
		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Design Manager	Project Engineer	Clerical	Total	Labor	Expenses	Total	
Task 1-25-PBI-A-047: PBI Access Control System (ACS) Upgrades													
1.0	Development of Construction Documents	Total	0	12	40	0	107	99	28	286	\$ 50,499.00	\$ -	\$ 50,499.00
	Field Investigations						4	8		12	\$ 1,828		\$ 1,828
	Review of As-Built Documents/Conditions						4	4		8	\$ 1,316		\$ 1,316
	Project Management				16		8		24	48	\$8,232		\$8,232
	Project Meetings				16		4	4		24	\$5,636		\$5,636
	Cost Estimating (60%, 90% and 100%)						75	75		150	\$24,675		\$24,675
	Development of Construction Documents (60%, 90% and 100%)			12			4		2	18	\$3,828		\$3,828
	Submission of Construction Documents (60%, 90% and 100%)				8		8	8	2	26	\$4,984		\$4,984
2.0	Bid and Award Services	Total	0	0	22	0	34	0	4	60	\$ 13,158.00	\$ -	\$ 13,158.00
	Permit and Bid Submittal				8		8			16	\$3,768		\$3,768
	Permitting/Bidding Inquiries and Clarifications				8		8			16	\$3,768		\$3,768
	GMP Review and Recommendation				6		12			18	\$4,032		\$4,032
	Conformed Documents						6		4	10	\$1,590		\$1,590
Total Fee - AECOM Technical Services, Inc.			0	12	62	0	141	99	32	346	\$63,657	0	\$63,657
Subconsultant Fees Task 1.0													
1	RS&H	LS	\$ 299,992.40										
		Expenses	\$ 3,225.00										
2	QEE	LS	\$ 34,705.00										
		Expenses											
3	B&P	T&M	\$ 25,594.00										
		Expenses											
Total Fee - Subconsultants		\$	363,516.40										
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES													
		\$	427,173.40										

Prepared by: AECOM Technical Services, Inc.

# **Access Control System (ACS) Upgrades Scope of Work**

Version 2.0

July 15, 2025

Palm Beach County (PBC) Department of Airports (DOA)  
West Palm Beach, FL

DOA Task Authorization No. TBD

AECOM Project No.: TBD

RS&H Project No.: TBD

Prepared by RS&H, Inc. for  
AECOM at the direction of  
PBC DOA



## I PROJECT DESCRIPTION

PBC DOA has requested that RS&H (Consultant) under the AECOM (Prime Consultant) Continuing Service Agreement, dated May 20, 2019, provide a scope and fee for construction documents to provide upgrades to the existing Access Control System (ACS) at Palm Beach International Airport and to provide ACS/video surveillance cameras at Cargo Building 1475 (Project).

The following RS&H professional disciplines are expected to play a significant role in the development of the Project:

- » RS&H Project Management
- » Architecture / Life Safety
  - Misc Support
  - Door / Door Frames / Door Hardware
- » Structural Engineering
  - Wind Loads
- » Low Voltage Systems
  - Security (Access Control, Video Surveillance, Intrusion Detection)

The following professional disciplines are also expected to play a significant role in the development of the Project:

- » Electrical Engineering (by others)
- » Fire Alarm Engineering (by others)
- » Cost Estimating (by others)
- » Subsurface Utility Investigation (by others)
- » Survey (by others)

### Access Control Upgrades SOW

On December 1, 2023, the Consultant submitted an Access Control System assessment report that provided recommendations and itemized construction costs associated with each recommendation for replacement of the existing ACS. This scope is to establish services to assure a properly coordinated design for construction of the Project. The scope for the work under this agreement shall include the following required elements:

- Replace the existing *Continuum* ACS (made by Schneider Electric) with Genetec's "Synergis" ACS as part of the existing *Security Center* unified platform currently in use at

PBI, including software, licenses, and support for existing servers and workstations and integrate with the existing Genetec video management system (VMS).

- Replace existing intelligent field controllers with Genetec model LP1502 and MR52-S3 controllers. Coordinate modifications to the existing electrical distribution system to support the replacement of the intelligent field controllers with the electrical consultant.
- Replace existing card readers with new technology HID Signo readers.
- Replace existing *Continuum* PIM, PIM 2 Automation and Badge Manager, along with the Epi Suite software with Genetec's "Airport Badging System (ABS)".
- Make provisions for the Contractor to rebuild the existing cardholder database.
- Include three (3) new badge printers, two (2) new digital cameras, two (2) new fingerprint scanners, and a document scanner at the Badging Office.
- Owner to upgrade existing camera firmware to be compatible with the new ACS.

#### Building 1475 SOW

Gate Gourmet, an airport tenant, did operate out of Building 1169; however, Building 1169 was demolished in 2024. The Airport at that time wished to relocate Gate Gourmet to Cargo Building 1475.

Project Summary of scope also includes:

- » Access control of (3) new man doors, doorframes, and door hardware at the following locations (Figure 3):
  - Man door Landside to UPS tenant space
  - Man door Airside to future Gate Gourmet tenant space
  - Man door into electrical room on north end of the building
- » Sensor on Roof Hatch to notify Comm Center when Hatch is opened.
- » Connect existing fire alarm system to DOA network (by others).
- » (2) new security cameras on southend of building under canopies on airside and landside (Airside location varies from location shown in Figure 3).
- » New access control and video surveillance equipment in racks in Building 1475 new Gate Gourmet tenant space. Conduit between the main electrical room, Gate Gourmet space, and on to door/camera locations.
- » Provisions for fiber optic connectivity from Building 1475 into the Airports backbone network (existing patch panel) at Long Term Parking Revenue Control Booth. Fiber will be installed ISS but designed / sized by the project.



Site Gates V3, CPE2 & Pump House SOW

Existing fiber currently feeds site gates V3 & CPE2. The East Pump House is also served by fiber from gate CPE2; however, the existing fiber is damaged. This project includes design to remove existing fiber / innerduct and provide new fiber / innerduct in existing duct bank to provide connectivity.



FIGURE 1: BLDG 1169



FIGURE 2: PROPOSED FIBER PATH



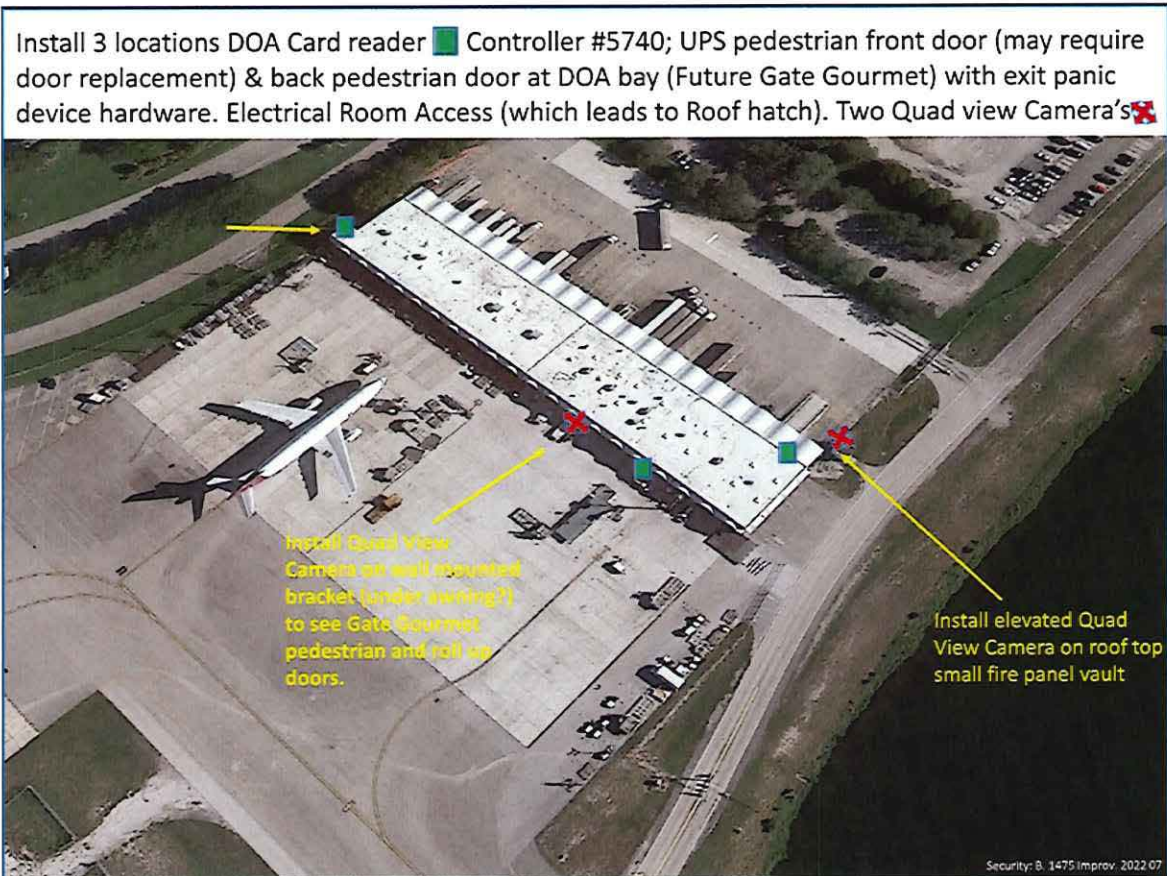


FIGURE 3: BLDG 1475 PROPOSED CARD READER AND CAMERA LOCATIONS

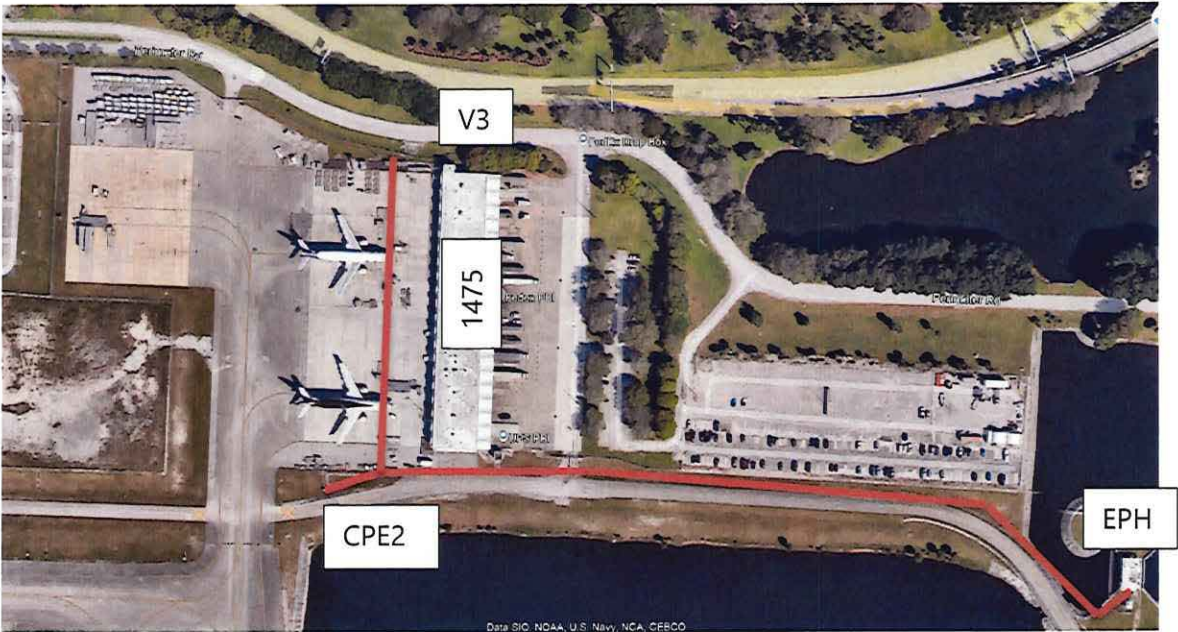


FIGURE 4: SITE GATE AND EAST PUMP HOUSE (EXISTING)

**Funding Expectations** – The Project’s total budgeted cost is estimated to be approximately \$2,500,000. The actual cost may vary significantly as the Project design progresses and the scope is further developed. Changes to the project cost may require changes in the Consultant’s efforts and require adjustments to the compensation indicated in this proposal.

**Project Duration** – 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.

## II PROJECT TASKS

### TASK 1 EXISTING CONDITION DOCUMENTATION

The intent of this task is to develop the baseline documentation necessary to properly establish, design, model, and document the Project. Specific task breakdowns as follows:

#### Task 1.1 Project Kick-Off

Consultant will facilitate a single kickoff meeting at the Airport, attended by members of the Airport staff that are well versed on this project and able to provide the necessary information to the team. The meeting is assumed to be within ten (10) working days of receipt of NTP.

The workshop will define, among others:

- » Project goals and client expectations
- » Describe the methods by which the project will be performed
  - Design standards
  - Naming conventions
- » Discuss budget and funding
- » Phasing considerations
- » Discuss other ongoing work that may impact the Project
- » Discuss design schedule
- » Start to develop the construction schedule

The following individuals will be present from the Consultant team:

- » RS&H Project Manager / Low Voltage Engineer Lead / Project Architect

The following individuals will be present remotely from the Consultant team:

- » Low Voltage Engineer



## Task 1.2 Data Collection and Review of As-Built Conditions

### Task 1.2.1 Review of As-Built Conditions

The Airport will provide the Consultant with all available information pertinent to the design. It is anticipated that the following information will be provided for review:

- » Existing Building 1475 documentation

The Consultant will review all the information provided and will forward any questions or comments to the Airport for response and additional information. This review will inform the focus of the on-site walkthrough of Task 1.3. Consultant assumes record documents will be provided to Consultant within five (5) working days of NTP.

### Task 1.2.2 Data Collection

The Prime Consultant (via other Subconsultant) will locate subsurface utilities and provide elevations at any crossing for the proposed fiber optic pathway.

### Task 1.2.3 Data Collection

The Prime Consultant (via other Subconsultant) will provide a topo survey along the proposed fiber optic pathway and provide elevations of existing pipe inverts crossing the proposed path along with locating (survey) for the utilities identified by Task 1.2.2.

## Task 1.3 On-Site Walkthrough

Consultant will conduct an in-person walkthrough for all visible and readily accessible areas to be included as part of this project. Knowledgeable Airport staff will attend and provide access to all areas associated with the Project to ensure a comprehensive walkthrough. The walkthrough will use the data received in Task 1.2 as the basis for the verification of existing documentation to the extent possible. The On-Site Walkthrough will be completed at the same time as Task 1.1. The proposal includes time for five (5) days which includes travel time.

The following disciplines/individuals will be present from the Consultant team:

- » RS&H Project Manager / Low Voltage Engineer Lead
- » Project Architect
- » Electrical Engineer (by others)

Schedule assumes Task 1.3 will start on same day as Task 1.1.

## Task 1.4 Project Management

Consultant will oversee scheduling, resource allocation, monitoring, oversight, direction, invoicing, and control for all aspects of the Consultant's efforts including assembly and coordination of all documentation.



## TASK 2 PHASE 3A: 60% CONSTRUCTION DOCUMENTS

Performance of this Task will establish the scope through plans, elevations, details, and specifications. Specific task breakdowns are as follows:

### Task 2.1 60% Construction Documents Preparation

Consultant shall prepare drawings, technical specifications, and design report necessary to effectively identify, evaluate, and resolve specific elements of the project for a technically sound and economically complete project. Task 2.1 assumed to start at same time as Task 1.3.

#### Task 2.1.1 Architectural and Life Safety Construction Documents

Design effort for documentation of architectural elements of the project for man door elevations and details. All life safety considerations will be completed at this stage.

#### Task 2.1.2 Structural Construction Documents

Design effort includes General Notes and Design Criteria included wind loading for door replacements.

#### Task 2.1.3 Security Design Development

Design development level documentation of security, communication, and premise distribution systems.

### Task 2.2 Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs

Consultant will produce a preliminary engineer's opinion of probable construction costs of the Access Control Upgrades SOW to the Cost Estimator based on the level of completion to include in the final cost estimate to be provided to the Owner by others.

In providing estimates of probable construction cost, the Prime Consultant and Airport shall understand that the Consultant has no control over the cost or availability of labor, equipment, or materials, or over market conditions or a contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made based on the Consultant's professional judgement and experience. The Consultant makes no warranty, expressed or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.

Consultant will review a draft estimate developed by others based on the level of completion and provide comments to Prime Consultant / Estimator. Comments will be provided within ten (10) working days of receipt of draft estimate. ROM task assumed to start upon deliverable of Task 2.5 to AECOM and ROM development period to be (10) working days.

**Task 2.3 Design Coordination Meetings**

Consultant shall facilitate coordination meetings with the Prime Consultant / Airport / Stakeholders (remotely via Teams or other virtual program) during this stage of document preparation. Two (2) meetings are expected and used as the basis of scope and fee preparation.

Attendees at those meetings will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect

The intent of the meetings will be to resolve any issues impeding the furthering of the construction documents.

**Task 2.4 Quality Control Review**

Consultant shall conduct internal quality control reviews of this construction document stage submittal. The review shall cover the design plans and technical specifications prior to submittal to the Prime Consultant.

- » Independent Technical Peer Review – A Consultant’s Engineer not actively involved in the Project will review the documents for alignment with design methodologies, calculations, and code compliance.

**Task 2.5 Submittal**

Consultant will prepare and submit to the Prime Consultant the following electronic files:

- » Drawings (.pdf)
- » Specifications (.pdf)
- » Engineer’s Report (.pdf)
- » AutoCAD (.dwg)

**Task 2.6 CMAR Constructability Report Review**

Consultant shall review and respond to all Construction Manager at Risk (CMAR) comments received regarding the 60% CD submittal. Written responses to the comments will be provided as part of Task 3.1 on how each comment will be incorporated or why it is not applicable. Schedule assumed twenty (20) working days to develop report by CMAR.

**Task 2.7 60% Construction Document**

Consultant shall facilitate one (1) remote meeting to review 60% CD submittal within ten (10) working days of Task 2.5. Within ten (10) working days of the meeting, the Airport will provide any additional written comments to the Consultant that may affect the direction of the project.

Attendees at meeting will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect



**Task 2.8 Project Management**

Consultant will oversee scheduling, resource allocation, monitoring, oversight, direction, and control for all aspects of the Consultant's efforts including assembly and coordination of all documentation.

**TASK 3 PHASE 3B: 90% CONSTRUCTION DOCUMENTS**

The 90% Construction Documents Phase will be based on the approved Phase 3B: 60% Construction Documents. The following elements further define the proposed scope of work in the construction document phase. The documents will include Drawings, Specifications, and Engineer's Report 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:

**Task 3.1 Prior Phase Drawing / Comment Incorporation**

Consultant shall review all written comments received from the Airport generated from the 60% Construction Document review meeting. The Consultant will incorporate applicable comments from the 60% CD review meeting and the 60% CD CMAR constructability report into plans and specifications during this construction document phase. Consultant will provide written responses to all written comments.

**Task 3.2 90% Construction Documentation Preparation**

Consultant shall prepare drawings, technical specifications, calculations, and updated design report as necessary to effectively identify, evaluate, and resolve specific elements of the project for a technically sound and economically complete project. Included will be documentation relative to the following disciplines:

**Task 3.2.1 Security Construction Documents**

Design and final documentation of security system, communication, and premise distribution systems.

**Task 3.3 Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs**

Consultant will produce a preliminary engineer's opinion of probable construction costs of the Access Control Upgrades SOW to the Cost Estimator based on the level of completion to include in the final cost estimate to be provided to the Owner by others.

In providing estimates of probable construction cost, the Prime Consultant and Airport shall understand that the Consultant has no control over the cost or availability of labor, equipment, or materials, or over market conditions or a contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made based on the Consultant's professional judgement and experience. The Consultant makes no warranty, expressed or

implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.

Consultant will review a draft estimate developed by others based on the level of completion and provide comments to Prime Consultant / Estimator. Comments will be provided within ten (10) working days of receipt of draft estimate. ROM task assumed to start upon deliverable of Task 2.5 to AECOM and ROM development period to be (10) working days.

#### **Task 3.4 Design Coordination Meetings / CMAR Constructability Report Review Meeting**

Consultant shall facilitate coordination meetings with the Prime Consultant / Airport / Stakeholders (remotely via Teams or other virtual program) during this stage of document preparation. Two (2) meetings are expected and used as the basis of scope and fee preparation.

Attendees at those meetings will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect

The intent of the meetings will be to resolve any issues impeding the furthering of the construction documents. One (1) of the meetings can be scheduled to review and discuss the CMAR constructability comments and proposed responses.

#### **Task 3.5 Quality Control Review**

Consultant shall conduct internal quality control reviews of this construction document stage submittal. The review shall cover the design plans, technical specifications, and design report prior to submittal to the Prime Consultant.

- » Independent Technical Peer Review – A Consultant's Engineer not actively involved in the Project will review the documents for alignment with design methodologies, calculations, and code compliance.

#### **Task 3.6 Submittal**

Consultant will prepare and submit the following electronic files to the Airport:

- » Drawings (.pdf)
- » Specifications (.pdf)
- » Engineer's Report (.pdf)
- » AutoCAD (.dwg)

#### **Task 3.7 CMAR Constructability Report Review**

Consultant shall review and respond to all CMAR comments received regarding the 90% CD submittal. A written report will be provided as part of Task 4.1 on how each comment will be incorporated or why it is not applicable. Schedule assumed twenty (20) working days to develop report by CMAR.



**Task 3.8 90% Construction Document**

Consultant shall facilitate one (1) remote meeting to review 90% CD submittal within ten (10) working days of receipt of CMAR constructability report. Within ten working days of the meeting, the Airport will provide any additional written comments to the Consultant that may affect the direction of the project.

Attendees at meeting will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect

**Task 3.9 Project Management**

Consultant will oversee scheduling, resource allocation, monitoring, oversight, direction, and control for all aspects of the Consultant's efforts including assembly and coordination of all documentation.

**TASK 4 PHASE 3C: 100% CONSTRUCTION DOCUMENTS**

The 100% Construction Documents Phase will be based on the approved 90% Construction Document Phase documents. Specific task breakdowns are as follows:

**Task 4.1 Prior Phase Drawing/Comment Incorporation**

Consultant shall review all written comments received from the Airport generated from the 90% Construction Document review meeting. The Consultant will incorporate applicable comments from the 90% CD review meeting and the 90% CD CMAR constructability report into plans and specifications during this construction document phase. Consultant will provide written responses to all written comments.

**Task 4.2 100% Construction Document Preparation**

Consultant shall prepare drawings, technical specifications and calculations as necessary to effectively identify, evaluate, and resolve specific elements of the project for a technically sound and economically complete project. Included will be documentation relative to the following disciplines:

- » Security, communication, and premise distribution systems.

**Task 4.3 Design Coordination Meetings / CMAR Constructability Report Review Meeting**

Consultant shall facilitate coordination meetings with the Prime Consultant / Airport / Stakeholders (remotely via Teams or other virtual program) during this stage of document preparation. One (1) meeting is expected and used as the basis of scope and fee preparation.

Attendees at those meetings will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect

The intent of the meetings will be to resolve any issues impeding the furthering of the construction documents. The meeting can be scheduled to review and discuss the CMAR constructability comments and proposed responses.

#### **Task 4.4 Quality Control Review**

Consultant shall conduct internal quality control reviews of this construction document stage submittal. The review shall cover the design plans and technical specifications prior to submittal to the Airport.

- » Independent Technical Peer Review – A Consultant’s Engineer not actively involved in the Project will review the documents for alignment with design methodologies, calculations, and code compliance.

#### **Task 4.5 Submittal**

Consultant will prepare and submit the following electronic files to the Airport:

- » Drawings (.pdf) – Not Signed and Sealed
- » Specifications (.pdf)
- » Engineer’s Report (.pdf)
- » AutoCAD (.dwg)

#### **Task 4.6 100% Construction Document Review Meeting**

Consultant shall facilitate one (1) remote meeting to review 100% CD submittal within ten (10) working days of submittal to Airport.

Attendees at meeting will include the Consultant team members

- » RS&H Project Manager / Low Voltage Engineer / Project Architect

#### **Task 4.7 Project Management**

Consultant will oversee scheduling, resource allocation, monitoring, oversight, direction, and control for all aspects of the Consultant’s efforts including assembly and coordination of all documentation.

### **TASK 5 PHASE 4: BIDDING AND AWARD SERVICES**

Following the completion of the construction document phase, these efforts will occur during the post design process and permitting.

#### **Task 5.1 Permitting and Bidding Submittal**

Consultant will prepare and provide electronic signed and sealed documents for permitting and bidding to the Prime Consultant to provide to the CMAR. Consultant will also provide AutoCAD files of S&S deliverable.

**Task 5.2    Permitting Inquiries and Clarifications**

Consultant will respond to questions, clarifications, and code considerations from permitting officials, and issue revised drawings as necessary.

**Task 5.3    Bidding Inquiries and Clarifications**

Consultant will respond to bidders’ questions from the CMAR to clarify the project.

**Task 5.4    CMAR GMP Review and Recommendation**

Consultant shall review the gross maximum price (GMP) and provide comment to the Prime Consultant to assist the Airport in the Recommendation of Award.

**Task 5.5    Conformed Document Preparation**

Consultant shall update the permit / bid documents to include all required modifications indicated during the bidding and permitting processes. This conformed set of documents will be provided to the Prime Consultant for distribution to DOA and the CMAR as the baseline for construction activities.

**Task 5.6    Project Management**

Consultant will oversee scheduling, resource allocation, monitoring, oversight, direction, and control for all aspects of the Consultant’s efforts including assembly and coordination of all documentation.

**III    MEETINGS AND PRESENTATIONS**

The following meetings and presentations will be attended as part of this proposal:

Task	Presentation / Meeting / Site Visit	Total Meetings	At Airport	Remote (Virtual)
1.1	Project Kick-Off Meeting	1	X	
1.3	On-Site Walkthrough	1	X	
2.3	60% Design Coordination Meetings	2		X
2.7	60% Review Meeting	1		X
3.4	90% Design Coordination Meetings	2		X
3.8	90% Review Meeting	1		X
4.3	100% Design Coordination meeting	1		X
4.6	100% Review meeting	1		X



IV DELIVERABLES

The following deliverables will be submitted as part of this proposal:

Task	Deliverable	Information Included	Format
2.5	60% CD Submittal	Drawings, Specs, AutoCAD files	pdf, dwg's
3.1	90% Design	Written responses	TBD
3.6	90% CD Submittal	Drawings, Specs, Dwg's	pdf, dwg's
4.1	100% Design	Written responses	TBD
4.5	100% CD Submittal	Drawings, Specs, Dwg's	pdf, dwg's
5.1	Permitting / Bid	Drawings, Specs, Dwg's	pdf, dwg's



V PROPOSED PROJECT SCHEDULE

The following schedule is subject to change based on NTP. NTP assumed to be 8/20/25.

Task Name	Start	Finish
Task 1.1 - Project Kickoff	Tue 9/2/25	Tue 9/2/25
Task 1.2 - Data Collection	Wed 8/27/25	Tue 9/5/25
Task 1.3 - On-Site Walkthrough	Wed 9/8/25	Fri 9/12/25
Phase 3A - 60% CD's		
Task 2.1 - Development Period	Wed 9/15/25	Tue 10/28/25
Task 2.1 – Architectural/Life Safety Survey	Wed 8/20/25	Tue 9/15/25
Task 2.1 – Subsurface Utility Evaluation (SUE)	Wed 8/20/25	Tue 9/15/25
Task 2.2 - ROM Development to Estimator	Thu 11/6/25	Wed 11/12/25
Task 2.2 - Draft Estimate by Others (Assumed)	Thu 11/13/25	Wed 11/26/25
Task 2.2 - Draft Estimate comments to Estimator	Thu 11/27/25	Mon 12/1/25
Task 2.2 - Final Estimate by Others (Assumed)	Tue 12/2/25	Wed 12/3/25
Task 2.4 - QA/QC	Wed 10/29/25	Tue 11/11/25
Task 2.5 - Submittal	Wed 11/12/25	Wed 11/12/25
Task 2.6 - CMAR Constructability Report	Thu 11/13/25	Wed 12/10/25
Task 2.7 - 60% CD Review Meeting	Thu 11/13/25	Wed 11/26/25
Task 2.7 - 60% CD DOA comments to AE	Thu 11/27/25	Wed 12/10/25
Phase 3B - 90% CD's		
Task 3.1 - Prior Phase Comments	Thu 12/11/25	Wed 12/24/25
Task 3.2 - Development Period	Thu 11/27/25	Wed 1/21/26
Task 3.3 - ROM Development to Estimator	Fri 1/23/26	Thu 2/5/26
Task 3.3 - Draft Estimate by Others (Assumed)	Fri 2/6/26	Thu 2/19/26
Task 3.3 - Draft Estimate comments to Estimator	Fri 2/20/26	Tue 2/24/26
Task 3.3 - Final Estimate by Others (Assumed)	Wed 2/25/26	Thu 2/26/26
Task 3.5 - QA/QC	Thu 1/22/26	Wed 2/4/26
Task 3.6 - Submittal	Thu 2/5/26	Thu 2/5/26
Task 3.7 - CMAR Constructability Report	Fri 2/6/26	Thu 3/5/26
Task 3.8 - 90% CD Review Meeting	Fri 2/6/26	Thu 2/19/26
Task 3.8 - 90% CD DOA comments to AE	Fri 2/20/26	Thu 3/5/26
Phase 3C - 100% CD's		
Task 4.1 - Prior Phase Comments	Fri 3/6/26	Thu 3/19/26
Task 4.2 - Development Period	Fri 3/6/26	Thu 4/2/26
Task 4.3 - QA/QC	Fri 4/3/26	Thu 4/16/26
Task 4.4 - Submittal	Fri 4/17/26	Fri 4/17/26
Task 4.5 - 100% CD Review Meeting	Mon 4/20/26	Fri 5/1/26
Phase 4 - Bidding & Award		
Drawings released to CMAR for Bidding / Permitting	Mon 5/18/26	Mon 5/18/26

## VI ASSUMPTIONS AND EXCLUSIONS

The following assumptions have been made for this Scope of Work:

- » CAD is acceptable by Prime Consultant and Airport
- » The following disciplines / services / specialties would either be provided by Prime Consultant or Prime Consultant would contract with third party sub-consultant.
  - Electrical Engineering
    - Electrical Design for Power and Duct Bank Locations
    - Fire Alarm Design
  - Cost Estimating
  - Survey
  - Subsurface Utility Investigation
- » Existing Owner-provided security headend equipment and associated networks/infrastructure have the capacity to support all new devices being added.
- » No major design revisions after the 90% submission.
- » CMAR delivery method
- » Consultant will develop meeting agendas and minutes.
- » Prime Consultant will provide submittals to the Airport.
- » Proposal includes all ACS at PBI Main Terminal, Building 846, Parking Revenue Building, New Aircraft Rescue and Fire Fighting (ARFF) Facility, airfield access gates, Building 1475, and DOA Node / Security Building between perimeter gate CPW and V27. All other facilities excluded.
- » Schedule includes assumed time for CMAR constructability review at the 60% CD and 90% CD phase. Schedule to be adjusted upon confirmation of time by CMAR.

The following items are excluded from this Scope of Work unless otherwise noted:

- » Revit / BIM modeling of Airport facilities.
- » Hard copies / Printing of deliverables
- » Disciplines / Services / Specialties included in Assumptions above
- » Phase 1A: Planning and Programming
- » Phase 1B: Conceptual Design
- » Phase 2: Schematic Design (30% Construction Documents)
- » Phase 5: Construction Administration Services.

VII PROFESSIONAL SERVICES FEE AND FEE TYPE

RS&H will provide the above referenced services for a Fixed Lump Sum Fee of **\$303,217.40**. See Attachment for a breakdown of costs.

# Access Control System (ACS) Upgrades

<u>Task</u>	<u>Description</u>	<u>Hours</u>	<u>Fee</u>
Task 1	Existing Condition Documentation	145	\$32,410.17
Task 2	Phase 3A: 60% Construction Documents	682	\$111,863.33
Task 3	Phase 3B: 90% Construction Documents	349	\$68,656.90
Task 4	Phase 3C: 100% Construction Documents	228	\$44,233.29
Task 5	Phase 4: Bidding and Award Services	223	\$42,828.71
		<b>Subtotal RS&amp;H Labor Hours</b>	<b>1,627</b>
		<b>Subtotal RS&amp;H Labor Fee</b>	<b>\$299,992.40</b>
<u>Expenses</u>			
	Other		\$3,225.00
		<b>Subtotal Expenses</b>	<b>\$3,225.00</b>
		<b>Total Project Fee</b>	<b>\$303,217.40</b>



Access Control System (ACS) Upgrades

		HOURS								HOURS	TOTAL COST (\$)
		Principal	Sr. Project Manager	Senior Architect	Intern Architect	Senior Engineer	Engineer	Intern Engineer	Administrative Assistant		
		\$266.79	\$300.80	\$257.17	\$88.25	\$258.47	\$168.83	\$101.11	\$63.27		
	Equipment & Materials										
Task 1	Existing Condition Documentation										
1.1	Project Kick Off									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			1						1	\$257.17
	IT					3	3			6	\$1,251.90
1.2	Data Collection and Review of As-Built Conditions									-	\$0.00
	Architecture			1	6					7	\$792.67
	IT					6	10			16	\$3,139.12
1.3	On-Site Walkthrough									-	\$0.00
	Architecture			5						5	\$1,285.85
	IT					59	13			72	\$17,314.52
1.4	Project Management									-	\$0.00
	PM	4	15						14	33	\$6,864.94
	Task Total	4	20	7	6	68	26	-	14	145	\$32,410.17
Task 2	Phase 3A: 60% Construction Documents										
2.1	60% Construction Document Preparation									-	\$0.00
2.1.1	Architectural Design Development									-	\$0.00
	PM		30							30	\$9,024.00
	Architecture				123					123	\$10,977.75
	BIM						31			31	\$4,923.73
2.1.2	Structural Design Development									-	\$0.00
	Structural					2		8		10	\$1,325.82
2.1.3	Low Voltage / Security Design Development									-	\$0.00
	IT					47	132	118		297	\$45,044.63
2.2	Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs									-	\$0.00
	Architecture			1						1	\$257.17
	IT					12	26			38	\$7,231.22
2.3	Design Coordination Meetings (2 virtual)									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			1						1	\$257.17
	IT					6	7			13	\$2,662.63
2.4	Quality Control Review									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			2	3					5	\$782.09
	Structural					1		1		2	\$359.58
	Fire Protection					1				1	\$258.47
	Electrical					1				1	\$258.47
	IT					6	13			19	\$3,615.61
2.5	Submittal									-	\$0.00
	PM		3							3	\$902.40
	Architecture			6						6	\$1,543.02
	Structural					1		1		2	\$359.58
	IT					3	10	3		16	\$2,667.04
2.6	CMAR Constructibility Report Review									-	\$0.00
	PM		3							3	\$902.40
	Architecture			1						1	\$257.17
	IT					3	7	3		13	\$2,190.55
2.7	60% CD / CMAR Report Review Meeting									-	\$0.00
	PM		3							3	\$902.40
	Architecture			1						1	\$257.17
	IT					3	3			6	\$1,251.90
2.8	Project Management									-	\$0.00
	PM	2	30						14	46	\$10,643.36
	Task Total	2	79	12	126	86	229	134	14	682	\$111,863.33
Task 3	Phase 3B: 90% Construction Documents										
3.1	Prior Phase Drawing / Comment Incorporation									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			3						3	\$771.51
	Structural					1				1	\$258.47
	IT					12	39			51	\$9,296.01
3.2	90% Construction Document Preparation									-	\$0.00
	Architecture		1		2					3	\$479.30
	Structural					2		2		4	\$719.16
	IT					29	66	24		119	\$20,405.05
3.3	Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs									-	\$0.00
	Architecture			1						1	\$257.17
	IT					3	7			10	\$1,887.22
3.4	Design Coordination Meetings (2 virtual)									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			1						1	\$257.17
	IT					6	7			13	\$2,662.63
3.5	Quality Control Review									-	\$0.00
	PM		5							5	\$1,504.00
	Architecture			2	3					5	\$782.09
	Structural					1		1		2	\$359.58
	Fire Protection					1				1	\$258.47
	Electrical					1				1	\$258.47
	IT					6	13			19	\$3,615.61
3.6	Submittal									-	\$0.00
	PM		3							3	\$902.40
	Architecture			6						6	\$1,543.02
	Structural					1		1		2	\$359.58
	IT					3	10	3		16	\$2,667.04
3.7	CMAR Constructibility Report Review									-	\$0.00
	PM		3							3	\$902.40
	Architecture			1						1	\$257.17
	IT					3	7	3		13	\$2,190.55
3.8	90% CD / CMAR Report Review Meeting									-	\$0.00
	PM		3							3	\$902.40
	Architecture			1						1	\$257.17
	IT					3	3			6	\$1,251.90
3.9	Project Management									-	\$0.00
	PM	2	30						14	46	\$10,643.36
	Task Total	2	55	15	5	72	152	34	14	349	\$68,856.90

Access Control System (ACS) Upgrades

		HOURS								HOURS	TOTAL COST	
		Principal	Sr. Project Manager	Senior Architect	Intern Architect	Senior Engineer	Engineer	Intern Engineer	Administrative Assistant			
		\$368.79	\$260.80	\$257.17	\$89.25	\$258.47	\$156.63	\$101.11	\$63.27		(\$)	
Task 4		Phase 3C: 100% Construction Documents										
4.1	Prior Phase Drawing / Comment Incorporation									-	\$0.00	
	PM		1							1	\$300.80	
	Architecture			1						1	\$257.17	
	Structural					1				1	\$258.47	
	IT					6	26			32	\$5,680.40	
4.2	100% Construction Document Preparation									-	\$0.00	
	Architecture			3	3					6	\$1,039.26	
	Structural					1		1		2	\$359.58	
	IT					9	39	18		66	\$10,340.58	
4.3	Design Coordination Meetings (1 virtual)									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1						1	\$257.17	
	IT					3	3			6	\$1,251.90	
4.4	Quality Control Review									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1	2					3	\$435.67	
	Structural					1		1		2	\$359.58	
	Fire Protection					1				1	\$258.47	
	Electrical					1				1	\$258.47	
	IT					6	13			19	\$3,615.61	
4.5	Submittal									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			3						3	\$771.51	
	Structural					1		1		2	\$359.58	
	IT					3	10	3		16	\$2,667.04	
4.6	100% Construction Document Review Meeting									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1						1	\$257.17	
	IT					3	3			6	\$1,251.90	
4.7	Project Management									-	\$0.00	
	PM	2	30						14	46	\$10,643.36	
Task Total		2	43	10	5	36	94	24	14	228	\$44,233.29	
Task 5		Phase 4: Bidding and Award Services										
5.1	Permitting and Bidding Submittal									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1	2					3	\$435.67	
	Structural					1		1		2	\$359.58	
	IT					3	13			16	\$2,840.20	
5.2	Permitting Inquires and Clarifications									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1		1				2	\$515.64	
	Civil/Airfield					1				1	\$258.47	
	IT					23	39			62	\$12,139.18	
5.3	Bidding Inquiries and Clarifications									-	\$0.00	
	PM		3							3	\$902.40	
	Architecture			1		1				2	\$515.64	
	Structural					1				1	\$258.47	
	IT					6	13			19	\$3,615.61	
5.4	CMAR GMP Review and Recommendation									-	\$0.00	
	PM		5							5	\$1,504.00	
	Architecture			1						1	\$257.17	
	IT					3	7			10	\$1,887.22	
5.5	Conformed Documents									-	\$0.00	
	Architecture			1	2					3	\$435.67	
	IT					3	7			10	\$1,887.22	
5.6	Project Management									-	\$0.00	
	PM	4	30						43	77	\$13,211.77	
Task Total		4	44	5	4	43	79	1	43	223	\$42,828.71	
TOTAL FOR ALL TASKS (RS&H)		14	241	49	146	305	580	193	99	1,627	\$ 299,992.40	

Project Name

EXPENSES										
TRAVEL					Airfare	Car	Lodging	Per Diem	Pkg	
Task	Description	# Trips	# People	# Days	\$600	\$80	\$200	\$45	\$40	
1.1	Project Kick Off	1	1	5	\$600	\$400	\$800	\$225	\$200	\$2,225.00
SUBTOTAL TRAVEL										\$2,225.00
OTHER EXPENSES										
	Others				\$1,000					\$1,000.00
SUBTOTAL OTHER EXPENSES										\$1,000.00
TOTAL EXPENSES										\$3,225.00



July 2, 2025

AECOM Technical Services, Inc.  
Mr. Andy Kacer P.E.  
Southeast Aviation Manager  
7650 West Courtney Campbell Causeway  
Tampa, FL 33607

Subject: Electrical Engineering Design Services Fee Proposal for the Palm Beach County Department of Airports - Palm Beach International Airport Access Control Upgrades as reflected in the Access Control Upgrades Scope of Work, dated May 14, 2025.

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical engineering design services fee proposal for the PBIA Access Control Upgrades as reflected in the Access Control Upgrades Scope of Work, dated May 14, 2025. The electrical scope is based on the 2023 PBI Access Control Systems Upgrades Assessment Report. The following tasks are included in our scope:

Scope of Work

- Includes design coordination meetings with the DOA, CMAR and AECOM Design Team.
- Includes on-site verifications of all impacted electrical systems within the project area.
- Design new electrical distribution systems for the replacement of intelligent controllers (designed by RS&H) installed as part of this project scope. Includes electrical one-lines/risers, schedules, plan layouts, details, and electrical calculations.
- Includes design of new ductbank system to connect the existing DOA ductbanks containing the DOA's fiber optic network with the Cargo Building 1475. Includes plan layouts, electrical details and riser diagrams.
- Design modifications to the existing Cargo Building 1475 fire alarm system for connection to the PBIA Communications Center via the new fiber optic system. Includes coordination with the existing PBIA fire alarm vendor, fire alarm plan layouts, details and riser diagrams.

**Task 1: Existing Condition Documentation**

Task 1.1: Project Kick-Off

- Includes design kick-off meeting with the DOA and AECOM Design Team. Assume one (1) on-site meeting.

Task 1.2: Data Collection and Review of As-Built Conditions

- Includes review of record drawings/as-built plans pertaining to existing electrical systems of the impacted area.

Task 1.3: On-Site Walkthrough

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

- Includes on-site verifications and discovery of existing electrical systems and collection of relevant data.

Task 1.4: Project Management

- Excluded from Quantum scope.

**Task 2 Phase 3A: 60% Construction Documents**

Task 2.1: 60% Construction Document Preparation

- Includes providing 60% design level electrical information reflecting required one-line diagrams, riser diagrams, schedules, details and plan layouts for design & specification.
- Includes 60% design level electrical calculations.
- Coordination with the AECOM Team on the electrical requirement of other disciplines.

Task 2.2: Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs

- Include review of 60% Electrical Probable Construction Cost and provide comments to AECOM Team.

Task 2.3: Design Coordination Meetings

- Includes up to two (2) virtual design coordination meetings with the DOA and AECOM Design Team.

Task 2.4: Quality Control Review

- Includes responses to QC comments for incorporation into final 100% submittal.
- Includes interdisciplinary review to ensure coordination of elements between disciplines.

Task 2.5: Submittal

- Prepare and submit electronic pdf plans and specifications to AECOM.

Task 2.6: CMAR Constructability Report Review

- Include review of CMAR constructability report and estimate.
- Includes responses to CMAR constructability comments.

Task 2.7: 60% Construction Document/CMAR Constructability Review Meeting

- Includes attending one (1) virtual design review meeting with DOA, CMAR and AECOM Team.

Task 2.8: Project Management

- Excluded from Quantum scope.

**Task 3 Phase 3B: 90% Construction Documents**

Task 3.1: Prior Phase Drawing/Comment Incorporation

- Includes incorporation of all 60% Design related comments into 90% Construction Documents.
- Includes responses to review comments generated by the DOA, CMAR, and AECOM Team.

Task 3.2: 90% Construction Document Preparation

- Includes providing 90% design level electrical information reflecting required one-line diagrams, riser diagrams, schedules, details and plan layouts for design & specification.
- Includes 90% design level electrical calculations.
- Coordination with the AECOM Team on the electrical requirement of other disciplines.



Task 3.3: Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs

- Include review of 90% Electrical Probable Construction Cost and provide comments to AECOM Team.

Task 3.4: Design Coordination Meetings

- Includes up to two (2) virtual design coordination meetings with the DOA and AECOM Design Team.

Task 3.5: Quality Control Review

- Includes responses to QC comments for incorporation into final 100% submittal.
- Includes interdisciplinary review to ensure coordination of elements between disciplines.

Task 3.6: Submittal

- Prepare and submit electronic pdf plans and specifications to AECOM.

Task 3.7: CMAR Constructability Report Review

- Include review of CMAR constructability report and estimate.
- Includes responses to CMAR constructability comments.

Task 3.8: 90% Construction Document/CMAR Constructability Review Meeting

- Includes attending one (1) virtual design review meeting with DOA, CMAR and AECOM Team.

Task 3.9: Project Management

- Excluded from Quantum scope.

**Task 4 Phase 3C: 100% Construction Documents**

Task 4.1: Prior Phase Drawing/Comment Incorporation

- Includes incorporation of all 90% Design related comments into 100% Construction Documents.
- Includes responses to review comments generated by the DOA, CMAR, and AECOM Team.

Task 4.2: 100% Construction Document Preparation

- Includes providing 100% design level electrical information reflecting required one-line diagrams, riser diagrams, schedules, details and plan layouts for design & specification.
- Includes 100% design level electrical calculations.
- Coordination with the AECOM Team on the electrical requirement of other disciplines.

Task 4.3: Design Coordination Meetings

- Includes up to two (2) virtual design coordination meetings with the DOA and AECOM Design Team.

Task 4.4: Quality Control Review

- Includes responses to QC comments for incorporation into final 100% submittal.
- Includes interdisciplinary review to ensure coordination of elements between disciplines.

Task 4.5: Submittal

- Prepare and submit electronic pdf plans and specifications to AECOM.

Task 4.6: 100% Construction Document Review Meeting

- Includes attending one (1) virtual design review meeting with DOA, CMAR and AECOM Team.

Task 4.7: Project Management

- Excluded from Quantum scope.



**Task 5 Phase 4: Bidding and Award Services**

Task 5.1: Permitting and Bidding Submittal

- Includes incorporation of all 100% related comments from the DOA, CMAR and AECOM Design Team into Bid / Permit Documents.
- Includes signing and sealing drawings and specifications.

Task 5.2: Permitting Inquiries and Clarifications

- Review permit comments and provide responses and plan revisions as necessary.

Task 5.3: Bidding Inquiries and Clarifications

- RFI and Addendum Responses

Task 5.4: CMAR GMP Review and Recommendation

- Review of CMAR GMP proposal and electrical pricing results and provide comments to AECOM Team.

Task 5.5: Conformed Document Preparation

- Includes incorporation of all issued documentation under Tasks 5.2 and 5.3 into Conformed Documents to be used for construction.

Task 5.6: Project Management

- Excluded from Quantum scope.

**Exclusions and Assumptions**

- AECOM shall provide all base drawings to Quantum in AutoCAD 2024 or higher.
- All access control systems to be designed by others. AECOM shall provide to Quantum the electrical requirements for these systems.
- AECOM shall provide all printing of plans & specifications for 60%, 90% and 100 reviews, bid, permits and construction phases.
- Does not include coordination study or arc flash analysis (to be included in construction services).
- Does not include construction services.

Our proposed Lump Sum Fee for Task 1 is:	\$ 2,250.00
Our proposed Lump Sum Fee for Task 2 is:	\$ 13,645.00
Our proposed Lump Sum Fee for Task 3 is:	\$ 10,245.00
Our proposed Lump Sum Fee for Task 4 is:	\$ 6,555.00
Our proposed Lump Sum Fee for Task 5 is:	\$ 2,010.00
<b>Our proposed total Lump-Sum fee is:</b>	<b>\$ 34,705.00</b>
(See Attachment for Breakdown)	

Sincerely,



Amy Champagne-Baker, PE  
President

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - PBIA ACCESS CONTROL UPGRADES QUANTUM ELECTRICAL ENGINEERING, INC. SCOPE FEE SUMMARY FEE PROPOSAL ELECTRICAL DESIGN TO AE 07/02/25									
	Rate	\$170.00	\$150.00	\$145.00	\$85.00	\$140.00	\$50.00		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total	Expenses	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours		TASK COST
<b>Task 1: Existing Condition Documentation</b>									
Task 1.1: Project Kick-Off		1					1		\$150.00
Task 1.2: Data Collection and Review of As-Built Conditions		2					2		\$300.00
Task 1.3: On-Site Walkthrough		12					12		\$1,800.00
Task 1.4: Project Management							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>		<b>\$2,250.00</b>
<b>Task 2 Phase 3A: 60% Construction Documents</b>									
Task 2.1: 60% Construction Document Preparation		24	32	40		2	98		\$11,740.00
Task 2.2: Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs		2					2		\$300.00
Task 2.3: Design Coordination Meetings		2					2		\$300.00
Task 2.4: Quality Control Review		2		2		1	5		\$520.00
Task 2.5: Submittal		1		1		1	3		\$285.00
Task 2.6: CMAR Constructability Report Review		2				1	3		\$350.00
Task 2.7: 60% Construction Document/CMAR Constructability Review Meeting		1					1		\$150.00
Task 2.8: Project Management							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>34</b>	<b>32</b>	<b>43</b>	<b>0</b>	<b>5</b>	<b>114</b>		<b>\$13,645.00</b>
<b>Task 3 Phase 3B: 90% Construction Documents</b>									
Task 3.1: Prior Phase Drawing/Comment Incorporation		2		2			4		\$470.00
Task 3.2: 90% Construction Document Preparation		16	24	24		2	66		\$8,020.00
Task 3.3: Rough Order of Magnitude (ROM) Opinion of Probable Construction Costs		2					2		\$300.00
Task 3.4: Design Coordination Meetings		2					2		\$300.00
Task 3.5: Quality Control Review		2		2		1	5		\$520.00
Task 3.6: Submittal		1		1		1	3		\$285.00
Task 3.7: CMAR Constructability Report Review		1				1	2		\$200.00
Task 3.8: 90% Construction Document/CMAR Constructability Review Meeting		1					1		\$150.00
Task 3.9: Project Management							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>27</b>	<b>24</b>	<b>29</b>	<b>0</b>	<b>5</b>	<b>85</b>		<b>\$10,245.00</b>
<b>Task 4 Phase 3C: 100% Construction Documents</b>									
Task 4.1: Prior Phase Drawing/Comment Incorporation		2		2			4		\$470.00
Task 4.2: 100% Construction Document Preparation		8	16	16		2	42		\$4,980.00
Task 4.3: Design Coordination Meetings		2					2		\$300.00
Task 4.4: Quality Control Review		1		2		1	4		\$370.00
Task 4.5: Submittal		1		1		1	3		\$285.00
Task 4.6: 100% Construction Document Review Meeting		1					1		\$150.00
Task 4.7: Project Management							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>15</b>	<b>16</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>56</b>		<b>\$6,555.00</b>
<b>Task 5 Phase 4: Bidding and Award Services</b>									
Task 5.1: Permitting and Bidding Submittal		2		2			4		\$470.00
Task 5.2: Permitting Inquiries and Clarifications		4		2			6		\$770.00
Task 5.3: Bidding Inquiries and Clarifications		2		1			3		\$385.00
Task 5.4: CMAR GMP Review and Recommendation		1					1		\$150.00
Task 5.5: Conformed Document Preparation		1		1			2		\$235.00
Task 5.6: Project Management							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>16</b>		<b>\$2,010.00</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>101</b>	<b>72</b>	<b>99</b>	<b>0</b>	<b>14</b>	<b>286</b>		<b>\$34,705.00</b>
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$15,150.00</b>	<b>\$10,440.00</b>	<b>\$8,415.00</b>	<b>\$0.00</b>	<b>\$700.00</b>			



July 24, 2025

Mr. Andrew Kacer, P.E.  
AECOM  
7650 West Courtney Campbell Causeway  
Tampa, FL 33607

**Re: Palm Beach International Airport (PBI) FedEx Building 1475 Proposed Fiber Path  
Topographic Route Survey, As-built Drainage Structures, and Utility Tie-In**

Dear Andy:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by Aaron Jackson with RS&H. The scope of services is as follows:

#### SCOPE OF SERVICES

##### I. TOPOGRAPHIC ROUTE SURVEY

Utilizing previously established airport survey control, we will perform an approximate 100' wide topographic survey centered along the proposed directional bore path. Approximate limits are shown outlined in pink on Attachment 'B'. We will obtain elevations at 50' intervals along the route.

##### Project Areas – Site Map

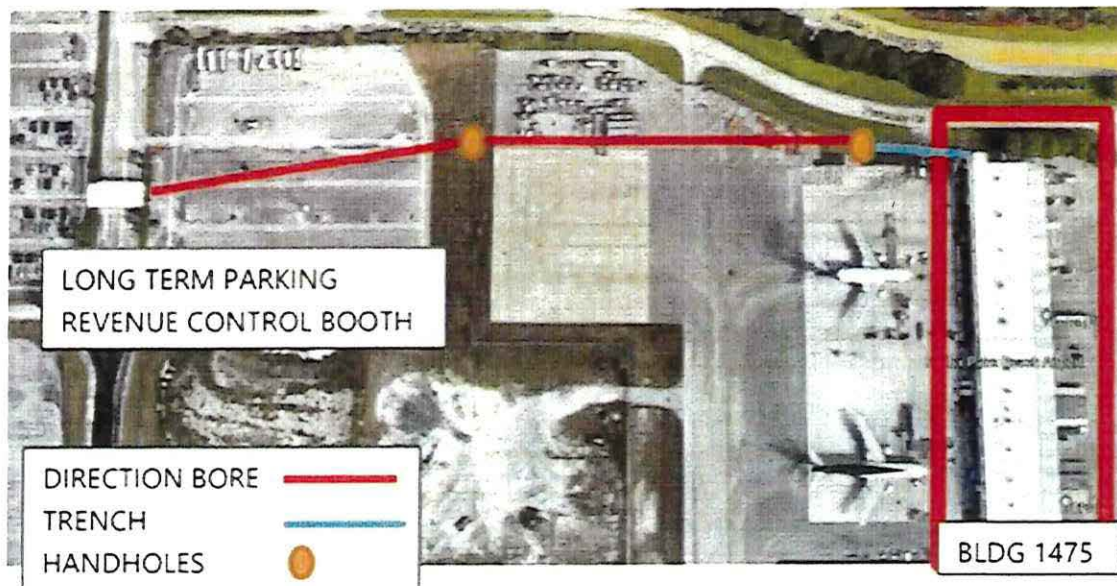


FIGURE 2: PROPOSED FIBER PATH

1860 Old Okeechobee Road • Suite 509 • West Palm Beach, Florida 33409

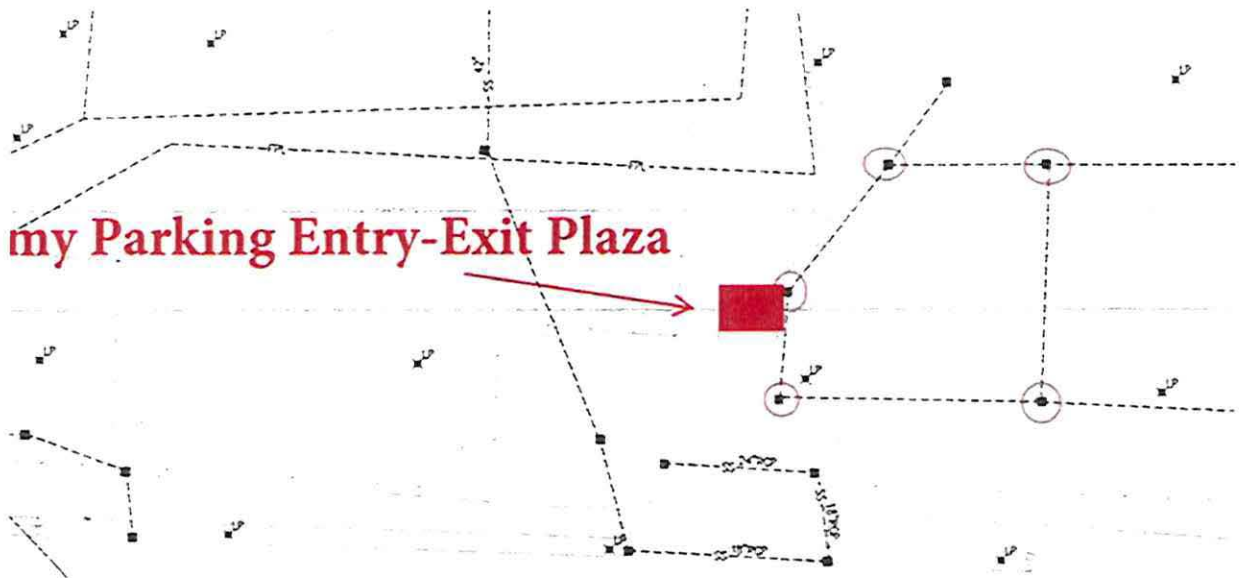
(561) 615-3988 • Fax (561) 615-3991

M:\PROPOSALS\BY COMPANY\AECOM\PBIA\PBI FedEx Building 1475\PBI FedEx Building 1475 Proposed Fiber Path Surveying Services.docx



## II. AS-BUILT DRAINAGE STRUCTURES

We will locate the five (5) existing structures shown below. We will attempt to get as-built information on all the pipes leading out of the five (5) existing structures. We will show invert elevations, pipe sizes and materials for all pipes located.



## III. SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES

We will perform the following SUE services, as requested by Aaron Jackson with RS&H in his email dated July 17, 2025:

### SUE Services

Designate all known tone able and non-tone able utilities within a 100' corridor for the length of directional drilling and trenching (approx. 1,200'); from existing Long Term Parking Control Booth to North side of BLDG 1475.

### Designation Services

Horizontally mark any known tone able and non-tone able underground utilities that are represented on as-built plans, above ground appurtenances, and other miscellaneous utility records. Conductive utilities will be marked on the surface utilizing active geophysical prospecting techniques in conjunction with electromagnetic equipment utilizing passive radio and audio frequencies. Known non-conductive utilities and/or structures will be marked on the surface utilizing Ground Penetrating Radar (GPR), above ground features, professional judgment, utility plats and/or as-builts.

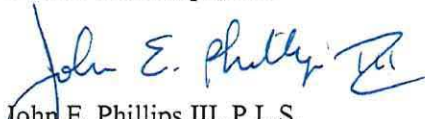
**Test Holes**

Perform up to eight test holes at specific sites requested by the design engineer. Test holes will be utilized to expose utilities to minimize any potential for damage. Test holes performed will be of minimum size (usually 1' by 1'). Backfill of test holes will be performed utilizing the removed material, if suitable. Areas will be restored back as close as possible to their original condition. Installation of an identifiable above ground marker will be performed at each test hole location. Field markers will consist of a nail and disk in asphalt, or an iron rod and cap with survey stake in grassed areas. Test holes performed in the street will be patched using cold patch. The test hole number and utility will be identified on the ground or on the stake, as appropriate. A test hole summary report will be created providing coordinates, depth of cover, type, size, and material if applicable. Locations to be surveyed by others. There is a four (4) test hole minimum for location services.

**IV. CLOSURE**

A drawing will be produced which will show all the features located. We propose to provide AECOM with hard copies, a digitally signed PDF, and an AutoCAD file in the version requested. We will perform the scope of services for an **hourly, not to exceed fee of \$19,932.00** (\$15,432.00 for the survey and \$4,500.00 for utility targeting) **plus \$5,662.00 for up to 8 test holes, for a total fee not to exceed \$25,594.00** (see Attachment 'A' for an estimated hourly breakdown). Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

**Brown & Phillips, Inc.**

  
John E. Phillips III, P.L.S.  
Principal

Attachment

JEP/mb

This Proposal accepted this \_\_\_\_ day of \_\_\_\_\_, 2025

By: \_\_\_\_\_  
**AECOM**

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

ATTACHMENT 'A'

Palm Beach International Airport (PBI) FedEx Building 1475 Proposed Fiber Path  
Topographic Route Survey, As-built Drainage Structures, and Utility Tie-In

Type of Survey: Topographic

Size: 1400'±

Date: July 24, 2025

TASK	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Meetings and Coordination				2	
Horizontal Project Network Control	4		2	1	Find/establish control
Vertical Project Network Control	6		1		Set benchmarks
Tie In Improvements and Cross Sections	40		7	1	Locate above ground features, 50' cross sections & spot elevs.
Drainage Structures	8		1		Asbuilt drainage structures including rim, invert, material
Underground Utilities	8	4	1	1	Field locate flagged utilities and add information to survey
Topographic Survey		20	5	3	Prepare topographic survey
Total Hours:	66	24	17	8	
Rate/Hour	\$156.00	\$96.00	\$96.00	\$150.00	
Subtotal:	\$10,296.00	\$2,304.00	\$1,632.00	\$1,200.00	
Total Labor Cost:					\$15,432.00

<b>Other Direct Costs:</b>	<b>quantity</b>	<b>unit</b>	<b>cost/unit</b>	<b>total</b>
S.U.E. Utility Targeting	2.25	days	\$2,000.00	\$4,500.00
<b>Total Other Direct Costs:</b>				\$4,500.00

**TOTAL PRICE FOR SURVEY:** **\$19,932.00**

TASK - S.U.E. Test Holes (up to 8)	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Field locate test holes and obtain elevation of pipes (x,y,z)	6	4	2	1	Locate test holes (up to 8) and prepare reports
Total Hours:	6	4	2	1	
Rate/Hour	\$156.00	\$96.00	\$96.00	\$150.00	unloaded rates
Subtotal:	\$936.00	\$384.00	\$192.00	\$150.00	
Total Labor Cost:					\$1,662.00

<b>Direct Costs:</b>	<b>quantity</b>	<b>unit</b>	<b>cost/unit</b>	<b>total</b>
S.U.E. Test Holes	8	each	\$500.00	\$4,000.00
<b>Total Other Direct Costs:</b>				\$4,000.00

**TOTAL PRICE FOR S.U.E. TEST HOLES:** **\$5,662.00**

**GRAND TOTAL:** **\$25,594.00**



Attachment 'B'



S:\PJIA Master Field Control file with targets-PAC\SACS (from 11-044-17-029-101.dwg, 8/8/2024, 1:00:00 PM)



EXHIBIT A-5

**PALM BEACH COUNTY DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-5**

**Miscellaneous Architectural, Planning, Engineering, and Construction Services**

**Palm Beach International Airport  
Task I-25-PBI-A-048: PBI Concourse B Expansion Electrical RPR Services**

**OVERVIEW**

The Palm Beach County Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM) provide professional engineering services to develop the Task I-25-PBI-A-048: PBI Concourse B Expansion Electrical RPR Services Project (Project) at Palm Beach International Airport (PBI).

**PROJECT TEAM**

The Project Team for this task includes:

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	Contract Administration
Quantum Electrical Engineering (QEE) (SUB-CONSULTANT)	Electrical RPR Services

**SCOPE OF WORK**

QEE will provide part-time on-site observations of quality and progress of the contractor's work to determine if the construction is proceeding in accordance with the Contract Documents. The RPR services are estimated to be up to 20 hours per week for 20 weeks.

**Project Schedule**

The AECOM Team will complete this Project for 20 weeks at the commencement of the NTP.

**Project Deliverables**

The deliverables for this task will include Daily Field Reports from the periodic inspections and any recommendations associated with the electrical scope of services.



**Assumptions:**

- CONSULTANT shall not be responsible for the means, methods, techniques, and sequences, procedures of construction or selection of materials selected by the Contractor or the safety precautions and programs incident to the work of the Contractor.
- CONSULTANT shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) -Task I-25-PHK-A-048: PBI Concourse B Expansion Electrical RPR Services

Task Description			Labor Estimate (Hours)								Fee Estimate (\$)			
			Principal	QC Reviewer	Senior Project Manager	Senior Planner	Design Manager	Project Engineer	Clerical	Total	Labor	Expenses	Total	
Task I-25-P1K-A048 PBI Concourse B Expansion Electrical RPR Services														
1.0			Total	0	0	12	0	0	0	12	24	4,392	0	4,392
		Contract Administration			12					12	24	\$4,392		\$4,392
Total Fee - AECOM Technical Services, Inc.				0	0	12	0	0	0	12	24	\$4,392	0	\$4,392
Subconsultant Fees Task 1.0														
1	QEE	LS	\$	11,200.00										
		T&M	\$	44,600.00										
Total Fee - Subconsultants			\$	56,000.00										
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES			\$	60,392.00										
Prepared by: AECOM Technical Services, Inc.														

July 24, 2025

AECOM Technical Services, Inc.  
Mr. Andrew Kacer, P.E.  
7650 West Courtney Campbell Causeway  
Tampa, FL 33607

Subject: Electrical Construction Administration Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – Concourse B Expansion RPR Services.

Dear Andy:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide AECOM an electrical Resident Project Representative (RPR) Services fee proposal for Palm Beach International Airport (PBI) Concourse B RPR Services.

The following tasks are included in our scope of services:

**Task 1: Construction Coordination**

- QUANTUM shall provide construction coordination for a period of (1) month to assist with the quality and progress of the contractor's work to determine if the construction is proceeding in accordance with the Contract Documents.

**Task 2: RPR Services**

- QUANTUM shall provide part-time on-site observations of the quality and progress of the contractor's work to determine if the construction is proceeding in accordance with the Contract Documents.
- The RPR services are estimated to be up to 20 hours per week for 16 weeks.

Our proposed total Lump Sum fee for Task 1:	\$ 11,200.00
Our proposed total Not-to-Exceed fee for Task 2:	\$ 44,800.00
<b>Total</b>	<b>\$ 56,000.00</b>

Sincerely,



Amy L. Champagne-Baker, PE  
President

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



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - CONCOURSE B RPR SERVICES									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL to AE 7/24/25									
	Rate	\$170.00	\$150.00	\$145.00	\$85.00	\$140.00	\$50.00		
		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
<b>TASK 1 Construction Coordination</b>									
Construction Coordination						80		80	\$11,200.00
<b>Task 1 Total</b>		0	0	0	0	80	0	80	\$11,200.00
<b>TASK 2 RPR Services</b>									
Part Time RPR Visits (20 hours/week for 16 weeks)						320		320	\$44,800.00
<b>Task 2 Total</b>		0	0	0	0	320	0	320	\$44,800.00
<b>Grand Total Hours</b>		0	0	0	0	400	0	400	
<b>Grand Total Labor Cost</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$56,000.00	\$0.00		\$56,000.00



EXHIBIT B:

DETAILED FEES, EXPENSES AND PAYMENTS

EXHIBIT B-I Summary of Fees

EXHIBIT B-II Schedule of Payments



EXHIBIT B-I  
SUMMARY OF FEES

Tasks	Lump Sum	T&M	Expenses	Total
Task I-25-PHK-A-044 PHK Fuel Farm Replacment: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid) Taxiway M Improvements CM/CA/RPR Services	\$ 47,554.46	\$ -	\$ 99.43	\$ 47,653.89
Task I-25-DOA-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services	\$ 146,918.96	\$ 331,492.36	\$ -	\$ 478,411.32
Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services	\$ 23,830.00	\$ 29,398.00	\$ -	\$ 53,228.00
Task I-25-PBI-A-047 PBI Access Control System (ACS) Upgrades	\$ 398,354.40	\$ 25,594.00	\$ 3,225.00	\$ 427,173.40
Task I-25-PBI-A-048 PBI Concourse B Expansion Electrical RPR Services	\$ 15,592.00	\$ 44,800.00	\$ -	\$ 60,392.00
Task III; Deliverables as Required in accordance with specific Task Authorizations				\$ 250,000.00
			Total	\$ 1,316,858.61





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 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:

Tasks to Be Completed:

Tasks	Duration	Total
Task I-25-PHK-A-044 PHK Fuel Farm Replacment: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid) Taxiway M Improvements CM/CA/RPR Services	120 Days	\$ 47,653.89
Task I-25-DOA-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services	270 Days	\$ 478,411.32
Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services	210 Days	\$ 53,228.00
Task I-25-PBI-A-047 PBI Access Control System (ACS) Upgrades	380 Days	\$ 427,173.40
Task I-25-PBI-A-048 PBI Concourse B Expansion Electrical RPR Services		\$ 60,392.00
Task III; Deliverables as Required in accordance with specific Task Authorizations	TBD	\$ 250,000.00
		\$ 1,316,858.61



EXHIBIT C

PROPOSED SCHEDULES

Tasks	Duration
Task I-25-PHK-A-044 PHK Fuel Farm Replacment: Re-Packaging, Re-Bidding, and Permitting Services (2025 Re-Bid) Taxiway M Improvements CM/CA/RPR Services	120 Days
Task I-25-DOA-A-045 Turnage Blvd. Rehabilitation CM/CA/RPR Services	270 Days
Task I-25-DOA-A-046 LNA and F45 AWOS Replacement CM/CA/RPR Services	210 Days
Task I-25-PBI-A-047 PBI Access Control System (ACS) Upgrades	380 Days
Task I-25-PBI-A-048 PBI Concourse B Expansion Electrical RPR Services	140 Days
Task III; Deliverables as Required in accordance with specific Task Authorizations	TBD

## EXHIBIT D

### DBE



**SCHEDULE 1(A)**  
**LIST OF PROPOSED DBE FIRMS (USE ADDITIONAL SHEETS AS NECESSARY)**

RFP Name:	<u>Airport General Consulting</u>	RFP Project No.	<u>AGREEMENT R2023-0980</u>
Name of Respondent:	<u>AECOM Technical Services, Inc.</u>		
Contract Person:	<u>Andrew Kacer</u>	CSA/Amend.No.	<u>Amendment 6</u>
	<u>7650 West Courtney Campbell Causeway,</u>		
Address:	<u>Tampa, FL 33607</u>		
Phone No:	<u>O) 813.636.2425 (C) 352.634.4363</u>	E-mail Address	<u>andy.kacer@aecom.com</u>

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification	Dollar Amount				
			Black	Hispanic	Women	Other (Please specify)	
Quantum Electrical Engineering, Inc. 2755 Vista Parkway, Suite I-9 West Palm Beach, FL 33411 (561) 210-9224	Electrical Services		Prime Contractor	\$ -	\$ -	\$ -	\$ -
		X	Subcontractor	\$ -	\$ -	103,955.00	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Tierra South Florida 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411 (561) 687-8536	Geotechnical / Material Testing Services		Prime Contractor	\$ -	\$ -	\$ -	Asian Pacific
		X	Subcontractor	\$ -	\$ -	\$ -	43,684.36
				\$ -	\$ -	\$ -	\$ -
			Manufacturer	\$ -	\$ -	\$ -	\$ -
Brown & Phillips 1860 Old Okeechobee Road, West Palm Beach, FL 33409 (561)-615-3988	Surveying		Prime Contractor	\$ -	\$ -	\$ -	\$ -
		X	Subcontractor	\$ 25,594.00	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Scalar Consulting Group inc. 5713 Corporate Way, Suite 200 West Palm Beach, FL 33107 561.429.5065	Roadway Construction Administration		Prime Contractor	\$ -	\$ -	\$ -	Asian
		X	Subcontractor		\$ -		61,575.96
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Master Consulting Engineers, Inc. 4101 Ravenswood Rd, Suite 320 Ft. Lauderdale, FL 33312 954.210.7671	Structural Engineering		Prime Contractor	\$ -	\$ -	\$ -	\$ -
		X	Subcontractor	\$ 4,949.71	\$ -		\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
TOTAL			\$ 30,543.71	\$ -	\$ 103,955.00	\$ 105,260.32	
TOTAL VALUE OF DBE PARTICIPATION			\$ 239,759.03				

**Notes:**

- The amounts listed on this form for each DBE Firm must be supported by the price included on Schedule 2, "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 website at <https://fdotxwp02.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/CustomSearch.aspx>
- If materials or supplies are proposed to be purchased from a DBE regular dealer, sixty percent (60%) of the proposed expenditure is counted toward attainment of the DBE goal. Reduce dollar amount to 60% of supplier's quote for purposes of determining value of DBE participation. Amounts listed on Schedule "2" should reflect the full expenditure (i.e., do not reduce supplier's quote).

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

By: Andrew Kacer  
Signature  
Andrew Kacer - VP  
Print Name/Title of Person Executing on Behalf of the Prime

7/24/2025  
Date

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 General Consulting

Change Order/Task /Amendment No. (if applicable): Amendment 6

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: Brown & Phillips, 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):

Survey

(Additional Sheets may be used as necessary.)

**Total Percentage of Participation by DBE Firm for this Project: 1.94 %**

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:**

<hr/>	_____%	<input type="checkbox"/> DBE Certified
(Name of Subcontractor)	(Percentage of work to be subcontracted)	<input type="checkbox"/> 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.**

Brown & Phillips, Inc.  
Printed Name of DBE Subcontractor

By:   
Signature

Date: 06-23-2025

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

LOI/SOQ Project Description: Airport General Consulting

Change Order/Task /Amendment No. (if applicable): Amendment 6

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: Scalar Consulting Group, LLC

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) (Asian)  
☐ 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):

Roadway Design Services

(Additional Sheets may be used as necessary.)

**Total Percentage of Participation by DBE Firm for this Project: 4.68 %**

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)      \_\_\_\_\_%      ☐ DBE Certified  
(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.**

Scalar Consulting Group, Inc.

Printed Name of DBE Subcontractor

By:   
Signature

Date: 7-23-2025

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



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS  
CONTRACT WITH AECOM TECHNICAL SERVICES, INC. FOR  
CONSULTING/PROFESSIONAL SERVICES  
GENERAL AIRPORT CONSULTING SERVICES  
AGREEMENT R2023-0980  
CONTRACT HISTORY

AGREEMENT	APPROVAL DATE	RESOLUTION NUMBER	BOARD APPROVED AMOUNT (INC TASK III) - NTE	DBE COMMITMENT	TASK I AMOUNT	TASK III BUDGET	TASK III Approved	AGREEMENT ADJUSTMENT	APPROVED AMOUNT TO DATE	DESCRIPTION
ORIGINAL AGREEMENT	7/11/2023	R2023-0980	\$ 2,126,629.78	23.08%	\$ 1,876,629.78	\$ 250,000.00	\$ 250,000.00	\$ -	\$ 2,126,629.78	PBI Taxiway R Rehabilitation; PBI Cargo Ramp Expansion; DOA Miscellaneous Planning & Engineering Services 2023; PBI Roof Replacement Resident Inspection Services; PBI Garage Repairs Threshold Inspection Services; LNA Phases 3 and 4 Design; PBI Wind Cone Relocation and Replacement (CM/CA/RPR); PBI Repackage/Bid Garage Repairs; and PBI Landside Terminal Parking System Expansion
AMENDMENT 1	11/7/2023	R2023-1654	\$ 1,396,545.04	38.45%	\$ 1,196,545.04	\$ 200,000.00	\$ 200,000.00	\$ -	\$ 3,523,174.82	F45 Stormwater Master Plan; LNA Stormwater Master Plan; PHK Stormwater Master Plan; PBI Turnage Boulevard Rehabilitation; PBI Terminal Wall Repairs; and DOA Miscellaneous Planning & Engineering Services.
AMENDMENT 2	1/23/2024	R2024-0110	\$ 1,897,269.66	16.04%	\$ 1,647,269.66	\$ 250,000.00	\$ 250,000.00	\$ -	\$ 5,420,444.48	PBI Holding Apron at TW A and C; PBI Taxiway M, M1, and M2 Reconstruction Improvements ; PBI Stormwater Master Plan; PBI Garage Additional Services; LNA Rotating Beacon and Tower; DOA Miscellaneous Planning & Engineering Services; and DBE Program Outreach Services 2024/25.
AMENDMENT 3	7/2/2024	R2024-0822	\$ 1,629,647.26	12.43%	\$ 1,379,647.26	\$ 250,000.00	\$ 250,000.00		\$ 7,050,091.74	PBI Taxiway R Rehabilitation CM/CA/RPR Services; LNA Runway 4-22 Slurry Seal; F45 Rotating Beacon Replacement CM/CA/RPR Services; PBI Miscellaneous Drainage Repairs – Package 2 CM/CA/RPR Services; PBI Repairs to Short-Term and Long-Term Parking Garage 3 CM/CA/RPR Services; PBI Taxiway C and M Connector; and DOA Miscellaneous Planning & Engineering Services.
AMENDMENT 4	1/7/2025	R2025-0067	\$ 1,522,284.24	7.59%	\$ 1,272,284.24	\$ 250,000.00	\$ 250,000.00	\$ -	\$ 8,572,375.98	PBI Miscellaneous Pavement Repairs CA/RPR Services; PBI Green Street CM/CA/RPR; PBI Garage Additional Services ; DOA Miscellaneous Planning and Engineering Services; PBI Entrance Road Bridge Assessments; LNA Phases 3 and 4 (Additional Design Services); PBI Roof Replacement and Condensation Corrections CA Services; and PBI Garage Phase 2 (Re-Bid and Additional Services).
AMENDMENT 5	7/8/2025	R2025-1000	\$ 2,374,870.93	16.74%	\$ 2,124,870.93	\$ 250,000.00	\$ 249,958.95	\$ -	\$ 10,947,205.86	Construction Services for three (3) Projects: 1.) PBI Box Culvert and Rehabilitation of Taxiways M, M1, and M2, 2.) General Aviation Airports Pavement Rehabilitation and Related Work, and 3.) LNA Beacon and LNA/F45 PAPI Installation. Miscellaneous Planning and Engineering Services; and Design of PHK Drainage Improvements.
AMENDMENT 6	PENDING	TBD	\$ 1,316,858.61	18.21%	\$ 1,066,858.61	\$ 250,000.00	\$ -	\$ -	\$ 12,014,064.47	Construction Services for two (2) Projects: 1.) PBI Turnage Blvd. Rehabilitation and 2.) LNA and F45 AWOS Replacement. Miscellaneous Planning and Engineering Services; and Design of the PHK Fuel Farm Re-bidding and the PBI Access Control System (ACS) Updates.
TOTAL (DBE adjusted to include funded Task III DBE)			\$ 12,264,105.52	23.10%	\$ 10,564,105.52	\$ 1,700,000.00	\$ 1,449,958.95	\$ -	\$ 12,014,064.47	

BOARD OF COUNTY COMMISSIONERS  
PALM BEACH COUNTY, FLORIDA  
EXPENDITURE BUDGET TRANSFER

BGEX 121-072925\*1630

FUND FUND 4111 Airport Improvement & Development Fund

ACCOUNT NUMBER	ACCOUNT NAME	UNIT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED as of 08/06/2025	REMAINING BALANCE
EXPENDITURES									
121-A107-6505	Design/Eng/Mgmt - CIP Adm	P-Design/Engineering Services	12,438,034	13,201,421	250,000	0	13,451,421	9,982,773	3,468,648
121-A900-9909	Res-Improvement Program	Capital Reserves	22,469,851	15,046,061	0	250,000	14,796,061		14,796,061
Total Expenditures					250,000	250,000			

SIGNATURES



Initiating Department/Division

DATES

8/6/25

Administration/Budget Department Approval

OFMB Department - Posted

BY BOARD OF COUNTY COMMISSIONERS

At Meeting of: Tuesday, September 16, 2025

Deputy Clerk to the  
Board of County Commissioners