

PALM BEACH COUNTY

BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

☐ Consent ☒ Regular
☐ Workshop ☐ Public Hearing

☐ Workshop ☐ Public Hearing

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

- (A) Amendment No. 5 to the Contract for Consulting/Professional Services (Consulting Agreement) with AECOM Technical Services, Inc. (AECOM) in the amount of \$2,374,870.93, providing for the exercise of the first one (1) year renewal option for the performance of professional planning, design and engineering services related to the Palm Beach County Department of Airports (Department) Capital Improvement Program; and

- (B)** a Budget Transfer in the amount of \$1,830,768 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 with an initial term of two (2) years with three (3) one (1) year renewal options. Amendment No. 1 through Amendment No. 4 increased the contract amount by \$6,445,746.20 and provided professional services for various projects, including: Palm Beach International Airport (PBI) and General Aviation Airport Stormwater Master Plans, PBI Turnage Boulevard Rehabilitation, PBI Holding Apron Improvement at Taxiway A and C, 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, Roof Replacement and Condensation Corrections; and PBI Entrance Road Bridge Assessments. A detailed Contract History is included in Attachment 1. Approval of Amendment No. 5 will increase the contract amount by \$2,374,870.93 for a total contract amount of \$10,947,246.91 and provides for the exercise of the first one (1) year renewal option. Amendment No. 5 includes construction phase consulting services for the Taxiway M Improvements Project, which is recommended for approval in Item 6E2 on this agenda, as well as professional services for various other projects, including: General Aviation Airports Pavement Rehabilitation and Related Work, LNA Beacon and LNA/F45 Precision Approach Path Indicator Installation, Palm Beach County Glades Airport (PHK) Drainage Improvements, Construction Management Support Services, and Miscellaneous Planning & Engineering Services. Amendment No. 5 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. 5 is 16.74%. The cumulative DBE participation, including Amendment No. 5, is 19.6%. 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. 5 exceeds the threshold amount and must be approved on the regular agenda. This item is contingent on approval of Item 3F9, which provides partial funding for Amendment No. 5. **Countywide (AH)**

Background and Policy Issues: Amendment No. 5 provides for design, bidding and construction phase services as well as for miscellaneous services to be provided on an as-needed basis necessary to implement the Department's Capital Improvement Program and the exercise of the first one (1) year renewal option.

Attachments:

1. Amendment No. 5 with AECOM, Inc. – 2 Originals with Contract History
2. Budget Transfer (1)

Laura Becker
Department Director

6/11/25
Date

Don C. Appl
Assistant County Administrator

6/23/25
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2025	2026	2027	2028	2029
Capital Expenditures	\$ 2,374,871				
Operating Costs					
External Revenues (Grants)	(\$408,077)				
Program Income (County)					
In-Kind Match (County)					
NET FISCAL IMPACT	\$ 1,966,794				
# 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		No	X	
Budget Account No:	Fund 4111	Department 121	Unit A107 – Various	Object 6505	
	4111	121	A465 – 375/518	6505	
	4111	121	A341 – 375/518	6504	
	4111	121	A496 – 375/518	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 \$2,374,871. Partial funding for this Project is provided by Federal Aviation Administration (FAA) Grant Agreement Number 3-12-0085-081-2025, which is recommended for approval in Item 3F in the amount of \$408,077. This item includes a \$136,025.76 local/passenger facility charges (PFC) match.

PFC and grant reimbursements will be determined as invoices are received.

C. Departmental Fiscal Review:

III. REVIEW COMMENTS

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

KK Shirley M. Burt 6/13/2025
6/13 OFMB QA 6/15

Brenda Zacher 6/16/25
Contract Dev. and Control ZB 6/16/25

B. Legal Sufficiency:

Anne Telford 6-18-25
Assistant County Attorney

C. Other Department Review:

Department Director

Amendment No. 5 with AECOM Technical Services, Inc.
2 Originals with Contract History



**AMENDMENT NO. 5 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. 5 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, 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 Contract is hereby amended to add the following:

Consultant acknowledges and agrees that this Agreement shall be subject, and subordinate, to the provisions of any existing or future agreement between County and the United States of America or State of Florida, and their respective agencies, the execution of which has been, or may be, required as a condition precedent to the expenditure of federal or state funds, including, without limitation, grant agreements and associated assurances (hereinafter

collectively referred to as "Grant Obligations"). The Grant Obligations shall be considered incorporated into this Agreement by reference, including any amendments or modifications thereto.

Notwithstanding any provision of this Agreement to the contrary, Consultant agrees it shall comply with all Grant Obligations applicable to Consultant by virtue of this Agreement. County agrees to provide Consultant with written notice of any new or amended Grant Obligations, which modify Consultant obligations hereunder. In the event of conflict between any provision of this Agreement and the Grant Obligations, the parties acknowledge and agree the provisions of the Grant Obligations shall prevail.

2. The parties hereby agree to amend the Contract to include the Scope of Services and Fees as outlined in Exhibit A. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed Two Million Three Hundred and Seventy Four Thousand Eight Hundred and Seventy Dollars and Ninety Three Cents (\$2,374,870.93) for the services in Amendment No. 5 to the original Contract.
3. The parties agree to amend the Contract to include the first one (1) year renewal option for the continuation of services provided by the CONSULTANT under this Contract.
4. 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 Fifth 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

SIGNATURE

Clint Martin

Name (type or print)

CONSULTANT:

AECOM Technical Services, Inc.

COMPANY NAME

Andrew Kacer

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: Lana Bube
Department Director



AMENDMENT NO. 5
INDEX

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 5

EXHIBIT A-1	Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services
EXHIBIT A-2	Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services
EXHIBIT A-3	Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services
EXHIBIT A-4	Task I-25-DOA-A-041: Miscellaneous Planning & Engineering Services
EXHIBIT A-5	Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services
EXHIBIT A-6	Task I-25-PHK-A-043 PHK Drainage Improvements

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).

PRODUCER 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		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:	
INSURED AECOM AECOM Technical Services, Inc. 7650 W. Courtney Campbell Causeway, Suite 700 Tampa, FL 33607-1462		INSURER(S) AFFORDING COVERAGE INSURER A : ACE American Insurance Company INSURER B : N/A INSURER C : Illinois Union Insurance Co INSURER D : INSURER E : INSURER F :	
		NAIC # 22667 N/A 27960	

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	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <div><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) \$
	<div><input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE</div> <div>DED RETENTION \$</div>						EACH OCCURRENCE \$ AGGREGATE \$
A	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 Defense Included 5,000,000

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 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	CANCELLATION 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. 5 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-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services |
| EXHIBIT A-2 | Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services |
| EXHIBIT A-3 | Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services |
| EXHIBIT A-4 | Task I-25-DOA-A-041: Miscellaneous Planning & Engineering Services |
| EXHIBIT A-5 | Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services |
| EXHIBIT A-6 | Task I-25-PHK-A-043 PHK Drainage Improvements |

EXHIBIT A-1

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-1

Miscellaneous Planning, Engineering and Construction Services

**Palm Beach International Airport (PBIA)
Task I-25-PBI-A-038 PBI Box Culvert and
Taxiway M Improvements 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 Tasks I-25-PBI-A-038 PBI Box Culvert, and Taxiway M Improvements CM/CA/RPR Services Project (Project) at Palm Beach International Airport (PBIA). The scope of work for this Project includes providing Construction Management (CM), Construction Administration (CA), and Resident Project Representative (RPR) services for this Project.

PROJECT TEAM

The Project Team for these construction services will consist of:

Firm Name (CONSULTANT/SUBCONSULTANT)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	CM/CA/RPR Services
Chen Moore and Associates (CMA) (SUBCONSULTANT)	Drainage CA Services
Quantum Electrical Engineering (QEE) (SUBCONSULTANT)	Electrical CA Services
Tierra South Florida, Inc. (TSF) (SUBCONSULTANT)	Material Testing Services

PROJECT OBJECTIVE AND APPROACH

The objective of this Project is to construct the Box Culvert and Taxiway M Improvements Project at Palm Beach International Airport (PBI). The box culvert runs east to west, between Taxiways C and M, and west of Taxiway M1. Taxiway M is parallel to Runway 10L-28R with Taxiway C running parallel in between them. Taxiway M provides access between the East Remote general aviation apron, Terminal Apron, and Air Cargo Apron to Runway 10L-28R.

A summary of improvements to be included in the construction documents is as follows:

- Install 1320 linear feet of box culvert.
- Rehabilitation of the full-strength asphalt pavement areas of Taxiway M and Taxiway connectors M1 and M2. The rehabilitation will primarily consist of a mill and overlay with isolated areas of pavement widening along the connectors.
- Full-depth asphalt pavement removal in direct access areas from Taxiway connector M2 to Taxiway C.
- New full-strength asphalt pavement construction of the relocated Taxiway M1 connector.
- Full-depth asphalt pavement removal in the shoulder area directly west of Taxiway M2 north of Taxiway M.
- New full-strength asphalt pavement.
- Geometry/Fillet modifications to comply with Airplane Design Group IV and Taxiway Design Group 5 cockpit-over-centerline aircraft movements per Federal Aviation
- Administration Advisory Circular (FAA AC) 150/5300-13B, Airport Design, Change 1.
- Grading and Drainage improvements.

Procurement shall consist of materials procurement and mobilization for a period of one-hundred twenty (60) Calendar Days from the Notice to Proceed (NTP). Project construction will be for a period of one hundred and eighty (180) 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 an internal kick-off meeting with AECOM Team to review schedule and communication protocol. Facilitate meetings between Owner, Contractor(s), and Stakeholders, including preconstruction meeting, progress meetings (biweekly progress meetings during procurement and weekly construction progress meetings during construction, plus special meetings during Project and during Final Close-out. Pre-construction activity meetings. Meeting Minutes for all formal meetings will be prepared by AECOM;

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services

Billing Rate:		\$ 98	\$ 236	\$ 270	\$ 201	\$ 215	\$ 128	\$ 96
---------------	--	-------	--------	--------	--------	--------	--------	-------

LS	\$297,360.00
TM	\$244,688.48
EXP	\$0
Total	\$542,028.48

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services

Billing Rate:		\$ 98	\$ 236	\$ 270	\$ 201	\$ 215	\$ 128	\$ 96
---------------	--	-------	--------	--------	--------	--------	--------	-------

Labor Estimate (Hours)										Fee Estimate (\$)			
			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total
Task Description													
Add Alternate 2 (Taxiways C, M, M1 and M2) (Duration 150 Days)													
1	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	37	128	406	367	104	15	1,057	\$218,555.00	\$ -	\$218,555.00
	A Internal Kick-Off Meeting				1	1	1		2	5	\$ 878		\$ 878
	A Pre-Constructon Conference (Split between BB and 2 AAs)				1	1	1		1	4	\$ 782		\$ 782
	A Procurement Meetings (2 Meetings)				4	4	4			12	\$ 2,744		\$ 2,744
	A Weekly Progress Meetings and Other Meetings (20 Meetings)				10	20	20			50	\$ 11,020		\$ 11,020
	B Prepare Confirmed and Executed Contract Documents			2	4	4		16		26	\$ 4,404		\$ 4,404
	C Review Contractor's MOT Plans				2	4	4			10	\$ 2,204		\$ 2,204
	D Review Contractor's Critical Path Schedule				1	3	8			12	\$ 2,593		\$ 2,593
	E Review Contractor's Survey compared to Design and In Progress Contractors As-Builts				4	45	36			85	\$ 17,865		\$ 17,865
	F Review Contractor's Safety and Security Plans				1	2				3	\$ 672		\$ 672
	G Process Review and Approve Shop Drawings and Submittals			4	8	65	55			132	\$ 27,994		\$ 27,994
	G Process Review and Approve Shop Drawings and Re-Submittals			3	2	35	35			75	\$ 15,808		\$ 15,808
	H Interpretation and Clarification of Contract Documents/RFIs			8	20	65	65			158	\$ 34,328		\$ 34,328
	I Coordinate QA Material Testing				4	30	30			64	\$ 13,560		\$ 13,560
	J Review QA Material Testng Reports				4	24	8			36	\$ 7,624		\$ 7,624
	K Maintain Electronic Files				3	5	5			13	\$ 2,890		\$ 2,890
	L Review Payment Applications				3	5	10	20		38	\$ 6,525		\$ 6,525
	M Preparation of Change Orders, Notices of Non-Compliance etc.			16	32	65	65			178	\$ 39,456		\$ 39,456
	N Task management and Coordination				16	8		16	8	48	\$ 8,744		\$ 8,744
	O As Built Review					6		6		12	\$ 1,974		\$ 1,974
	P Prepare Record Drawings			4	4	8	20	40		76	\$ 13,052		\$ 13,052
	Q Project Closeout				4	6		6	4	20	\$ 3,438		\$ 3,438
2	RPR SERVICES (T&M + REIM.)	Total	130	0	52	348	0	1,076	0	1,606	\$234,456.00	\$ -	\$234,456.00
	A Pre-Construction Survey Validation, Inspection & Photographs					8		20		28	\$ 4,168		\$ 4,168
	B Review Contractor Daily Reports					16		16		32	\$ 5,264		\$ 5,264
	C Full Time Inspections (Project Engineer, 21 weeks, 60 hours per week)		130						1,000	1,130	\$ 140,740		\$ 140,740
	D Periodic Inspections (CM, 17 weeks, 16 hours per week)					272				272	\$ 54,672		\$ 54,672
	E Review Guarantees, Warranties, Certifications, and O&M Manual's				4	4				8	\$ 1,884		\$ 1,884
	F Substantial and Final Completion Inspection				8	8				16	\$ 3,768		\$ 3,768
	G Construction Support Services				40	40		40		120	\$ 23,960		\$ 23,960
Total Fee - AECOM Technical Services, Inc.			130	37	180	754	367	1,180	15	2,663	\$453,011.00	\$ -	\$453,011.00

LS	\$249,485.00
TM	\$307,381.04
EXP	\$0
Total	\$556,866.04

Total Fee - Subconsultants	\$ 103,855.04
-----------------------------------	----------------------

TOTAL FEE - BASIC ENGINEERING SERVICES ADD ALTERNATE 2		\$556,866.04
--	--	--------------

TOTAL FEE - BASIC ENGINEERING SERVICES (BASE BID PLUS ADD ALTERNATE 2)	\$1,098,894.52
---	-----------------------

Prepared by: AECOM Technical Services, Inc.

May 5, 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) – Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CA Services.

Dear Andy:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide AECOM an electrical construction administration (CA) Services fee proposal for Palm Beach International Airport (PBI) Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CA Services and is based on 60 days of procurement, 180 days of construction and 30 days of Final Acceptance.

The following tasks are included in our scope of services:

Task 1: Construction Administration Services

Add Alternate 2 (Taxiway C, M, M1, M2):

- Includes attending (1) virtual preconstruction kickoff meeting with DOA, AECOM and Contractor.
- Includes attending up to (1) virtual construction meetings with DOA, AECOM and Contractor during procurement phase.
- Includes attending up to (6) virtual construction meetings with DOA, AECOM and Contractor during Construction.
- Includes attending up to (1) virtual construction meetings with DOA, AECOM and Contractor during Final Closeout.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes requests for information (RFI) reviews & approvals.
- Includes change order reviews and comments.
- Includes review of the electrical portion of pay applications.
- Includes (6) periodic site observation visits up to (2) hours per visit. Quantities to be measured and recorded by AECOM RPR.
- Includes substantial and final completion inspections.
- Includes development of record drawings based on Contractor "Red Line Plan Mark-ups" and review of closeout documents.

Task 2: RPR Services

Add Alternate 2 (Taxiway C, M, M1, M2):

- 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.

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

www.QuantumElectricalEngineering.com

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

➤ The RPR services are estimated to be up to 12 hours per week for 25 weeks.

Our proposed total Lump-Sum fee for Task 1 Add Alternate 2:	\$ 9,450.00
Our proposed total Not-to-Exceed fee for Task 2 Add Alternate 2 :	\$ 42,000.00
Total	\$ 51,450.00

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

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - TAXIWAY M IMPROVEMENTS PROJECT CA SERVICES - ADD ALTERNATE 2									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL CA to AE 3/24/25									
	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	Hours	TASK COST
TASK 1 Construction Services									
Pre-Construction Kickoff Meeting			1					1	\$150.00
Prepare Conformed Documents			1		1			2	\$235.00
Review and Approve Shop Drawings			10				2	12	\$1,600.00
On-Site Perodic Observation Visits (6 visits @ 2hrs ea)						12		12	\$1,680.00
Construction Coordination Meetings (up to 6 meetings)			6			6		12	\$1,740.00
Respond to Requests for Information (RFI)			4		8		2	14	\$1,380.00
Change Orders			2		2	1		5	\$610.00
Pay Applications						3		3	\$420.00
Substantial Completion						4	1	5	\$610.00
Final Completion			4				1	5	\$650.00
Review As-builts						1		1	\$140.00
Prepare Record Documents			1		1			2	\$235.00
Subtotal	0	29	0	12	27	6	74		\$9,450.00
TASK 2 RPR Services									
Part Time RPR Visits (12 hours/week for 25 weeks)						300		300	\$42,000.00
Subtotal	0	0	0	0	0	300	0	300	\$42,000.00
Grand Total Hours	0	29	0	12	327	6	374		
Grand Total Labor Cost	\$0.00	\$4,350.00	\$0.00	\$1,020.00	\$45,780.00	\$300.00			\$51,450.00

500 Australian Avenue South, Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



May 5, 2025

SENT VIA E-MAIL

andy.kacer@aecom.com

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

Subject: Palm Beach International Airport (PBI)
Task I-25-PBI-A-038 PBI Box Culvert and TWY M
Improvements Drainage Construction Administration
CMA Proposal No. 25-0066.P0001-002

Dear Mr. Kacer:

Chen Moore and Associates, Inc. (CMA) is pleased to submit this proposal to provide professional services to AECOM Technical Services, Inc. (AECOM). This proposal is intended to define a general scope of services to assist with Construction Administration services for the above-referenced project.

PROJECT INTRODUCTION

The project includes the construction of approximately 1320 LF of box culvert and the pavement rehabilitation of Taxiway M and Taxiway connectors M1 and M2, as well as the associated grading and drainage improvements.

The objectives of this Scope of Services are to provide Construction Administration Services during construction of the Project. Previous Work Orders executed with Chen Moore and Associates (Consultant) have advanced the design through final plans and solicitation of a construction contractor. Per our recent correspondence, CMA's role shall consist of:

- Construction Administration Services for Drainage

The scope of work for CMA is described further below.

PROJECT STAFFING

Our staff and team are ready and prepared to work on this project. Chen Moore staff project roles shall be as follows:

Principal Engineer – Brent Whitfield, P.E.
Senior Engineer – Cole Benjamin, P.E.
Associate Engineer – Darrell Carless
Senior Construction Specialist – Evan Poropat

Subconsultants:

N/A

SCOPE OF SERVICES

Due to the funding mechanisms in place at the time of the project award, this project includes a Base Bid and Add Alternative 2. The project construction included in each bid package is listed below.

- **Base Bid** (Concrete Box Culvert Construction)
- **Add Alternative 2** (Taxiway C, M, M1 and M2)

The scope of services CMA shall provide is as follows:

Task 1 – Base Bid – Construction Administration (Drainage)

Consultant shall:

- Attend progress meetings. This scope of work assumes up to three (3) bi-weekly construction progress meetings. Progress meetings will be attended virtually.
- Provide an on-site representative during the duration of construction to examine design critical components related to the box culvert installation to ensure permit compliance and provide technical assistance when requested by the Contractor to address any construction issues that have occurred, or at critical points of the construction.
 - This scope includes the following for on-site inspection services:
 - Inspection services for the Base Bid include up to 250 hours of on-site inspection during the installation of the drainage improvements associated with the Base Bid.
- Complete construction inspection reports at least twice weekly during the duration of construction, or at critical points of the construction.
- Review shop drawing submittals for drainage structures to confirm construction complies with submitted information.
- Review and respond to Requests for Information (RFI) and if required, prepare and issue supplemental drawings and specifications. This scope of work includes up to 15 RFIs for the Base Bid.
- Review As-Built drawings provided by the Contractor.
- Update record drawing set to reflect revisions during construction.

Task 2 – Add Alternative 2 – Construction Administration (Drainage)

Consultant shall:

- Attend progress meetings. This scope of work assumes up to three (3) bi-weekly construction progress meetings. Progress meetings will be attended virtually.
- Provide an on-site representative during the duration of construction to examine design critical components related to the drainage improvements to ensure permit compliance and provide technical assistance when requested by the Contractor to address any construction issues that have occurred, or at critical points of the construction.
 - This scope includes the following for on-site inspection services:

- Inspection services for Add Alternative 2 include up to 60 hours of on-site inspection during the installation of the drainage improvements associated with Add Alternative 2.
- Complete construction inspection reports at least twice weekly during the duration of construction, or at critical points of the construction.
- Review shop drawing submittals for drainage structures to confirm construction complies with submitted information.
- Review and respond to Requests for Information (RFI) and if required, prepare and issue supplemental drawings and specifications. This scope of work includes up to 5 RFIs for the Base Bid.
- Review As-Built drawings provided by the Contractor.
- Update record drawing set to reflect revisions during construction.

The basis for the above scope of services and associated fee(s) are based on the following:

- Additional responses or reviews above and beyond what is listed in this scope shall be rendered as an additional service.

SCHEDULE AND FEES

Consultant shall schedule work upon receipt of signed approval for this project as required. Per discussions with your team, the goal is to start immediately upon notice to proceed and official authorization from the Client.

The total lump sum fee for this project will be divided as follows:

<u>Task(s)</u>	<u>Task Description</u>	<u>Lump Sum Fees</u>	<u>Hourly Fees</u>	<u>Total Fees</u>
Task 1	Base Bid – Construction Administration (Drainage)	\$72,170.00	-	\$72,170.00
Task 2	Add Alternative 2 – Construction Administration (Drainage)	\$21,480.00	-	\$21,480.00
	PROJECT TOTAL	\$93,650.00	-	\$93,650.00

Should you have any questions, please do not hesitate to contact me at my office at +1 (813) 896-0286, my cell phone at +1 (904) 707-7724, or send me an electronic message at blehr@chenmoore.com.

Respectfully submitted,



Benjamin Lehr, PE, LEED AP
Director – Transportation
5/5/25

Attachment(s): Fee Estimate

Task I-25-PBI-A-038 PBI Box Culvert and TWY M Improvements Drainage Construction Administration Services

Fee Estimate

Chen Moore and Associates, Inc.

CMA Project No. 25-0066.P0001-002

	Project Director	Senior Engineer	Associate Engineer	Senior Construction Specialist	Admin Staff	Total
Hourly Rate	\$250.00	\$200.00	\$125.00	\$145.00	\$90.00	
TASK 1 – BASE BID CONSTRUCTION ADMINISTRATION (DRAINAGE)						
Attend progress meetings (assume 3 virtual meetings)		3				\$600.00
On-site construction inspections for box culvert installation				250		\$36,250.00
Complete construction inspection reports	4			16		\$3,320.00
Review shop drawings	6	24				\$6,300.00
Review and respond to RFIs (up to 15 RFIs)	8	40	32			\$14,000.00
Review as-built drawings	4	12				\$3,400.00
Record drawing plan revisions	4	8	12			\$4,100.00
Coordination	4	16				\$4,200.00
Task 1 Total	30	103	44	266	0	\$72,170.00
TASK 2 – ADD ALTERNATIVE 2 CONSTRUCTION ADMINISTRATION (DRAINAGE)						
Attend progress meetings (assume 3 virtual meetings)		3				\$600.00
On-site construction inspections for drainage improvements				60		\$8,700.00
Complete construction inspection reports	2			4		\$1,080.00
Review shop drawings	2	8				\$2,100.00
Review and respond to RFIs (up to 5 RFIs)	2	12	8			\$3,900.00
Review as-built drawings	1	4				\$1,050.00
Record drawing plan revisions	1	6	4			\$1,950.00
Coordination	2	8				\$2,100.00
Task 2 Total	10	41	12	64	0	\$21,480.00
TOTAL FEES						\$93,650.00
TASK						
TASK 1 – BASE BID CONSTRUCTION ADMINISTRATION (DRAINAGE)			Total Hrs/Task	Total \$/Task		
			443	\$72,170.00		
TASK 2 – ADD ALTERNATIVE 2 CONSTRUCTION ADMINISTRATION (DRAINAGE)			127	\$21,480.00		
TOTAL			570	\$93,650.00		



March 23, 2025

AECOM
7650 West Courtney Campbell Causeway
Tampa, Florida 33607
Attn: Mr. Andrew Kacer, P.E. | Florida Lead - Airports
Email: Andy.Kacer@aecom.com
Phone: (352) 634-4363

Subject: Proposal for Construction Material Testing Services
PBI Box Culvert and Taxiway M Improvements
(Palm Beach International Airport-PBIA)
Palm Beach County, Florida
TSFGeo Proposal No. 2503-163

Dear Mr. Kacer:

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 objective of this project is to construct the Box Culvert and Taxiway M Improvements at Palm Beach International Airport (PBI). The open channel between Taxiway M and Taxiway C will be encapsulated with a concrete *box culvert*. Taxiway M2 to be removed between Taxiway C and Taxiway M. Mill and Overlay full strength asphalt taxiway pavement (Taxiway M1, M and C).

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 structural concrete.
- Inspection of asphalt plant supplier prior to starting asphalt operations.
- Provide senior engineering technician to assist with asphalt plant inspections and testing during initial test section.
- Provide senior engineering technician to assist with asphalt plant 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:

1. Box Culvert	\$ 7,652.48
2. Taxiway M Improvements	<u>\$ 30,925.04</u>

Construction Material Testing Services Total Fee: \$ 38,577.52

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

1- Box Culvert

ITEM	Quantity	Rate	Units	Extended
<i>CONSTRUCTION MATERIAL TESTING SERVICES</i>				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	3	\$ 120.00	test	\$ 360.00
LBR	0	\$ 350.00	test	\$ -
Carbonate Content	0	\$ 120.00	test	\$ -
Sieve Analysis	3	\$ 65.00	test	\$ 195.00
Organic Content	3	\$ 50.00	test	\$ 150.00
Atterberg Limits	0	\$ 90.00	test	\$ -
Subtotal				\$ 705.00
CONCRETE / SOIL				
Compression Testing of Concrete Cylinders-(set of 4)	6	\$ 150.00	set	\$ 900.00
Senior Engineering Techniciain - Density/Concrete testing, Stand by, Sample Pick up	36	\$ 91.68	hour	\$ 3,300.48
Nuclear Density Test -up to five (5) test per trip	10	\$ 140.00	trip	\$ 1,400.00
Additional Density tests (beyond 5 tests)	0	\$ 28.00	each	\$ -
Subtotal				\$ 5,600.48
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	5	\$ 269.40	hour	\$ 1,347.00
Subtotal				\$ 1,347.00
Total Estimated Fees				\$ 7,652.48

2- Taxiway M Improvements

ITEM	Quantity	Rate	Units	Extended
<i>CONSTRUCTION MATERIAL TESTING SERVICES</i>				
LABORATORY TESTING SERVICES				
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	4	\$ 65.00	test	\$ 260.00
Organic Content	4	\$ 50.00	test	\$ 200.00
Atterberg Limits	4	\$ 90.00	test	\$ 360.00
Subtotal				\$ 2,120.00
CONCRETE / SOIL / ASPHALT				
Compression Testing of Concrete Cylinders-(set of 4)	12	\$ 150.00	set	\$ 1,800.00
Senior Engineering Techniciain - Density/Concrete testing, Stand by, Sample Pick up	40	\$ 91.68	hour	\$ 3,667.20
Nuclear Density Test -up to five (5) test per trip	22	\$ 140.00	trip	\$ 3,080.00
Additional Density tests (beyond 5 tests)	16	\$ 28.00	each	\$ 448.00
Asphalt Field Inspector	84	\$ 101.88	hour	\$ 8,557.92
Asphalt Plant Inspector	84	\$ 101.88	hour	\$ 8,557.92
Subtotal				\$ 26,111.04
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	10	\$ 269.40	hour	\$ 2,694.00
Subtotal				\$ 2,694.00
Total Estimated Fees				\$ 30,925.04



EXHIBIT A-2

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-2

Miscellaneous Planning, Engineering and Construction Services

**Palm Beach County Glades Airport (PHK)
North Palm Beach County General Aviation Airport (F45)
Palm Beach County Park Airport (LNA)
Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation
and Related Work 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-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services Project (Project) at PHK, F45, and LNA. The scope of work for this Project includes providing Construction Management (CM), Construction Administration (CA), and Resident Project Representative (RPR) services for this Project.

PROJECT TEAM

The Project Team for these construction services will consist of:

Firm Name (CONSULTANT/SUBCONSULTANT)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	CM/CA/RPR Services
Tierra South Florida, Inc. (TSF) (SUBCONSULTANT)	Material Testing Services

PROJECT OBJECTIVE AND APPROACH

The objective of this Project is to rehabilitate specific pavement areas at PHK, F45, and LNA. The work at each airport is separated as follows:

- Base Bid Schedule A: PHK improvements include a mill and overlay for the entrance road and parking area. Roadway and parking marking will be installed after the areas are paved. Asphalt surface treatment as well be applied to Taxiways A and the apron. The apron pavement joints will be sealed. Marking will be installed after the areas are paved.

- Base Schedule B: F45 improvements include asphalt surface treatment and crack sealing for Runway 9R-27L, the taxiway connectors within the Runway Safety Area, and the apron area. Marking will be installed after the areas are paved.
- Base Schedule C: LNA improvements include asphalt surface treatment and crack sealing for Runway 4-22 and the taxiway connectors within the Runway Safety Area. Marking will be installed after the areas are paved.

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:

Schedule A (PHK): 44 Calendar Days

Schedule B (F45): 48 Calendar Days

Schedule C (LNA): 19 Calendar Days

For a total of 111 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 an internal kick-off meeting with AECOM Team to review schedule and communication protocol. Facilitate meetings between Owner, Contractor(s), and Stakeholders, including preconstruction meeting, progress meetings (biweekly progress meetings during procurement and weekly construction progress meetings during construction, plus special meetings during Project and during Final Close-out. Pre-construction activity 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: Coordinate 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-builts 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. The RPR services are estimated to be as shown in the descriptions in the fee spread sheets.

- D. Periodic Inspection Services: AECOM construction manager/EOR will provide periodic inspections estimated to be as shown in the descriptions in the fee spread sheets.
- 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 175 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.

Exhibit B																	
Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services																	
Billing Rate:				\$	98	\$	236	\$	270	\$	201	\$	215	\$	128	\$	96
Labor Estimate (Hours)																	
Fee Estimate (\$)																	
Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total				
BASE BID SCHEDULE - A (PHK)																	
1	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	9	36	97	64	32	12	250	\$ 50,349.00	\$ -	\$ 50,349.00				
	A Internal Kick-Off Meeting				1	1	1		2	5	\$ 878		\$ 878				
	A Pre-Construction Conference (Split between 3 AAs)				1	1	1		2	5	\$ 878		\$ 878				
	A Procurement Meetings (2 Meetings)				1	1	1			3	\$ 686		\$ 686				
	A Weekly Progress Meetings and Other Meetings (6 Meetings) (Develop agenda, discussion items, and meeting minutes)					6		6		12	\$ 1,974		\$ 1,974				
	B Prepare Conformed and Executed Contract Documents			1	2	2		8		13	\$ 2,202		\$ 2,202				
	C Review Contractor's MOT Plans				1	8				9	\$ 1,878		\$ 1,878				
	D Review Contractor's Critical Path Schedule (Including updates)				1	3	3			7	\$ 1,518		\$ 1,518				
	E Review Contractor's Survey compared to Design and In Progress Contractors As-Builts (Update Plans as Required)				2	6	6			14	\$ 3,036		\$ 3,036				
	F Review Contractor's Safety and Security Plans				1	2	2			5	\$ 1,102		\$ 1,102				
	G Process Review and Approve Shop Drawings and Submittals			2	2	8	8			20	\$ 4,340		\$ 4,340				
	G Process Review and Approve Shop Drawings and Re-Submittals			1	1	2	2			6	\$ 1,338		\$ 1,338				
	H Interpretation and Clarification of Contract Documents/RFIs			1	4	16	16			37	\$ 7,972		\$ 7,972				
	I Coordinate QA Material Testing					2	2			4	\$ 832		\$ 832				
	J Review QA Material Testing Reports					2	2			4	\$ 832		\$ 832				
	K Maintain Electronic Files					2	2			4	\$ 832		\$ 832				
	L Review Payment Applications					4	2			6	\$ 1,234		\$ 1,234				
	M Preparation of Change Orders, Notices of Non-Compliance etc.			2	4	16	16			38	\$ 8,208		\$ 8,208				
	N Task management and Coordination				2	2			4	8	\$ 1,326		\$ 1,326				
	O As Built Review				6	6		6		18	\$ 3,594		\$ 3,594				
	P Prepare Record Drawings			2	3	3		8		16	\$ 2,909		\$ 2,909				
	Q Project Closeout				4	4		4	4	16	\$ 2,780		\$ 2,780				
2	RPR SERVICES (T&M + REIM.)	Total	0	0	32	74	0	364	0	470	\$70,106.00	\$ -	\$70,106.00				
	A Pre-Construction Survey Validation, Inspection & Photographs					8		8		16	\$ 2,632		\$ 2,632				
	B Review Contractor Daily Reports					6		6		12	\$ 1,974		\$ 1,974				
	C Full Time Inspections (Project Engineer: 7 weeks, 50 hours per week)							350		350	\$ 44,800		\$ 44,800				
	D Periodic Inspections (CM: 7 weeks, 4 hours per week)					28				28	\$ 5,628		\$ 5,628				
	E Review Guarantees, Warranties, Certifications, and O&M Manuals				4	4				8	\$ 1,884		\$ 1,884				
	F Substantial and Final Completion Inspection (Develop Punch List)				8	8				16	\$ 3,768		\$ 3,768				
	G Construction Support Services				20	20				40	\$ 9,420		\$ 9,420				
Total Fee - AECOM Technical Services, Inc.			0	9	68	171		396	12	720	\$120,455.00	\$ -	\$120,455.00				
Subconsultant Fees Task 1.0																	
1	Tierra South Florida (LS)	\$	-											LS	\$50,349.00		
	Tierra South Florida (T&M)	\$	17,299.60											TM	\$87,405.60		
														EXP	\$0		
Total Fee - Subconsultants		\$	17,299.60														
TOTAL FEE - BASIC ENGINEERING SERVICES BID SCHEDULE A				\$137,754.60													

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services

Subconsultant Fees Task 1.0			LS	\$61,129.00
1	Tierra South Florida (LS)	\$ -	TM	\$84,746.00
	Tierra South Florida (T&M)	\$ -	EXP	\$0

Total Fee - Subconsultants	\$.
-----------------------------------	----	---

TOTAL FEE - BASIC ENGINEERING SERVICES BID SCHEDULE B	\$145,875.00
--	---------------------

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services

Prepared by: AECOM Technical Services, Inc.



April 9, 2025

AECOM

7650 West Courtney Campbell Causeway

Tampa, Florida 33607

Attn: Mr. Andrew Kacer, P.E. | Florida Lead - Airports

Email: Andy.Kacer@aecom.com

Phone: (352) 634-4363

Subject: Proposal for Construction Material Testing Services
 General Aviation Airports Pavement Rehabilitation and Relative Work
 (PHK)
 Palm Beach County, Florida
 TSFGeo Proposal No. 2503-162-R2

Dear Mr. Kacer:

As requested, Tierra South Florida, Inc. (TSFGeo) is pleased to submit this proposal for providing Construction Material Testing Services for the PHK Pavement Rehabilitation 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 work generally consists of cold milling and resurfacing asphalt pavement, and pavement markings on Palm Beach County Glades Airport (PHK).

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. TSF 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.

2765 Vista Parkway, Suite 10 • West Palm Beach, Florida 33411

561-687-8536 • www.TSFGeo.com

State of Florida Professional Engineers License # 28073

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 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.
- Inspection of asphalt plant supplier prior to starting asphalt operations.
- Provide senior engineering technician to assist with asphalt plant inspections and testing during initial test section.
- Provide senior engineering technician to assist with asphalt plant 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: \$ 17,299.60

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

FEEES BREAKDOWN

ITEM	Quantity	Rate	Units	Extended
CONSTRUCTION MATERIAL TESTING SERVICES				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	3	\$ 120.00	test	\$ 360.00
LBR	2	\$ 350.00	test	\$ 700.00
Carbonate Content	0	\$ 120.00	test	\$ -
Sieve Analysis	3	\$ 65.00	test	\$ 195.00
Organic Content	3	\$ 50.00	test	\$ 150.00
Atterberg Limits	3	\$ 90.00	test	\$ 270.00
Subtotal				\$ 1,675.00
SOIL / ASPHALT				
Senior Engineering Technciain - Stand by, Sample Pick up	40	\$ 91.68	hour	\$ 3,667.20
Nuclear Density Test -up to five (5) test per trip	15	\$ 140.00	trip	\$ 2,100.00
Additional Density tests (beyond 5 tests)	30	\$ 28.00	each	\$ 840.00
Asphalt Plant Inspector	70	\$ 101.88	hour	\$ 7,131.60
Subtotal				\$ 13,738.80
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	7	\$ 269.40	hour	\$ 1,885.80
Subtotal				\$ 1,885.80
Total Estimated Fees				\$ 17,299.60

General Notes:

Please note the following procedures will apply to our services:

- 1- Field work hours for inspectors are Monday thru Friday, 8:00AM to 5:00PM.
- 2- We need 24 hours notice by contacting our office (561) 687-8536 prior to any site visit.
- 3- We can accommodate weekend inspections if necessary with a minimum of 48 hours notice.
- 4- Field work beyond 8 hours/day, night time and weekends (OT) will be billed at the regular rate times 1.5
- 5- Hours are billed from portal to portal in whole hour increment with a minimum of 3 hours per trip.
- 6- Stand-by time will be billed at hourly rate listed.

AUTHORIZATION

AUTHORIZED BY:	INVOICE TO:
Name:	Firm:
Title:	Name:
Date:	Address:
	Phone :



EXHIBIT A-3

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-3

Miscellaneous Planning, Engineering and Construction Services

**Palm Beach County Park Airport (LNA)
North Palm Beach County General Aviation Airport (F45)
Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation
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-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services Project (Project). The scope of work for this Project includes providing Construction Management (CM), Construction Administration (CA), and Resident Project Representative (RPR) services for this Project.

PROJECT TEAM

The Project Team for these construction services will consist of:

Firm Name (CONSULTANT/SUBCONSULTANT)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	CM/CA/RPR Services
Tierra South Florida, Inc. (TSF) (SUBCONSULTANT)	Material Testing Services
Quantum Electrical Engineering (QEE) (SUBCONSULTANT)	Electrical CM/CA Services

PROJECT OBJECTIVE AND APPROACH

The objective of this Project is to install PAPIs at both LNA and F45, and to install a new beacon at LNA. This Project is being bid with four (4) schedules, due to funding, as follows:

- Schedule A: LNA Beacon Replacement
- Schedule B: LNA PAPI Replacement
- Schedule C: LNA Guidance Signs
- Schedule D: F45 PAPI Replacement

Schedule A: LNA Beacon Replacement includes mobilization, MOT, removal of the existing beacon, and the installation of the new beacon tower at a different location.

Schedule B: LNA PAPI Replacement includes mobilization, MOT, removal and replacement of six (6) PAPIs, and associated electrical work.

Schedule C: LNA Guidance Signs includes mobilization, MOT, two (2) new signs, and the associated electrical work.

Schedule D: F45 PAPI Replacement includes mobilization, MOT, removal and replacement of two (2) PAPIs, and associated electrical work.

Procurement shall consist of materials procurement and mobilization for a period of one hundred fifty (150) Calendar Days from the Notice to Proceed (NTP). Project construction will be for a period of:

Schedule A, B, C (LNA) 57 Calendar Days

Schedule D (F45) 19 Calendar Days

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 ten (10) 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-builts 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. The RPR services are estimated to be 60 hours during the procurement period for pre-construction services such as survey validation and 50 hours a week for 550 hours;

- 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 260 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-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services

Labor Estimate (Hours)											Fee Estimate (\$)			
Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total	
Schedule A: LNA Beacon Replacement														
1.0	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	5	11	40	26	8	6	96	\$19,380.00	\$ -	\$19,380.00	
A	Pre-Construction Conference					1		1	2	5	\$ 736		\$ 736	
A	Weekly Progress Meetings and Other Meetings (3 Meetings Total)					3	1		2	5	\$ 795		\$ 795	
B	Prepare Conformed and Executed Contract Documents			1	1	2		3		7	\$ 1,292		\$ 1,292	
C	Review Contractor's MOT Plans					1	1			2	\$ 416		\$ 416	
D	Review Contractor's Critical Path Schedule					1	1			2	\$ 416		\$ 416	
E	Review Contractor's Survey compared to Design					1	1			2	\$ 416		\$ 416	
F	Review Contractor's Safety and Security Plans					1	1			2	\$ 416		\$ 416	
G	Process Review and Approve Shop Drawings and Submittals			1	1	8	8			18	\$ 3,834		\$ 3,834	
G	Process Review and Approve Shop Drawings and Re-Submittals			1	1	4	4			10	\$ 2,170		\$ 2,170	
H	Interpretation and Clarification of Contract Documents/RFIs			1	1	5	5			12	\$ 2,586		\$ 2,586	
I	Establish and Maintain Project Records				1	2		2		5	\$ 928		\$ 928	
J	Review Applications for Payment					2	2			4	\$ 832		\$ 832	
K	Preparation of Change Orders, Notices of Non-Compliance etc.				1	4				5	\$ 1,074		\$ 1,074	
L	Task management and Coordination				2	2			2	6	\$ 1,134		\$ 1,134	
M	As Built Review				1	1	1			3	\$ 686		\$ 686	
N	Prepare Record Drawings			1	1	1		2		5	\$ 963		\$ 963	
O	Project Closeout				1	1	1			3	\$ 686		\$ 686	
2.0	RPR SERVICES (T&M + REIM.)	Total	0	0	4	34	4	108	0	150	\$22,598.00	\$ -	\$22,598.00	
A	Pre-Construction Survey Validation, Inspection & Photographs					2		4		6	\$ 914		\$ 914	
B	Review Contractor Daily Reports					4				4	\$ 804		\$ 804	
C	Part Time Inspections (10 weeks, 10 hours per week)							100		100	\$ 12,800		\$ 12,800	
D	Periodic Inspections (three inspections 4 hours each)					12				12	\$ 2,412		\$ 2,412	
E	Review Guarantees, Warranties, Certifications, and O&M Manuals				2	4		4		10	\$ 1,856		\$ 1,856	
F	Substantial and Final Completion Inspection					8				8	\$ 1,608		\$ 1,608	
G	Construction Support Services				2	4	4			10	\$ 2,204		\$ 2,204	
Subconsultant Fees Task 1.0														
1	Quantum Electrical Engineering (LS)	LS	\$	4,905.00								LS	\$24,285.00	
	Quantum Electrical Engineering (T&M)	TM										TM	\$30,208.60	
2	Tierra South Florida (LTM)	TM	\$	7,610.60								EXP	\$0	
											Total	\$54,493.60		
Schedule A: LNA Beacon Replacement														

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) -Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services

Labor Estimate (Hours)											Fee Estimate (\$)			
Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total	
Schedule B: LNA PAPI Replacement														
1.0	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	2	20	55	32	20	8	137	\$27,135.00	\$ -	\$27,135.00	
A	Pre-Construction Conference				1	1	1		2	5	\$ 878		\$ 878	
A	Weekly Progress Meetings and Other Meetings (3 Meetings Total)				3	9	3		2	17	\$ 3,456		\$ 3,456	
B	Prepare Conformed and Executed Contract Documents				1	2		8	2	13	\$ 1,888		\$ 1,888	
C	Review Contractor's MOT Plans				1	2				3	\$ 672		\$ 672	
D	Review Contractor's Critical Path Schedule					2	2			4	\$ 832		\$ 832	
E	Review Contractor's Survey compared to Design					2		2		4	\$ 658		\$ 658	
F	Review Contractor's Safety and Security Plans					2				2	\$ 402		\$ 402	
F	Process Review and Approve Shop Drawings and Submittals		1	2	8	8				19	\$ 4,104		\$ 4,104	
G	Process Review and Approve Shop Drawings and Re-Submittals		1	2	4	4				11	\$ 2,440		\$ 2,440	
H	Interpretation and Clarification of Contract Documents/RFIs			2	8	8				18	\$ 3,868		\$ 3,868	
I	Establish and Maintain Project Records			1	2			2		5	\$ 928		\$ 928	
J	Review Applications for Payment				2	2				4	\$ 832		\$ 832	
K	Preparation of Change Orders, Notices of Non-Compliance etc.			1	4	4				9	\$ 1,934		\$ 1,934	
L	Task management and Coordination			2	2				2	6	\$ 1,134		\$ 1,134	
M	As Built Review			1	2			4		7	\$ 1,184		\$ 1,184	
N	Prepare Record Drawings			1	1			4		6	\$ 983		\$ 983	
O	Project Closeout			2	2					4	\$ 942		\$ 942	
2.0	RPR SERVICES (T&M + REIM.)	Total	0	0	7	29	6	282	0	324	\$45,105.00	\$ -	\$45,105.00	
A	Pre-Construction Survey Validation, Inspection & Photographs				1	2		2		5	\$ 928		\$ 928	
B	Review Contractor Daily Reports					4				4	\$ 804		\$ 804	
C	Part Time Inspections (10 weeks, 28 hours per week)							280		280	\$ 35,840		\$ 35,840	
D	Periodic Inspections (three inspections)					9				9	\$ 1,809		\$ 1,809	
E	Review Guarantees, Warranties, Certifications, and O&M Manuals			2	2	2				6	\$ 1,372		\$ 1,372	
F	Substantial and Final Completion Inspection			2	8					10	\$ 2,148		\$ 2,148	
G	Construction Support Services			2	4	4				10	\$ 2,204		\$ 2,204	
Subconsultant Fees Task 1.0														
1	Quantum Electrical Engineering (LS)	LS	\$ 4,940.00								LS	\$32,075.00		
	Quantum Electrical Engineering (T&M)	TM									TM	\$51,722.80		
2	Tierra South Florida (LTM)	TM	\$ 6,617.80								EXP	\$0		
											Total	\$83,797.80		
Schedule B: LNA PAPI Replacement														

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services

Labor Estimate (Hours)												Fee Estimate (\$)			
Task Description			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total		
Schedule C: LNA Guidance Signs															
1.0	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	1	3	19	0	8	0	6	4	41	\$7,737.00	\$ -	\$7,737.00
A	Pre-Construction Conference					1			2			3	\$ 393		\$ 393
A	Weekly Progress Meetings and Other Meetings (2 Meetings Total)				1	2	2					5	\$ 1,102		\$ 1,102
B	Prepare Conformed and Executed Contract Documents			1	1			2				4	\$ 727		\$ 727
C	Review Contractor's MOT Plans					1						1	\$ 201		\$ 201
D	Review Contractor's Critical Path Schedule					1						1	\$ 201		\$ 201
E	Review Contractor's Survey compared to Design					1						1	\$ 201		\$ 201
F	Review Contractor's Safety and Security Plans					1						1	\$ 201		\$ 201
F	Process Review and Approve Shop Drawings and Submittals			1	1	2	2					6	\$ 1,338		\$ 1,338
G	Process Review and Approve Shop Drawings and Re-Submittals					1	1					2	\$ 416		\$ 416
H	Interpretation and Clarification of Contract Documents/RFIs					1						1	\$ 201		\$ 201
I	Establish and Maintain Project Records					1						1	\$ 201		\$ 201
J	Review Applications for Payment					1						1	\$ 201		\$ 201
K	Preparation of Change Orders, Notices of Non-Compliance etc.					1	1					2	\$ 416		\$ 416
L	Task management and Coordination					1	1					2	\$ 416		\$ 416
M	As Built Review					1	1					2	\$ 416		\$ 416
N	Prepare Record Drawings					1		4				5	\$ 713		\$ 713
O	Project Closeout					1			2			3	\$ 393		\$ 393
2.0	RPR SERVICES (T&M + REIM.)	Total	0	0	0	9	0	40	0	49		\$6,929.00	\$ -	\$6,929.00	
A	Pre-Construction Survey Validation, Inspection & Photographs					1						1	\$ 201		\$ 201
B	Review Contractor Daily Reports					1						1	\$ 201		\$ 201
C	Full Time Inspections (10 weeks, 4 hours per week)							40				40	\$ 5,120		\$ 5,120
D	Periodic Inspections (two inspections)					4						4	\$ 804		\$ 804
E	Review Guarantees, Warranties, Certifications, and O&M Manuals					1						1	\$ 201		\$ 201
F	Substantial and Final Completion Inspection					1						1	\$ 201		\$ 201
G	Construction Support Services					1						1	\$ 201		\$ 201
Subconsultant Fees Task 1.0															
1	Quantum Electrical Engineering (LS)	LS	\$	2,255.00										LS	\$9,992.00
	Quantum Electrical Engineering (T&M)	TM												TM	\$10,474.68
2	Tierra South Florida (LTM)	TM	\$	3,545.68										EXP	\$0
											Total	\$20,466.68			
Schedule C: LNA Guidance Signs															

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) -Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services

				Labor Estimate (Hours)						Fee Estimate (\$)					
			Resident Project Representative (RPR)	QC Reviewer	Senior Project Manager	Construction Manager	Senior Engineer	Project Engineer	Clerical	Total	Labor	Expenses	Total		
Task Description															
Schedule D: F45 PAPI Replacement															
1.0	CA/CM SERVICES (LUMP SUM + REIM.)	Total	0	0	16	34	20	8	2	80	\$16,670.00	\$ -	\$16,670.00		
A	Pre-Construction Conference				1	1	1			3	\$ 686		\$ 686		
B	Weekly Progress Meetings and Other Meetings (2 Meetings Total)				2	2	2			6	\$ 1,372		\$ 1,372		
A	Prepare Confirmed and Executed Contract Documents				1			4		6	\$ 983		\$ 983		
C	Review Contractor's MOT Plans					1				1	\$ 201		\$ 201		
D	Review Contractor's Critical Path Schedule					1				1	\$ 201		\$ 201		
E	Review Contractor's Survey compared to Design				1	2				3	\$ 672		\$ 672		
F	Review Contractor's Safety and Security Plans					2				2	\$ 402		\$ 402		
F	Process Review and Approve Shop Drawings and Submittals				2	3	3			8	\$ 1,788		\$ 1,788		
G	Process Review and Approve Shop Drawings and Re-Submittals				1	2	2			5	\$ 1,102		\$ 1,102		
H	Interpretation and Clarification of Contract Documents/RfIs				1	8	8			17	\$ 3,598		\$ 3,598		
I	Establish and Maintain Project Records					2	2			4	\$ 832		\$ 832		
J	Review Applications for Payment					2				2	\$ 402		\$ 402		
K	Preparation of Change Orders, Notices of Non-Compliance etc.				1	2	2			5	\$ 1,102		\$ 1,102		
L	Task management and Coordination				2	2			2	6	\$ 1,134		\$ 1,134		
M	As Built Review				1	1				2	\$ 471		\$ 471		
N	Prepare Record Drawings				1			4		5	\$ 782		\$ 782		
O	Project Closeout				2	2				4	\$ 942		\$ 942		
2.0	RPR SERVICES (T&M + REIM.)	Total	0	0	0	19	2	60	0	81	\$11,929.00	\$ -	\$11,929.00		
A	Pre-Construction Survey Validation, Inspection & Photographs					1	1			2	\$ 416		\$ 416		
B	Review Contractor Daily Reports					2	1			3	\$ 617		\$ 617		
C	Full Time Inspections (3 weeks, 20 hours per week)							60		60	\$ 7,680		\$ 7,680		
D	Periodic Inspections (one (1) inspection)					4				4	\$ 804		\$ 804		
E	Review Guarantees, Warranties, Certifications, and O&M Manuals					2				2	\$ 402		\$ 402		
F	Substantial and Final Completion Inspection					6				6	\$ 1,206		\$ 1,206		
G	Construction Support Services					4				4	\$ 804		\$ 804		
Subconsultant Fees Task 1.0															
1	Quantum Electrical Engineering (LS)	LS	\$	5,195.00							LS	\$21,865.00			
	Quantum Electrical Engineering (T&M)	TM									TM	\$18,791.20			
2	Tierra South Florida (LTM)	TM	\$	6,862.20							EXP	\$0			
												Total	\$40,656.20		

TOTAL COST FOR ALL BID SCHEDULES (A, B, C, AND D)	\$199,414.28
--	---------------------

March 24, 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) – Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services

Dear Andy:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide AECOM an electrical construction administration (CA) Services fee proposal for Palm Beach International Airport (PBI) Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services and is based on 60 days of procurement, 180 days of construction and 30 days of Final Acceptance. The following tasks are included in our scope of services:

Task 1: Construction Administration Services

Schedule A LNA Beacon:

- Includes attending (1) virtual preconstruction kickoff meeting with DOA, AECOM and Contractor.
- Includes developing and delivering electronic conformed documents.
- Includes attending up to (2) virtual construction meetings with DOA, AECOM and Contractor during Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes requests for information (RFI) reviews & approvals.
- Includes change order reviews and comments.
- Includes review of the electrical portion of pay applications.
- Includes (2) periodic site observation visits up to (3) hours per visit. Quantities to be measured and recorded by AECOM RPR.
- Includes substantial and final completion inspections.
- Includes development of record drawings based on Contractor "Red Line Plan Mark-ups" and review of closeout documents.

Schedule B LNA PAPI:

- Includes attending up to (3) virtual construction meetings with DOA, AECOM and Contractor during Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes requests for information (RFI) reviews & approvals.
- Includes change order reviews and comments.
- Includes review of the electrical portion of pay applications.

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

www.QuantumElectricalEngineering.com

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

- Includes (3) periodic site observation visits up to (3) hours per visit. Quantities to be measured and recorded by AECOM RPR.
- Includes substantial and final completion inspections.
- Includes development of record drawings based on Contractor "Red Line Plan Mark-ups" and review of closeout documents.

Schedule C LNA Guidance Signs:

- Includes attending up to (2) virtual construction meetings with DOA, AECOM and Contractor during Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes requests for information (RFI) reviews & approvals.
- Includes change order reviews and comments.
- Includes review of the electrical portion of pay applications.
- Includes (1) periodic site observation visits up to (3) hours per visit. Quantities to be measured and recorded by AECOM RPR.
- Includes substantial and final completion inspections.
- Includes development of record drawings based on Contractor "Red Line Plan Mark-ups" and review of closeout documents.

Schedule D F45 PAPI:

- Includes attending up to (3) virtual construction meetings with DOA, AECOM and Contractor during Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes requests for information (RFI) reviews & approvals.
- Includes change order reviews and comments.
- Includes review of the electrical portion of pay applications.
- Includes (2) periodic site observation visits up to (3) hours per visit. Quantities to be measured and recorded by AECOM RPR.
- Includes substantial and final completion inspections.
- Includes development of record drawings based on Contractor "Red Line Plan Mark-ups" and review of closeout documents.

Our proposed total Lump-Sum fee for Schedule A:	\$4,905.00
Our proposed total Lump-Sum fee for Schedule B:	\$4,940.00
Our proposed total Lump-Sum fee for Schedule C:	\$2,255.00
Our proposed total Lump-Sum fee for Schedule D:	\$5,195.00
Total	\$ 17,295.00

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

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - LNA Beacon and LNA/F45 PAPI Replacement CA SERVICES QUANTUM ELECTRICAL ENGINEERING, INC. SCOPE FEE SUMMARY FEE PROPOSAL ELECTRICAL CA to AE 3/24/25									
	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
Schedule A: LNA Beacon Replacement									
Pre-Construction Kickoff Meeting		1			1		2		\$290.00
Prepare Conformed Documents				1			1		\$85.00
Review and Approve Shop Drawings		6					6		\$900.00
On-Site Periodic Observation Visits (2 visits @ 3hrs ea)					6		6		\$840.00
Construction Coordination Meetings (up to 2 meetings)		2			2		4		\$580.00
Respond to Requests for Information (RFI)		2		4		2	8		\$740.00
Change Orders		1		1	1		3		\$375.00
Pay Applications					2		2		\$280.00
Substantial Completion					2		2		\$280.00
Final Completion		2					2		\$300.00
Prepare Record Documents		1		1			2		\$235.00
Subtotal	0	15	0	7	14	2	38		\$4,905.00
Schedule B: LNA PAPI Replacement									
Review and Approve Shop Drawings		4					4		\$600.00
On-Site Periodic Observation Visits (3 visits @ 3hrs ea)					9		9		\$1,260.00
Construction Coordination Meetings (up to 3 meetings)		3			3		6		\$870.00
Respond to Requests for Information (RFI)		2		4		2	8		\$740.00
Change Orders		1		1	1		3		\$375.00
Pay Applications					2		2		\$280.00
Substantial Completion					2		2		\$280.00
Final Completion		2					2		\$300.00
Prepare Record Documents		1		1			2		\$235.00
Subtotal	0	13	0	6	17	2	38		\$4,940.00
Schedule C: LNA Guidance Signs									
Review and Approve Shop Drawings		1					1		\$150.00
On-Site Periodic Observation Visits (1 visits @ 3hrs ea)					3		3		\$420.00
Construction Coordination Meetings (up to 2 meetings)		2			2		4		\$580.00
Respond to Requests for Information (RFI)							0		\$0.00
Change Orders		1					1		\$150.00
Pay Applications					1		1		\$140.00
Substantial Completion					2		2		\$280.00
Final Completion		2					2		\$300.00
Prepare Record Documents		1		1			2		\$235.00
Subtotal	0	7	0	1	8	0	16		\$2,255.00
Schedule D: F45 PAPI Replacement									
Pre-Construction Kickoff Meeting		1					1		\$150.00
Prepare Conformed Documents				1			1		\$85.00
Review and Approve Shop Drawings		4					4		\$600.00
On-Site Periodic Observation Visits (2 visits @ 3hrs ea)					6		6		\$840.00
Construction Coordination Meetings (up to 3 meetings)		3			3		6		\$870.00
Respond to Requests for Information (RFI)		2		4		2	8		\$740.00
Change Orders		1		1	1		3		\$375.00
Pay Applications					1		1		\$140.00
Substantial Completion					4		4		\$560.00
Final Completion		4					4		\$600.00
Prepare Record Documents		1		1			2		\$235.00
Subtotal	0	16	0	7	15	2	40		\$5,195.00
Grand Total Hours	0	51	0	21	54	6	132		
Grand Total Labor Cost	\$0.00	\$7,650.00	\$0.00	\$1,785.00	\$7,560.00	\$300.00			\$17,295.00



April 7, 2025

AECOM
7650 West Courtney Campbell Causeway
Tampa, Florida 33607
Attn: Mr. Andrew Kacer, P.E. | Florida Lead - Airports
Email: Andy.Kacer@aecom.com
Phone: (352) 634-4363

Subject: Proposal for Construction Material Testing Services
LNA and F45 PAPI and LNA Beacon Replacement
Palm Beach County, Florida
TSFGeo Proposal No. 2504-200

Dear Mr. Kacer:

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 consists of replacement of the six PAPI systems at LNA and four PAPI system at F45 with new current powered PAPI systems and the associated new conductor/conduit and electric vault modifications required. The project also consists of two new airfield guidance signs and the removal and replacement of the airport rotating beacon tower at LNA.

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. TSF 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

Sampling and Laboratory Testing

- Provide Modified Proctor values on structural fill, footings, slab and backfill material, as required.
- Provide LBR tests on subgrade and base materials.
- Test compressive strength concrete cylinders for foundations, slabs, sidewalks, curbs and miscellaneous.

Construction Materials Testing

- Perform In-Place-Density testing on structural fill, footings, slab, subgrade, base and backfill material as needed
- Conduct slump, and temperature testing on concrete
- Mold compressive strength test cylinders (4 cylinders per set)

PROFESSIONAL SERVICES

- Professional Engineer registered in the State of Florida, to supervise field and laboratory activities, review and sign/seal daily 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:

- Schedule A – LNA Beacon Replacement \$ 7,610.60
- Schedule B – LNA PAPI Replacement \$ 6,617.80
- Schedule C – LNA Guidance Signs \$ 3,545.68
- Schedule D – F45 PAPI Replacement \$ 6,862.20

Total Estimated Cost for Construction Material Testing Services: \$ 24,636.28

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

FEEES BREAKDOWN

SCHEDULE A – LNA BEACON REPLACEMENT

ITEM	Quantity	Rate	Units	Extended
CONSTRUCTION MATERIAL TESTING SERVICES				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	3	\$ 120.00	test	\$ 360.00
LBR	1	\$ 350.00	test	\$ 350.00
Carbonate Content	1	\$ 120.00	test	\$ 120.00
Sieve Analysis	4	\$ 115.00	test	\$ 460.00
Organic Content	3	\$ 50.00	test	\$ 150.00
Atterberg Limits	3	\$ 90.00	test	\$ 270.00
Subtotal				\$ 1,710.00
SOIL / CONCRETE				
Senior Engineering Techniciain - Stand by, Sample Pick up	20	\$ 91.68	hour	\$ 1,833.60
Nuclear Density Test -up to five (5) test per trip	10	\$ 140.00	trip	\$ 1,400.00
Additional Density tests (beyond 5 tests)	15	\$ 28.00	each	\$ 420.00
Concrete Compression Test (Prepare cylinders & slupm test on site & deliver to lab)	6	\$ 150.00	set	\$ 900.00
Additional Concrete Cylinders	0	\$ 20.00	each	\$ -
Slump Test	0	\$ 15.00	each	\$ -
Air Content Test	0	\$ 25.00	each	\$ -
Subtotal				\$ 4,553.60
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	5	\$ 269.40	hour	\$ 1,347.00
Subtotal				\$ 1,347.00
Total Estimated Fees - Schedule A				\$ 7,610.60

SCHEDULE B – LNA PAPI Replacement

ITEM	Quantity	Rate	Units	Extended
CONSTRUCTION MATERIAL TESTING SERVICES				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	2	\$ 120.00	test	\$ 240.00
LBR	1	\$ 350.00	test	\$ 350.00
Carbonate Content	1	\$ 120.00	test	\$ 120.00
Sieve Analysis	3	\$ 115.00	test	\$ 345.00
Organic Content	3	\$ 50.00	test	\$ 150.00
Atterberg Limits	3	\$ 90.00	test	\$ 270.00
Subtotal				\$ 1,475.00
SOIL / CONCRETE				
Senior Engineering Techniciain - Stand by, Sample Pick up	15	\$ 91.68	hour	\$ 1,375.20
Nuclear Density Test -up to five (5) test per trip	13	\$ 140.00	trip	\$ 1,820.00
Additional Density tests (beyond 5 tests)	15	\$ 28.00	each	\$ 420.00
Concrete Compression Test (Prepare cylinders & slupm test on site & deliver to lab)	3	\$ 150.00	set	\$ 450.00
Additional Concrete Cylinders	0	\$ 20.00	each	\$ -
Slump Test	0	\$ 15.00	each	\$ -
Air Content Test	0	\$ 25.00	each	\$ -
Subtotal				\$ 4,065.20
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	4	\$ 269.40	hour	\$ 1,077.60
Subtotal				\$ 1,077.60
Total Estimated Fees - Schedule B				\$ 6,617.80

Schedule C – LNA Guidance Signs

ITEM	Quantity	Rate	Units	Extended
CONSTRUCTION MATERIAL TESTING SERVICES				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	2	\$ 120.00	test	\$ 240.00
LBR	0	\$ 350.00	test	\$ -
Carbonate Content	0	\$ 120.00	test	\$ -
Sieve Analysis	2	\$ 115.00	test	\$ 230.00
Organic Content	2	\$ 50.00	test	\$ 100.00
Atterberg Limits	2	\$ 90.00	test	\$ 180.00
Subtotal				\$ 750.00
SOIL / CONCRETE				
Senior Engineering Techniciain - Stand by, Sample Pick up	6	\$ 91.68	hour	\$ 550.08
Nuclear Density Test -up to five (5) test per trip	5	\$ 140.00	trip	\$ 700.00
Additional Density tests (beyond 5 tests)	6	\$ 28.00	each	\$ 168.00
Concrete Compression Test (Prepare cylinders & slupm test on site & deliver to lab)	2	\$ 150.00	set	\$ 300.00
Additional Concrete Cylinders	0	\$ 20.00	each	\$ -
Slump Test	0	\$ 15.00	each	\$ -
Air Content Test	0	\$ 25.00	each	\$ -
Subtotal				\$ 1,718.08
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	4	\$ 269.40	hour	\$ 1,077.60
Subtotal				\$ 1,077.60
Total Estimated Fees - Schedule C				\$ 3,545.68

Schedule D – F45 PAPI Replacement

ITEM	Quantity	Rate	Units	Extended
CONSTRUCTION MATERIAL TESTING SERVICES				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	3	\$ 120.00	test	\$ 360.00
LBR	1	\$ 350.00	test	\$ 350.00
Carbonate Content	1	\$ 120.00	test	\$ 120.00
Sieve Analysis	4	\$ 115.00	test	\$ 460.00
Organic Content	3	\$ 50.00	test	\$ 150.00
Atterberg Limits	3	\$ 90.00	test	\$ 270.00
Subtotal				\$ 1,710.00
SOIL / CONCRETE				
Senior Engineering Techniciain - Stand by, Sample Pick up	15	\$ 91.68	hour	\$ 1,375.20
Nuclear Density Test -up to five (5) test per trip	10	\$ 140.00	trip	\$ 1,400.00
Additional Density tests (beyond 5 tests)	10	\$ 28.00	each	\$ 280.00
Concrete Compression Test (Prepare cylinders & slupm test on site & deliver to lab)	5	\$ 150.00	set	\$ 750.00
Additional Concrete Cylinders	0	\$ 20.00	each	\$ -
Slump Test	0	\$ 15.00	each	\$ -
Air Content Test	0	\$ 25.00	each	\$ -
Subtotal				\$ 3,805.20
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineering	5	\$ 269.40	hour	\$ 1,347.00
Subtotal				\$ 1,347.00
Total Estimated Fees - Schedule D				\$ 6,862.20

General Notes:

Please note the following procedures will apply to our services:

- 1- Field work hours for inspectors are Monday thru Friday, 8:00AM to 5:00PM.
- 2- We need 24 hours notice by contacting our office (561) 687-8536 prior to any site visit.
- 3- We can accommodate weekend inspections if necessary with a minimum of 48 hours notice.
- 4- Field work beyond 8 hours/day, night time and weekends (OT) will be billed at the regular rate times 1.5
- 5- Hours are billed from portal to portal in whole hour increment with a minimum of 3 hours per trip.
- 6- Stand-by time will be billed at hourly rate listed.

AUTHORIZATION

AUTHORIZED BY:	INVOICE TO:
Name:	Firm:
Title:	Name:
Date:	Address:
	Phone :



EXHIBIT A-4

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-4

Miscellaneous Planning, Engineering and Construction Services

Palm Beach International Airport (PBI)

North Palm Beach County General Aviation Airport (F45)

Palm Beach County Park Airport (LNA)

Palm Beach County Glades Airport (PHK)

Task I-25-DOA-A-041: Miscellaneous Planning & Engineering Services

OVERVIEW

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for Task I-25-DOA-A-041: Miscellaneous Planning & Engineering Services Project (Project).

PROJECT TEAM

Firm Name (CONSULTANT / SUBCONTRACTOR)	Type of Services
AECOM Technical Services, Inc. (CONSULTANT)	Miscellaneous As-Needed Support

AECOM will assist the DOA with general aviation planning support tasks for the four (4) DOA airports that are frequently requested and typically require only a few hours/days of effort and are required in a short timeframe. The specific tasks expected to be developed are described below:

SCOPE OF WORK

- 01: The DOA periodically requests the CONSULTANT to conduct Independent Fee Estimates (IFE) on various projects varying in size and scope of work. AECOM will submit an initial Independent Fee Estimate (Cover Letter plus Spreadsheet) for each task, followed by clarifications of our reasoning for developing our associated fees.
- 02: AECOM will assist the DOA with miscellaneous planning, programming, and engineering support services for various tasks at the DOA airports and

associated properties. These tasks typically include updating planning maps and sketches, evaluating and providing recommendations for small miscellaneous assignments, preparing preliminary cost estimates, and other miscellaneous tasks.

- 03: This task also includes developing general project scopes of work and rough order of magnitude budget estimates for DOA use in the planning, engineering, and programming of upcoming design and construction projects.

PROJECT SCHEDULE

The schedule for each of these tasks will vary.

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-DOA-A-041 Miscellaneous Planning & Engineering Services

		Labor Estimate (Hours)								Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Engineer	Clerical	Total	Labor	Expenses	Total
Task I-25-DOA-A-041 Miscellaneous Planning & Engineering Services	Total	0	0	75	35	73	89	0	0	272	\$50,000	\$0	\$50,000
01 Independent Fee Estimates (IFE)				20		28	30			78	\$12,854	\$0	\$12,854
02 Miscellaneous Programming and Engineering				25	21	24	30			100	\$19,047	\$0	\$19,047
03 Programming for Upcoming Tasks				30	14	21	29			94	\$18,099	\$0	\$18,099
Total Fee - AECOM Technical Services, Inc.		0	0	75	35	73	89	0	0	272	\$ 50,000	0	\$ 50,000
Subconsultant Fees Task 1.0													
										Task 1.0 (Lump Sum)	\$0		
										Task 2.0 (Time & Material)	\$50,000		
										Expenses	\$0		
										Total	\$50,000		
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES		\$ 50,000											
Prepared by: AECOM Technical Services, Inc.													

AECOM Technical Services, Inc.
7650 West Courtney Campbell Causeway
Tampa, FL 33607. Phone: 813-636-2425 Fax: 813-287-8591



EXHIBIT A-5

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-5

Miscellaneous Architectural, Planning, Engineering and Construction Services

**Palm Beach International Airport (PBIA)
North Palm Beach County General Aviation Airport (F45)
Palm Beach County Park Airport (LNA)
Palm Beach County Glades Airport (PHK)
Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services**

OVERVIEW

The Palm Beach Department of Airports (DOA) has requested AECOM Technical Services, Inc. (AECOM) to develop this Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services to support the DOA for their four (4) airports: Palm Beach International Airport (PBIA), North Palm Beach County General Aviation Airport (F45), Palm Beach County Park Airport (LNA), Palm Beach County Glades Airport (PHK). The focus is on ensuring proactive construction management, rigorous review of construction project documentation, and seamless close-out, all while enhancing DOA’s management capabilities.

PROJECT TEAM

The Project Team will consist of:

Firm Name (CONSULTANT / SUBCONTRACTOR)	Type of Services
AECOM Technical Services, Inc. (CONSULTANT)	Task Management
CES Consultants, Inc. (CES) (SUB CONSULTANT)	Construction Management (CM) Support Services

PROJECT OBJECTIVE AND APPROACH

The scope of work for this Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services includes providing CM support services to the DOA for their four (4) airports: Palm Beach International Airport (PBIA), North Palm Beach County General Aviation Airport (F45), Palm Beach County Park Airport (LNA), Palm Beach County Glades Airport (PHK). This support will be provided by a Construction Manager who will perform the following services, as an extension of staff to the DOA:

- **Efficient Project Delivery:** Ensure that construction projects adhere to defined timelines, budgets, and performance standards.

- Risk Mitigation: Identify, document, and proactively mitigate potential risks through early coordination and rigorous on-site oversight.
- Stakeholder Alignment: Enhance communication between DOA, contractors, consultants, and other parties through structured coordination meetings, transparent reporting, and document reviews.
- Quality Compliance: Ensure that all work meets DOA standards and regulatory requirements through disciplined quality control and comprehensive documentation.

See detailed attached detailed scope of work.

PROJECT SCHEDULE

AECOM is scheduled to complete this project within seven (7) months, following receipt of the Notice to Proceed.

PROJECT DELIVERABLES

There are no Project Deliverables for this Project.

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. In the event that the DOA and the AECOM believe it to be in the best interests of the Project that additional CM 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.
3. 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.

Exhibit B														
Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) -Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services														
Billing Rate:		\$	340	\$	236	\$	270	\$	215	\$	128	\$	75	\$ 87 \$ 96
Labor Estimate (Hours)										Fee Estimate (\$)				
	Principal	QC Reviewer	Senior Project Manager	Project Manager	Project Engineer	Senior CADD Designer	Geologist Technician	Clerical	Total	Labor	Expenses			Total
Task Management and Coordination			24		16			50	90	\$13,328	\$ -	\$ -		\$13,328
	0	0	24	0	16	0	0	50	90	13,328	0			13,328
										LS \$ 13,328				
										TM \$ 196,000				
CES Consultants, Inc. (CES)										EXP \$ 1,000				
										\$210,328.00				
TOTAL										\$210,328.00				



April 5th, 2025

Palm Beach County Department of Airports
ATTN. Andrew Kacer, PE
Florida Lead – Airports, AECOM
7650 West Courtney Campbell Causeway
Tampa, FL 33607

DELIVERED VIA E-MAIL

**Subject: PBCDOA Construction Management Support Proposal for
Task I-25-DOA-A-042 PBI DOA Construction Management (CM) Support Services**

Dear Mr. Kacer,

CES Consultants, Inc. (CES) is pleased to submit this proposal to provide a Construction Manager to support your organization under Task I-25-DOA-A-042 PBI DOA Construction Management (CM) Support Services. CES appreciates the opportunity to provide services to you and the Palm Beach County Department of Airports under your contract. We are eager to deliver the best of our services to ensure successful completion of the Projects.

PROJECT OBJECTIVE, APPROACH, AND SCOPE

The purpose of Task I-25-DOA-A-042 – Palm Beach County Department of Airports (DOA) Construction Management (CM) Support Services is to provide integrated, on-site CM oversight across the DOA's four airport assets. The focus is on ensuring proactive construction management, rigorous review of construction project documentation, and seamless close-out, all while enhancing DOA's management capabilities.

OBJECTIVES

- **Efficient Project Delivery:** Ensure that construction projects adhere to defined timelines, budgets, and performance standards.
- **Risk Mitigation:** Identify, document, and proactively mitigate potential risks through early coordination and rigorous on-site oversight.
- **Stakeholder Alignment:** Enhance communication between DOA, contractors, consultants, and other parties through structured coordination meetings, transparent reporting, and document reviews.
- **Quality Compliance:** Ensure that all work meets DOA standards and regulatory requirements through disciplined quality control and comprehensive documentation.

APPROACH & SCOPE OF SERVICES

CES support will be provided by a CES Construction Manager (CM) who will perform the following services, as an extension of staff to the DOA:

- **The CM's responsibilities span the following airports:**
 - **Palm Beach International Airport (PBI):** Primary base for on-site activities
 - North Palm Beach County General Aviation Airport (F45)
 - Palm Beach County Park Airport (LNA)
 - Palm Beach County Glades Airport (PHK)
- **Key Responsibilities**
 1. **Pre-Construction and Coordination:**
 - **Meetings:** Facilitate pre-construction, progress, and coordination meetings among the Contractor, appropriate DOA staff, consultants, and key stakeholders to ensure alignment on project goals and timelines.
 - **Document & Design Review:** Critically evaluate design plans, technical specifications, and contractor schedules against DOA standards. Utilize standardized checklists and review criteria to ensure all submitted plans and preliminary project documents are in strict compliance with the contract, DOA standards and regulatory requirements.
 - **Planning Oversight:** Actively review design plans, project specifications, and the contractor's schedule to preemptively identify and address potential issues. Set baseline schedules and performance metrics, drawing on AECOM tools and software that enhance tracking and future forecasting.
 2. **Active Construction Management (Execution Phase):**
 - **On-Site Oversight:** Conduct daily monitoring of assigned projects at PBI, and scheduled oversight visits to F45, LNA, and PHK to track progress, safety, and quality. Maintain an active, real-time communications log and risk register to promptly address issues that arise.
 - **Risk & Quality Management:** Implement a risk register to document potential issues and outline mitigation strategies. Execute a quality assurance/control plan that includes periodic performance audits, compliance checks, and adherence to safety standards.
 - **Stakeholder Communication:** Schedule and lead progress and coordination meetings; distribute concise status reports anchored by key performance indicators (KPIs) to be agreed with AECOM and DOA. Facilitate streamlined communication between contractors, DOA representatives, and external consultants to ensure alignment on project goals.
 3. **Construction Phase Document and Contract Review:**
 - **Construction Administration:** Administer the Construction Contract and monitor and verify the Contractor's works have received all requisite inspections to be performed by DOA Inspectors such that the Project is

constructed in conformity with the plans, specifications, and special provisions of the Construction Contract.

- **Field Inquiries:** Evaluate and add input on Requests for Information, Job Memoranda, and other field-generated inquiries, ensuring clarity and prompt resolution.
- **Contractual Documents:** Critically review Contracts, Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives, and Notices of Non-Compliance to safeguard DOA's interests and maintain project integrity.
- **Record Drawings:** Monitor that record drawing mark-ups are properly maintained by the Contractor. Review the record drawing mark-ups as deemed necessary by the DOA. Contractor's failure to maintain the record drawings in up-to-date condition may be deemed grounds for withholding Contractor's monthly payment requisitions until the record drawings are brought up to date. Notify the DOA if it considers the mark-up documents insufficient. DOA shall make the final determination of payment withholding.

4. Project Close-Out:

- **Close-Out Procedures:** Oversee all close-out processes, including the development of Record Documents and the execution of Substantial and Final Inspections.
- **Project Transition:** Facilitate additional project-related close-out activities to secure a smooth transition and proper documentation.

PROJECT DELIVERABLES

There are no formal project deliverables; however, all management and oversight activities will be comprehensively documented to ensure accountability and provide a clear record of project actions and outcomes. The following outputs are essential for ensuring transparency and accountability:

- **Pre-Construction Package:** Pre-construction meeting minutes, baseline schedules, and design review reports (Quality Review Forms).
- **Progress Reports:** Regular (weekly/daily) updates, onsite logs, risk register updates, and quality/compliance audit results.
- **Close-Out Documentation:** Complete record documents, final inspection certificates, and a final comprehensive close-out report summarizing project performance and learnings.

PROJECT SCHEDULE

CM is scheduled to perform the CM Support Services for approximately 210 calendar days following receipt of the Notice to Proceed for this task. The level of effort for one (1) full-time equivalent (FTE) over the 210-day period is estimated at a maximum of 1120 hours.

FEE AND INVOICING

Fee: CES is pleased to provide the above-mentioned Services for the **Not-to-Exceed (NTE) Fee of \$197,000.00** as detailed in Exhibit A.

Invoicing: Time and expenses will be billed at actual hours and expenses. Actual Hours worked and documented reimbursable expenses will be invoiced monthly. Work will be performed up to the NTE fee, unless the DOA requests and approves additional services subject to mutual agreement and the availability of funding.

CES truly appreciates the opportunity to work with you and PBC DOA. We look forward to meeting or exceeding your expectations.

Sincerely,
CES CONSULTANTS, INC.



Charles Moseley
Senior Vice-President / Director of PMCM Services

Enclosure(s): As stated.

cc: CES President Juan Alfonso, AIA, NCARB, CCM
CM Erica Taylor
File

EXHIBIT A
DETAILED ESTIMATE


<div><div></div><div>Date: 4/5/2025</div></div>				
CONSULTANTS PBC DOA Task I-25-DOA-A-042 PBI DOA Construction Management (CM) Support Services				
LABOR				
Role	Name	Bill Rate	Inspection Services	
			Hrs	Labor
Construction Manager	Erica Taylor	\$ 175.00	1120	\$ 196,000.00
				\$ -
				\$ -
				\$ -
				\$ -
Labor Subtotals			0	\$ 196,000.00
EXPENSES				
Expense Type			Expenses	
			Cost	
Mileage			\$ 1,000.00	
Expense Subtotals			\$ 1,000.00	
TOTAL LABOR AND EXPENSES			\$ 197,000.00	



EXHIBIT A-6

PALM BEACH DOA GENERAL CONSULTING SERVICES

EXHIBIT A-6

Miscellaneous Planning, Engineering and Construction Services

**Palm Beach County Glades Airport (PHK)
Task I-25-PHK-A-043 PHK Drainage Improvements**

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-PHK-A-043 PHK Drainage Improvements Project (Project) at PHK. The scope of work for this Project includes developing design/bid documents to improve drainage and obtain SFWMD Permits for the proposed work that is shown at the end of this scope document.

PROJECT TEAM

The Project Team for these construction services will consist of:

Firm Name (CONSULTANT/SUBCONSULTANT)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	Project Management/Design Services
Chen Moore and Associates (CMA) (SUBCONSULTANT)	Drainage/Permitting Services
Tierra South Florida, Inc. (TSF) (SUBCONSULTANT)	Geotechnical Services
Brown and Phillips (BP) (SUBCONSULTANT)	Surveying and Utility Locations

PROJECT OBJECTIVE AND APPROACH

The CONSULTANT will prepare Construction Documents (CDs) for design services of the Project. The construction of the taxiway connector shall be in accordance with Florida Department of Transportation (FDOT), and SFWMD requirements. The project geometric design and layout will be based on FAA AC 150/5300-13B, Change 1, Airport Design Standards.

In addition to the overall design of the drainage swale, the CONSULTANT will provide basic services including site grading, drainage, construction phasing, survey, utility

locations, geotechnical engineering, and permitting services. A brief overview of pertinent tasks to be performed by the CONSULTANT for the Project include:

- Attend One (1) DOA Design Kick-Off Meeting and prepare meeting minutes;
- Coordinate One (1) Internal Design Team Kick-Off meeting;
- Coordinate Data Collection, Records Research and Review of As-Built information;
- Field Coordination Meetings (at beginning of survey and throughout geotechnical services);
- Perform project site investigations: Existing Conditions Analysis for Pavement/Electrical/Drainage Systems, Utility Locations and Clearances, and accompany Geotechnical Investigations;
- Prepare PowerPoint Presentations, sketches and agenda for meetings (as applicable);
- Validate Program Cost Estimate;
- Facilitate Design Coordination meetings via conference calls and webinars;
- Prepare 60%, 90% and 100% Contract Documents, General Provisions, Technical Specifications, Drawings, Project Schedule, Engineer's Report, Cost Estimates, and Submit Permitting Documents to SFWMD.
- Attend Four (4) DOA Submittal Review Meetings. Prepare meeting agenda and meeting minutes (60%, 90%, and 100% Contract Documents);
- Task Management/Task Administration – Coordination with DOA, FAA, DOA Operations, Permitting Agencies (if applicable), Subconsultants, and other stakeholders;
- Provide Quality Assurance for all deliverables;
- Task Management;
- Task Coordination (FDOT, DOA Operations, SFWMD, Other Consultants, and other interested project stakeholders); and,
- Construction Administration Services and Resident Project Representative Services will not be included in this task authorization.

SCOPE OF SERVICES

Our scope of services will follow one distinct phase: Phases 1, consisting of of three (3) design subphases: sixty percent (60%) design completion of the Contract Documents (Phase 1A); ninety percent (90%) design completion (Phase 1B); and final design completion (100%) of the Contract Documents (Phase 1C).

A brief definition for each of the Phases included in the scope of services is provided below:

PHASE 1A -CONSULTANT will develop the Contract Documents to a predetermined completion milestone (60% of completion). CONSULTANT will develop the Program Costs and prepare Schedule/Phasing Plans.

PHASE 1B -CONSULTANT will develop the Contract Documents to 90% completion to allow the Project to be reviewed and preliminarily submitted for applicable permitting agencies. CONSULTANT will update Program Costs, Schedule and Phasing Plans.

PHASE 1C -CONSULTANT will complete the Contract Documents to 100% completion to allow the Project to be permitted, bid, and constructed. CONSULTANT will prepare the Final Program Cost Estimate, Schedule and Phasing Plans.

PHASE 2 -CONSULTANT will assist the DOA in obtaining Bids and in the Award of a Construction Contract, as required.

The following paragraphs summarize the CONSULTANT'S Basic Services for Phases 1 and 2:

1.0 PHASE 1A – 60% CONTRACT DOCUMENTS

The CONSULTANT will prepare a presentation/agenda for the Project's Kick Off meeting. All key stakeholders will be invited to this meeting: DOA/Airport Staff, CONSULTANT'S key staff; and Subconsultants. The Kick-Off meeting's discussion items will include: stakeholder identifications, project limits, safety and operational impacts, permitting, design services, design standards, schedule, budget and construction constraints. The CONSULTANT will prepare and distribute the meeting minutes which will highlight outstanding action items and meeting details. Immediately following the Kick-Off Meeting, field investigative services associated with the survey and geotechnical services will begin. All airfield investigative services will be coordinated with DOA Operations prior to beginning work.

The CONSULTANT will prepare the following as a part of Phase 1A:

1.1. Documents Data Collection and Records Research

The Consultant will review existing DOA designs, as-builts, record drawings, and information regarding the proposed Project components and gather information for use during subsequent design phases. All pertinent record documents associated with the Project and adjacent areas will be obtained from the DOA records database.

1.2. Field Investigative Services and Design Development

1.2.1 Site Evaluation

The AECOM Team will perform two site visits to evaluate the existing conditions and collect data. Our presence on site will include at the beginning of the topographic survey and throughout the geotechnical investigations. The AECOM Team will evaluate the existing condition of

the adjacent roadways, pavement, lighting, drainage infrastructure, and any other above ground infrastructure within the project limits.

1.2.2 Topographic Survey and Utility Locates

B&P will perform the surveying services for this task. The major components of the survey are the development of a topographic survey within the area shown on the Exhibit. The topographic survey will obtain data including: adjacent roadways, ground, pavement, utilities, and drainage structures. The points on paved and unpaved surfaces will be taken at grid sufficient to adequately define the Project grading and surface features. B&P will also perform utility clearances for the geotechnical data collection. See the attached B&P scope and fee for a more detailed description of the B&P services.

1.2.3 Geotechnical/subsurface investigations

TSF will perform the geotechnical/subsurface investigations services for this contract, specifically tailored to the design of the Project. The major components of the geotechnical/subsurface investigations services include the following items:

- Five (5) Hand Auger Borings to 5 feet
- Five (5) Standard Penetration Tests (SPT) boring to 10 feet.

1.2.4 Grading and Drainage Design/Permitting

AECOM will prepare the grading and drainage plans in accordance with the latest FDOT standards. The existing drainage system will be examined and evaluated for conformance with the standards. Additionally, any modification or additions/reductions to the system based will be evaluated to ensure that there are no negative hydraulic impacts to the adjacent system. A permit will be obtained through the SFWMD.

1.3. The 60% Plans will include, but are not limited to:

1. Cover Sheet (60%).
2. Drawings Index (60%).
3. Summary of Quantities/General Notes (60%).
4. Haul Route, Staging, and Storage Area Plan (60%).
5. Overall Phasing Plan (60%).
6. Individual Work Area Phasing Plans (60%).
7. Phasing Plans, Details and Maintenance of Traffic (60%).
8. Survey Control Plan (60%).
9. Existing Conditions Plan (60%).
10. Demolition Plans (60%).
11. Typical Sections (60%).
12. Grading Plans (60%).

13. Drainage Plans (60%).
14. Drainage Details (60%).
15. Stormwater Pollution Prevention Plans (60%).
16. Stormwater Pollution Prevention Notes and Details (60%).
17. Miscellaneous Details (60%).

The CONSULTANT will prepare and submit a Construction Schedule and estimate of probable Project Program Costs thru Construction.

1.4. Meetings

The CONSULTANT will attend the following meetings during this Phase:

- a. Design K.O. Meeting;
- b. Team Coordination Meetings;
- c. Regulatory permitting agencies meetings, as applicable; and
- d. One (1) DOA Review Submittal Meeting.

The CONSULTANT will submit pdf copies of all Contract Documents required under this Phase 1A for review comments and approval by the DOA.

1.5. Deliverables

The CONSULTANT will deliver the following major Deliverables (pdf):

- a. K.O. Meeting Minutes;
- b. Topographic Survey;
- c. Geotechnical Report;
- d. Meeting minutes from all applicable meetings of this Phase;
- e. Regulatory permitting agencies documentation;
- f. 60% Drawings;
- g. 60% Technical Specifications;
- h. 60% Construction Safety and Phasing Plan;
- i. 60% Project Cost Estimates;
- j. 60% Project Schedule; and,
- k. 60% Geotechnical Report.

1.6. Schedule

The anticipated duration of this phase is 60 calendar days.

2.0 PHASE 1B - 90% SUBMITTAL

Following the 60% Complete Contract Documents approval the CONSULTANT will develop 90% Complete Contract Documents from the approved 60% Complete Contract Documents. These 90% documents will consist of the information contained in the 60% documents, as well as incorporate any comments provided by the DOA, Permit Agencies, or other authorized reviewers, as directed by DOA.

2.1 The 90% Plans will include, but are not limited to:

1. Cover Sheet (90%).
2. Drawings Index (90%).
3. Summary of Quantities/General Notes (90%).
4. Haul Route, Staging, and Storage Area Plan (90%).
5. Overall Phasing Plan (90%).
6. Individual Work Area Phasing Plans (90%).
7. Construction Phasing and Security Notes and Details (90%).
8. Survey Control Plan (90%).
9. Existing Conditions Plan (90%).
10. Demolition Plan (90%).
11. Typical Sections (90%).
12. Grading Plans (90%).
13. Drainage Plans (90%).
14. Drainage Details (90%).
15. Stormwater Pollution Prevention Plans (90%).
16. Stormwater Pollution Prevention Notes and Details (90%).
17. Miscellaneous Details (90%).
18. Cross Section Layout Plan (90%).
19. Cross Sections (90%).

2.2 Meetings

The CONSULTANT will attend the following meetings during this Phase:

- a. Team Coordination Meetings, as applicable;
- b. Regulatory permitting agencies meetings, as applicable; and,
- c. One (1) DOA Review Submittal Meeting.

The CONSULTANT will submit pdf copies of all Contract Documents required under this Phase 1B for review comments and approval by the DOA.

2.3 Deliverables

- a. Meeting minutes from all applicable meetings of this Phase;
- b. Response to DOA 60% Design review comments;
- c. Regulatory permitting agencies documentation;
- d. 90% Contract Drawings;
- e. 90% Project Manual - Technical Specifications, Front End and FAA General Provisions;
- f. Construction Safety and Phasing Plan;
- g. 90% Project Cost Estimates;
- h. 90% Project Schedule; and,
- i. 90% Engineer's Report.

2.4 Schedule

The anticipated duration of this phase is 45 calendar days.

3.0 PHASE 1C - 100% SUBMITTAL

Following the 90% Complete Contract Documents approval the CONSULTANT will develop "Final" 100% Complete Contract Documents from the approved 90% Complete Contract Documents. They will consist of the information contained in the 90% documents, as well as incorporate any comments provided and by DOA, Permit Agencies, or other authorized reviewers, as directed by DOA.

3.1 The **100% Plans** will include, but are not limited to:

1. Cover Sheet (100%).
2. Drawings Index (100%).
3. Summary of Quantities/General Notes (100%).
4. Haul Route, Staging, and Storage Area Plan (100%).
5. Overall Phasing Plan (100%).
6. Individual Work Area Phasing Plans (100%).
7. Construction Phasing and Security Notes and Details (100%).
8. Survey Control Plan (100%).
9. Existing Conditions Plan (100%).
10. Demolition Plan (100%).
11. Geometry Plans (100%).
12. Typical Sections (100%).
13. Grading Plans (100%).
14. Drainage Plans (100%).
15. Drainage Details (100%).
16. Stormwater Pollution Prevention Plans (100%).
17. Stormwater Pollution Prevention Notes and Details (100%).
18. Miscellaneous Details (100%).
19. Cross Section Layout Plan (100%).
20. Cross Sections (100%).

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 on the basis of 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.

3.2 Meetings

The CONSULTANT will attend the following meetings during this Phase:

- a. Team Co-ordination Meetings, as applicable;
- b. Regulatory permitting agencies meetings, as applicable; and,
- c. One (1) DOA Review Submittal Meeting.

3.3 Deliverables

The CONSULTANT will deliver the following major Deliverables for this Phase:

- a. Meeting minutes from all applicable meetings of this Phase;
- b. Response to DOA 90% Design review comments;
- c. Regulatory permitting agencies documentation;
- d. 100% Contract Drawings;
- e. 100% Project Manual - Technical Specifications, Front End and FAA General Provisions;
- f. Construction Safety and Phasing Plan;
- g. 100% Project Cost Estimates;
- h. 100% Project Schedule; and,
- i. 100% Engineer's Report.

3.4 Schedule

The anticipated duration of this phase is 30 calendar days.

4.0 PHASE 4 - BIDDING AND AWARD OF CONTRACT

Bid & Award Services

After authorization to proceed with the Bidding Phase, CONSULTANT will assist the DOA in advertising for and obtaining bids via the County's Vendor Self-Service Website. CONSULTANT will support the DOA in conducting a pre-bid conference to share pertinent bidding and technical information and requirements with prospective bidders; issue addenda as appropriate to interpret and clarify or expand the Bidding Documents during the Bidding phase; and attend the bid opening, prepare bid tabulation sheets and assist DOA in evaluating bids or proposals and in assembling and awarding contracts for construction, materials, equipment and services.

4.1 Deliverables

- a. PDF copy of the Bid Documents
- b. Pre-Bid Conference Agenda and Meeting Minutes
- c. Addenda as required during the bid process
- e. Bid Tabulation
- f. Bid Recommendation Letter

4.2 Schedule

The anticipated duration of this phase is 45 calendar days.

Assumptions:

1. DOA will provide all record documents applicable to this task, including the box culvert which will be underneath the new taxiway connector.
2. DOA will pay for all permitting costs.
3. Construction Administration Services and Resident Project Representative Services are not included in this scope of services. If requested, the CONSULTANT will perform Construction Administration Services 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.



Figure 1: Limits of Drainage Swale Improvements

Exhibit B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PHK-A-043 PHK Drainage Improvements

Billing Rate:		\$ 340	\$ 236	\$ 270	\$ 201	\$ 128	\$ 129	\$ 96
---------------	--	--------	--------	--------	--------	--------	--------	-------

		Labor Estimate (Hours)							Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Design Manager	Project Engineer	Planner	Clerical	Total	Labor	Expenses	Total
Task I-25-PHK-A-043 PHK Drainage Improvements												
Phase 1A (60% CONSTRUCTION DOCUMENTS)	Total	0	8	9	38	93	0	4	152	\$24,244	\$0	\$24,244
Attend One (1) DOA Kick-Off Meeting, Agenda & Minutes				1	2	1			4	\$ 800	\$ -	\$ 800
Internal Design Team Kick-Off Meeting				1	1	1			3	\$ 599	\$ -	\$ 599
Documents Data Collection and Records Research					2	2			4	\$ 658	\$ -	\$ 658
Field Coordination Meetings (Site, Geo, and Survey Evals)					2	2			4	\$ 658	\$ -	\$ 658
Site Evaluation by AECOM and accompany Geotechnical during their work				1	1	8			10	\$ 1,495	\$ -	\$ 1,495
Cover Sheet (60%).					1	1			2	\$ 329	\$ -	\$ 329
Drawings Index (60%).						1			1	\$ 128	\$ -	\$ 128
Summary of Quantities/General Notes (60%).						2			2	\$ 256	\$ -	\$ 256
Haul Route, Staging, and Storage Area Plan (60%).					1	4			5	\$ 713	\$ -	\$ 713
Overall Phasing Plans (60%).					1	4			5	\$ 713	\$ -	\$ 713
Construction Safety and Security Notes and Details (60%).					1	1			2	\$ 329	\$ -	\$ 329
Survey Control Plan (60%).					1	2			3	\$ 457	\$ -	\$ 457
Existing Conditions Plan (60%).					2	12			14	\$ 1,938	\$ -	\$ 1,938
Demolition Plan (60%).					2	8			10	\$ 1,426	\$ -	\$ 1,426
Typical Sections (60%).					1	8			9	\$ 1,225	\$ -	\$ 1,225
Grading Plans (60%).				1	2	16			19	\$ 2,720	\$ -	\$ 2,720
Drainage Plans (60%). (Coord only - developed by CMA)					1	1			2	\$ 329	\$ -	\$ 329
Drainage Details (60%).(Coord only - developed by CMA)					1	1			2	\$ 329	\$ -	\$ 329
Stormwater Pollution Prevention Plans (60%). (Coord only - developed by CMA)					1	1			2	\$ 329	\$ -	\$ 329
Stormwater Pollution Prevention Notes and Details (60%).(Coord only - developed by CMA)					1	1			2	\$ 329	\$ -	\$ 329
Miscellaneous Details (60%).					2	8			10	\$ 1,426	\$ -	\$ 1,426
Cross Section Layout Plan (60%).						1			1	\$ 128	\$ -	\$ 128
60% Technical Specifications (List Only)					1				1	\$ 201	\$ -	\$ 201
60% Project Construction Cost Estimate/Quantities				1	2	4			7	\$ 1,184	\$ -	\$ 1,184
60% Project Schedule					1	1			2	\$ 329	\$ -	\$ 329
Coordination with Permitting and Regulatory Agencies				1	4	1			6	\$ 1,202	\$ -	\$ 1,202
ISO 9001 - QA/QC Review			8						8	\$ 1,888	\$ -	\$ 1,888
One (1) DOA Review Submittal Meeting				1	2	1		2	6	\$ 992	\$ -	\$ 992
Task Management and Coordination				2	2			2	6	\$ 1,134	\$ -	\$ 1,134

Exhibit B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PHK-A-043 PHK Drainage Improvements

Billing Rate:		\$ 340	\$ 236	\$ 270	\$ 201	\$ 128	\$ 129	\$ 96
---------------	--	--------	--------	--------	--------	--------	--------	-------

		Labor Estimate (Hours)							Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Design Manager	Project Engineer	Planner	Clerical	Total	Labor	Expenses	Total
Task I-25-PHK-A-043 PHK Drainage Improvements												
Phase 1B (90% CONSTRUCTION DOCUMENTS)	Total	0	8	10	42	51	4	10	125	\$21,034	\$0	\$21,034
Cover Sheet (90%).						1			1	\$ 128	\$ -	\$ 128
Drawings Index (90%).						1			1	\$ 128	\$ -	\$ 128
Summary of Quantities/General Notes (90%).						1			1	\$ 128	\$ -	\$ 128
Haul Route, Staging, and Storage Area Plan (90%).						2			2	\$ 256	\$ -	\$ 256
Overall Phasing Plans (90%).						2			2	\$ 256	\$ -	\$ 256
Construction Phasing and Security Notes and Details (90%).						2			2	\$ 256	\$ -	\$ 256
Survey Control Plan (90%).						1			1	\$ 128	\$ -	\$ 128
Existing Conditions Plan (90%).					1	4			5	\$ 713	\$ -	\$ 713
Demolition Plan (90%).					1	2			3	\$ 457	\$ -	\$ 457
Typical Sections (90%).					1	2			3	\$ 457	\$ -	\$ 457
Grading Plans (90%).					1	8			9	\$ 1,225	\$ -	\$ 1,225
Drainage Plans (90%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Drainage Details (90%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Stormwater Pollution Prevention Plans (90%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Stormwater Pollution Prevention Notes and Details (90%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Miscellaneous Details (90%).					2	2			4	\$ 658	\$ -	\$ 658
Cross Section Layout Plan (90%).						1			1	\$ 128	\$ -	\$ 128
Cross Sections (90%).					2	8			10	\$ 1,426	\$ -	\$ 1,426
90% Technical Specifications				1	8	2			11	\$ 2,134	\$ -	\$ 2,134
90% Front End Specifications				1	8	2			11	\$ 2,134	\$ -	\$ 2,134
90% Project Construction Cost Estimate/Quantities				1	2	4			7	\$ 1,184	\$ -	\$ 1,184
90% Project Schedule					2	2			4	\$ 658	\$ -	\$ 658
Coordination with Permitting and Regulatory Agencies				2	4	2			8	\$ 1,600	\$ -	\$ 1,600
ISO 9001 - QA/QC Review			8				4		12	\$ 2,404	\$ -	\$ 2,404
One (1) DOA Review Submittal Meeting				1	2	2		2	7	\$ 1,120	\$ -	\$ 1,120
Task Management and Coordination				4	4			8	16	\$ 2,652	\$ -	\$ 2,652

Exhibit B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PHK-A-043 PHK Drainage Improvements

Billing Rate:		\$	340	\$	236	\$	270	\$	201	\$	128	\$	129	\$	96
---------------	--	----	-----	----	-----	----	-----	----	-----	----	-----	----	-----	----	----

		Labor Estimate (Hours)								Fee Estimate (\$)		
Task Description		Principal	QC Reviewer	Senior Project Manager	Design Manager	Project Engineer	Planner	Clerical	Total	Labor	Expenses	Total
Task I-25-PHK-A-043 PHK Drainage Improvements												
Phase 1C (100% CONSTRUCTION DOCUMENTS)	Total	0	0	12	30	38	0	10	90	\$15,094	\$0	\$15,094
Cover Sheet (100%).						1			1	\$ 128	\$ -	\$ 128
Drawings Index (100%).						1			1	\$ 128	\$ -	\$ 128
Summary of Quantities (100%).						1			1	\$ 128	\$ -	\$ 128
Haul Route, Staging, and Storage Area Plan (100%).						1			1	\$ 128	\$ -	\$ 128
Overall Phasing Plans (100%).						1			1	\$ 128	\$ -	\$ 128
Construction Phasing and Security Notes and Details (100%).						2			2	\$ 256	\$ -	\$ 256
Survey Control Plan (100%).						1			1	\$ 128	\$ -	\$ 128
Existing Conditions Plan (100%).					1	2			3	\$ 457	\$ -	\$ 457
Demolition Plan (100%).					1	2			3	\$ 457	\$ -	\$ 457
Typical Sections (100%).				1	1	2			4	\$ 727	\$ -	\$ 727
Grading Plans (100%).				1	1	2			4	\$ 727	\$ -	\$ 727
Drainage Plans (100%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Drainage Details (100%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Stormwater Pollution Prevention Plans (100%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Stormwater Pollution Prevention Notes and Details (100%). (Coord only - developed by CMA)					1				1	\$ 201	\$ -	\$ 201
Miscellaneous Details (100%).					1	1			2	\$ 329	\$ -	\$ 329
Cross Section Layout Plan (100%).						1			1	\$ 128	\$ -	\$ 128
Cross Sections (100%).					1	4			5	\$ 713	\$ -	\$ 713
100% Technical Specifications				1	4	4			9	\$ 1,586	\$ -	\$ 1,586
100% Front End Specifications				1	6	2			9	\$ 1,732	\$ -	\$ 1,732
100% Project Construction Cost Estimate				1	2	4			7	\$ 1,184	\$ -	\$ 1,184
100% Project Schedule				1	1	1			3	\$ 599	\$ -	\$ 599
Coordination with Permitting and Regulatory Agencies				1	1	1			3	\$ 599	\$ -	\$ 599
Team Coordination Meetings				2	2	2			6	\$ 1,198	\$ -	\$ 1,198
One (1) DOA Review Submittal Meeting				1	2	2		2	7	\$ 1,120	\$ -	\$ 1,120
Task Management and Coordination				2	2			8	12	\$ 1,710	\$ -	\$ 1,710

Exhibit B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-25-PHK-A-043 PHK Drainage Improvements

Billing Rate:		\$ 340	\$ 236	\$ 270	\$ 201	\$ 128	\$ 129	\$ 96
---------------	--	--------	--------	--------	--------	--------	--------	-------

		Labor Estimate (Hours)							Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Design Manager	Project Engineer	Planner	Clerical	Total	Labor	Expenses	Total
Task I-25-PHK-A-043 PHK Drainage Improvements												
Phase 2 BID AND AWARD SERVICES	Total	0	7	8	42	18	0	0	75	\$14,558	\$0	\$14,558
Bid Drawings					2	2			4	\$ 658	\$ -	\$ 658
Bid Technical Specifications					1	1			2	\$ 329	\$ -	\$ 329
Bid Front End Specifications & FAA General Provisions				1	8				9	\$ 1,878	\$ -	\$ 1,878
Bid Project Construction Cost Estimate					2	2			4	\$ 658	\$ -	\$ 658
ISO 9001 - QA/QC Review			4						4	\$ 944	\$ -	\$ 944
Task Management and Coordination				2	2				4	\$ 942	\$ -	\$ 942
Assist DOA in Advertisement and Processing of Bid Documents				1	4				5	\$ 1,074	\$ -	\$ 1,074
Prepare and attend Pre-Bid Meeting, Prepare Minutes					4				4	\$ 804	\$ -	\$ 804
Prepare and Maintain Bid Holders Log						4			4	\$ 512	\$ -	\$ 512
Respond to Contractor's Request for Information (RFI's)				2	8				10	\$ 2,148	\$ -	\$ 2,148
Prepare and Issue Addenda			2	2	8	4			16	\$ 3,132	\$ -	\$ 3,132
Attend Bid Opening Meeting						1			1	\$ 128	\$ -	\$ 128
Prepare, Review and Evaluate Bid Tabulation and Bid Forms					1	2			3	\$ 457	\$ -	\$ 457
Prepare and Submit Recommendation of Bid Award Letter to DOA			1		2	2			5	\$ 894	\$ -	\$ 894
Total Fee - AECOM Technical Services, Inc.		0	23	39	152	200	4	24	442	\$74,930	\$0	\$74,930
Subconsultant Fees												
1 Brown and Phillips (LS)												
Brown and Phillips (T&M)		\$ 44,444.00										
2 Tierra South Florida (LS)												
Tierra South Florida (T&M)		\$ 6,898.53										
3 Chen Moore & Associates (LS)		\$ 63,980.00										
Lump Sum \$138,910.00												
T&M \$51,342.53												
Expenses \$0.00												
TOTAL \$190,252.53												
Total Fee - Subconsultants		\$ 115,322.53										
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES		\$ 190,252.53										

Prepared by: AECOM Technical Services, Inc.

April 9, 2025

Mr. Dennis G. Combs, P.E.
AECOM
7650 West Courtney Campbell Causeway
Tampa, FL 33607

**Re: Palm Beach County Glades Airport (PHK) Drainage Outfall Improvements Project
Specific Purpose Topographic Survey**

Dear Dennis:

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 your office. The scope of services is as follows:

SCOPE OF SERVICES

I. TOPOGRAPHIC SURVEY

Utilizing Airport Control from our previous surveys, we will perform a specific purpose topographic survey along SR 715 from the east edge of pavement to 100' past the western right-of-way line. From Airport access road to opposite side of the drainage canal at south limit. The approximate limits are outlined in red on Attachment 'B'. The survey will include the following:

- All visible and attainable fixed improvements and utilities
- Road edges and centerline
- TOB, TOS, etc.
- Fence and other above ground obstacles
- Native trees
- 100' cross sections
- Culvert size, material inverts
- Canal/Ditch TOB, TOS – both sides

II. UTILITY TARGETING SERVICES

We will scan and target underground utilities within the limits of the survey outlined in red on Attachment 'B'. We will then locate the designates and add them to the survey.

III. TEST HOLES

We will perform up to ten (10) test holes at locations to be determined by you. We will then locate the test holes and add them to the survey.

IV. ITEMS NOT INCLUDED

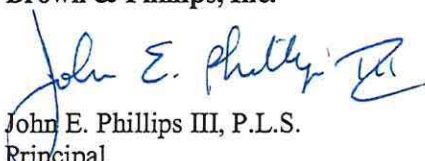
The proposed specific purpose topographic survey will **not** include the following items:

- a. Sub-surface foundations of structures
- b. Storm and sanitary sewer inverts of recessed or debris-filled structures
- c. Sprinkler heads
- d. Overhead clearances (signal heads, wires, bridges, roofs, overhangs, walkways, etc.)
- e. Temporary features such as trailers, movable barriers/fences, solar lighting, etc.
- f. Not a boundary survey

V. 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 file, and an AutoCAD file in the version requested. We will perform the scope of services for an **hourly, not-to-exceed fee of \$44,444.00** (\$21,006.00 for the survey, \$16,515.00 for utility targeting and \$6,923.00 for up to 10 test holes), see Attachment 'A' for an 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

This Proposal accepted this ____ day of ____, 2025

By: _____

AECOM

Print Name: _____

Title: _____

ATTACHMENT 'A' (1 OF 2)

Palm Beach County Glades Airport (PHK) Drainage Outfall Improvements Project

Type of Survey: Specific Purpose Topographic

Date: April 9, 2025

TASK	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Meetings and Coordination				1	
Horizontal Project Network Control	10		10	3	Set control points. Work up R/W.
Vertical Project Network Control	16		2	1	Establish onsite benchmarks
Tie In Improvements and Cross Sections	60		12	4	Locate above ground features, 100' cross sections and spot elevations
As-builts	3				Obtain as-built data
Topographic Survey		28	5	2	Prepare topographic survey
Total Hours:	89	28	29	11	
Rate/Hour	\$156.00	\$96.00	\$96.00	\$150.00	
Subtotal:	\$13,884.00	\$2,688.00	\$2,784.00	\$1,650.00	
Total Labor Cost:					\$21,006.00

TOTAL PRICE FOR SPECIFIC PURPOSE SURVEY:

\$21,006.00

TASK - S.U.E. Utility Targeting	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Underground Utilities	8	1	1	0.5	Field locate flagged utilities
Total Hours:	8	1	1	0.5	
Rate/Hour	\$156.00	\$96.00	\$96.00	\$150.00	
Subtotal:	\$1,248.00	\$96.00	\$96.00	\$75.00	
Total Labor Cost:					\$1,515.00

Direct Costs:

	<u>quantity</u>	<u>unit</u>	<u>cost/unit</u>	<u>total</u>
S.U.E. Utility Targeting	7.5	days	\$2,000.00	\$15,000.00

Total Other Direct Costs:

\$15,000.00

TOTAL PRICE FOR S.U.E. UTILITY TARGETING:

\$16,515.00

ATTACHMENT 'A' (2 OF 2)

Palm Beach County Glades Airport (PHK) Drainage Outfall Improvements Project

TASK - S.U.E. Test Holes (up to 10)	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Field locate test holes and obtain elevation of pipes (x,y,z)	10	2	1	0.5	Locate test holes (10) and prepare reports
Total Hours:	10	2	1	0.5	
Rate/Hour	\$156.00	\$96.00	\$96.00	\$150.00	
Subtotal:	\$1,560.00	\$192.00	\$96.00	\$75.00	
Total Labor Cost:					\$1,923.00

Direct Costs:	<u>quantity</u>	<u>unit</u>	<u>cost/unit</u>	<u>total</u>	
S.U.E. Test Holes	10	each	\$500.00	\$5,000.00	
Total Other Direct Costs:					\$5,000.00
TOTAL PRICE FOR 10 S.U.E. TEST HOLES:					\$6,923.00
GRAND TOTAL:					\$44,444.00

Attachment 'B'



Survey Area (4100' ±)

-From East side edge of pavement to 100' past the western ROW line. From Airport access road to opposite side of drainage canal at south limit.

- All features
- Road edges and centerline
- TOB, TOS, etc.
- Fence and other above ground obstacles
- Utilities
- Trees
- Culvert size, material, inverts
- Canal TOB, TOS - both sides



April 7, 2025

AECOM
7650 W. Courtney Campbell Causeway, Suite 700
Tampa, FL 33607
Attn: Mr. Andy Kacer, PE

**RE: Geotechnical Proposal for Drainage Improvement CR 715
 Pahokee Airport
 TSFGeo Proposal No. 2504-203**

Dear Andy:

Per your request, **TIERRA SOUTH FLORIDA, Inc. (TSFGeo)** is pleased to submit this proposal for providing geotechnical services for the subsurface explorations along CR 715 ROW to install swale. Swale will start swallow at 2 feet and end at the canal at the south at a depth of 6 feet. This proposal includes an outline of our proposed scope of work, an estimate of the total job cost, and our anticipated schedule for completion of the work.

PROPOSED SCOPE OF WORK

The proposed exploration is summarized in Table 1 for the swale, auger within the northern 2,000 feet, and SPTs in the southern 2000 feet of the swale.

Table 1 – Proposed Field Testing	
Improvement Area	Proposed Services
Swale	Five (5) Hand Auger Borings to 5 feet
	Five (5) Standard Penetration Tests (SPT) boring to 10 feet.

Boring locations will be located in the field by our personnel by measuring distances with a tape from known reference points. Prior to drilling at the project site, TSFGeo will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned utilities.

Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig, and escort and access for daytime work will be given. TSFGeo

will recommend a utility line locating service upon request. Borings are completed with truck-mounted equipment, and the boring locations will likely be in grassed areas. TSFGeo will endeavor to minimize impacts to grass or landscape from the truck tires. However, our fees does not include a fee to restore the grass or landscape.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the information noted below in Table 2.

Table 2 – Report to Include	
Technical Area	Description of Report Items
General	<ul style="list-style-type: none">- Summary of USDA Soil Information for the project area- Soil Profiles- Boring Location Plan- Results and Summary data for Laboratory Testing- Soil Classification

UNIT FEE ESTIMATE

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSFGeo’s General Conditions enclosed herewith and incorporated into this proposal. On the basis of the proposed quantities, it is estimated that the total fee will be approximately as noted below.

Geotechnical Proposal for Drainage Improvement
Pahokee Airport (PHK)
TSFGeo Proposal No. 2504-203
Page 3

FIELD INVESTIGATION

Mobilization of Men and Equipment						
Truck-Mounted Equipment	LS	1	\$	450.00	\$	450.00
Support Vehicle	DAY	1	\$	150.00	\$	150.00
Standard Penetration Test Borings						
(By Truck-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	50	\$	15.00	\$	750.00
50 - 100 ft depth	L.F.	0	\$	17.00	\$	0.00
Grout-Seal Boreholes						
(By Truck-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	50	\$	7.00	\$	350.00
50 - 100 ft depth	L.F.	0	\$	8.00	\$	0.00
Casing						
(By Truck-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	50	\$	8.00	\$	400.00
50 - 100 ft depth	L.F.	0	\$	10.00	\$	0.00
Hand Auger	Hours	4	\$	140.00	\$	560.00

LABORATORY TESTING

Natural Moisture Content Tests	Test	6	\$	15.00	\$	90.00
Grain-Size Analysis - Full Gradation	Test	6	\$	65.00	\$	390.00
Grain-Size Analysis - Single Sieve	Test	0	\$	35.00	\$	0.00
Organic Content Tests	Test	6	\$	50.00	\$	300.00
Atterberg Limit Tests	Test	4	\$	90.00	\$	360.00

ENGINEERING/COORDINATION/MANAGEMENT

Project Manager	Hour	1	\$	253.06	\$	253.06
Principal Engineer	Hour	2	\$	269.40	\$	538.80
Project Engineer	Hour	7	\$	166.53	\$	1,165.71
Senior Technician	Hour	8	\$	91.68	\$	733.44
CADD	Hour	4	\$	101.88	\$	407.52

\$ 6,898.53

Our estimate covers the work needed to present our findings in a formal report. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

Geotechnical Proposal for Drainage Improvement

Pahokee Airport (PHK)

TSFGeo Proposal No. 2504-203

Page 4

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consistent with good engineering practice.

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSFGeo's General Conditions enclosed herewith and incorporated into this proposal. On the basis of the proposed quantities, it is estimated that the total fee will be approximately as noted below:

Borings are completed with truck-mounted equipment, and the boring locations will likely be in grassed areas. TSFGeo will endeavor to minimize impacts to grass or landscape from the truck tires. However, our fees does not include a fee to restore the grass or landscape.

SCHEDULE AND AUTHORIZATION


TSFGeo will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting) and fieldwork is expected to take 2 days to complete, weather permitting. The written report can generally be submitted within two weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

We at TSFGeo appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TSFGeo

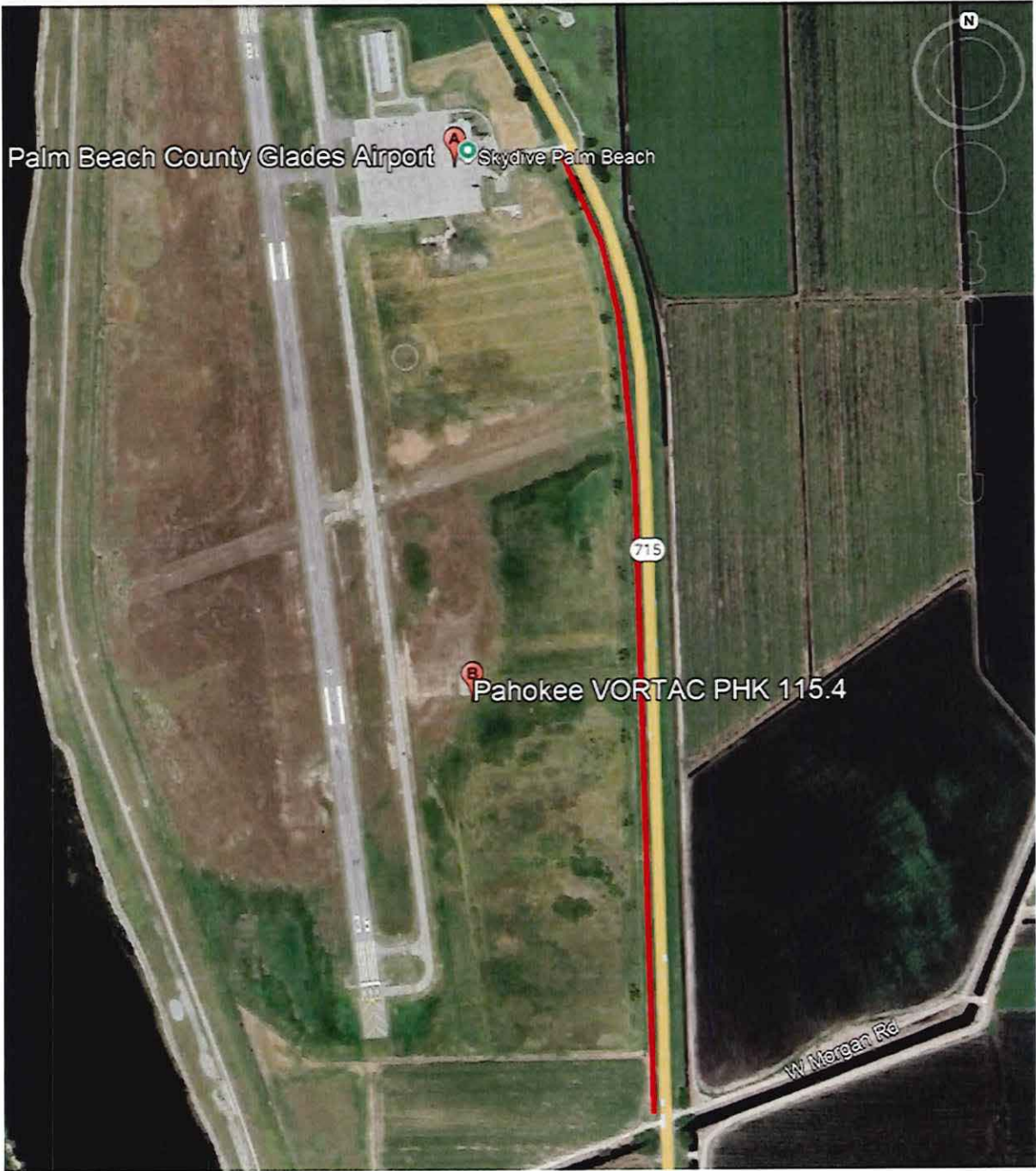

Harmon C. Bennett, P.E.
Principal Engineer


Raj Krishnasamy, P.E.
President

Attachments:

General Conditions

AUTHORIZED BY:	INVOICE TO:
Name:	Firm:
Title:	Name:
Date:	Address:
	Phone :



April 7, 2025

SENT VIA E-MAIL
andy.kacer@aecom.com

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

**Subject: Palm Beach County Glades Airport
Drainage Outfall Improvements
CMA Proposal No. 25-0066.P0001-003**

Dear Mr. Kacer:

Chen Moore and Associates, Inc. (CMA) is pleased to submit this proposal to provide professional services to AECOM Technical Services, Inc. (AECOM). This proposal is intended to define a general scope of services to assist with drainage design and stormwater permitting services for the above-referenced project.

PROJECT INTRODUCTION

The project proposes the improvement and re-grading of the existing swale along the airport's eastern boundary to re-route runoff from the airport's existing northern outfall location to the airport's existing southern outfall location. Additionally, this project proposes drainage improvements to the airport's southern outfall location to accommodate the increased runoff, including re-grading of the channel, stabilization measures, and replacement of the Morgan Road culvert. *(See Figure 1, attached)*

The objectives of this Scope of Services are to provide Engineering Design services for drainage and stormwater permitting. Per our recent correspondence, CMA's role shall consist of:

- Drainage Design
- Stormwater Permitting

The project phases shall consist of the following:

- 60% Preliminary Design
- 90% Final Design
- 100% Bid Plans
- Bidding Assistance
- Permitting Services

PROJECT STAFFING

Our staff and team are ready and prepared to work on this project. Chen Moore staff project roles shall be as follows:

Principal – Jose L. Acosta, P.E., F. ASCE
Project Director – Brent Whitfield, P.E.
Senior Engineer – Cole Benjamin, P.E.
Project Engineer – Darrell Carless
Associate Engineer – Bryan Scoggin

Subconsultants:

N/A

The scope of work for CMA is described further below.

SCOPE OF SERVICES

TASK 1 – Project Initiation, Information Gathering, and Site Investigation

Consultant shall collect and review copies of all relevant data, including correspondence, plans or information provided by the Client which may be beneficial to the work effort performed by Consultant. This task shall include one on-site investigation to collect pertinent information about the present-day condition of the project site. This task shall also include preparation for, and attendance by, the Consultant, of the project kick-off meeting.

TASK 2 – Engineering Design Services

Consultant shall include all relevant documentation required for 60%/90%/100% design phase submittals and shall provide Bidding Assistance as detailed below.

60% Preliminary Design

- Provide a preliminary closed drainage network and open channel conveyance layout, along with all corresponding hydraulic analyses and supporting calculations.
- Provide relevant drainage design information including, but not limited to, swale geometry, hydraulic data, storm structure and pipe sizes, and associated labels, in the form of electronic design files (digital CAD), as required, for inclusion in the 60% civil engineering paving and grading plans (by AECOM) for the purpose of Owner review and interdisciplinary coordination with other related disciplines.
- Prepare 60% stormwater management design report, including relevant narrative, exhibits, and figures, and hydraulics and hydrologic analyses.
- Attend one (1) meeting with the Owner/Client for project coordination.
- Coordinate with other project disciplines (Geotech, SUE, Survey) throughout this design phase.

90% Final Design

- Review and respond to Client/Owner comments from the previous submittal and update portions of the design, as appropriate, including written responses to provided comments pertaining to stormwater.
- Provide revised drainage design information including, but not limited to, swale geometry, hydraulic data, storm structure and pipe sizes, and associated labels, in the form of electronic design files (digital CAD), as required, for inclusion in the 90% civil engineering paving and grading plans (by AECOM) for the purpose of Owner review and interdisciplinary coordination with other related disciplines.

- Revised stormwater management design report sufficient to submit for permit to the SFWMD.
- Attend one (1) meeting with the Owner/Client for project coordination.
- Coordinate with other project disciplines (Geotech, SUE, Survey) throughout this design phase.

100% Bid Plans

- Review and respond to Client/Owner comments from the previous submittal and update portions of the design, as appropriate, including written responses to provided comments pertaining to stormwater.
- Provide revised drainage design information including, but not limited to, swale geometry, hydraulic data, storm structure and pipe sizes, and associated labels, in the form of electronic design files (digital CAD), as required, for inclusion in the 100% civil engineering paving and grading plans (by AECOM) for the purpose of Owner review and interdisciplinary coordination with other related disciplines.
- Provide Final stormwater management report.
- Attend one (1) meeting with the Owner/Client for project coordination.
- Coordinate with other project disciplines (Geotech, SUE, Survey) throughout this design phase.

Bidding Assistance

- Attend one (1) pre-bid meeting.
- Participate in addendum preparation (up to two minor addenda).

TASK 3 – Permitting Services

Consultant shall prepare and submit permit applications for the following regulatory authority:

- Stormwater Management - South Florida Water Management District (SFWMD)

This task shall include the effort to schedule and conduct a pre-application meeting with the South Florida Water Management District (SFWMD) pertaining to stormwater design, including the preparation of a meeting agenda and meeting minutes. The task shall also include preparing applications, correspondence with regulatory reviewers, and any required responses for up to two rounds of comments and responses for Requests for Additional Information (RAI). Providing permit fees are not included and shall be the responsibility of the Owner. Based on the stormwater master plan for Palm Beach County Glades Airport, a water quantity analysis (ICPR) and modification of existing stormwater management features is not anticipated and is not included in this scope of work.

The basis for the above scope of services and associated fee(s) are based on the following:

- Plans production, development of Technical Specifications, Opinions of Probable Cost Estimates, and Erosion and Sediment Control design to be performed by the Client.
- Surveying and geotechnical investigation are to be performed by the Client, as required.
- If any off-site stormwater improvements or off-site roadway improvements are required, they shall be rendered as an Additional Service.
- Dewatering plan assistance and construction phasing for replacement of the culvert under Morgan Road are not included, and shall be rendered as an Additional Service.
- Franchise utility (such as FPL, telecom, and natural gas) relocation and/or service design shall be by others.

- Design services exclusively pertain to stormwater. Design associated with water, wastewater, landscape architecture, irrigation, site planning, pavement, signage and markings, Maintenance of Traffic, and detailed grading are not included.
- Site lighting is not included in this proposal.
- Client shall provide submittal fees for government agencies.
- Phased design and/or phased permitting may require an Additional Service.
- No construction management or construction administration services were included in this proposal. If requested, this effort shall be rendered as an additional service.

Information to be provided by the Client:

- A signed and sealed boundary and topographic survey and associated digital CAD File.
- A letter from the property owner granting access to the site and giving approval for Consultant to perform the services listed above.
- Filing and permit application fees, review fees, impact fees or any other associated assessments by other governments/agencies.
- Copies of all relevant data, including correspondence, traffic reports, plans or information in the Client’s possession which may be beneficial to the work effort performed by Consultant.
- Previous reports and assessments.
- Legal description of the site.

SCHEDULE AND FEES

Consultant shall schedule work upon receipt of signed approval for this project as required. Per discussions with your team, the goal is to start immediately upon notice to proceed and official authorization from the Client.

The total lump sum fee for this project will be divided as follows:

<u>TASK(s)</u>	<u>Task Description</u>	<u>Lump Sum</u>	<u>Hourly</u>	<u>Total Fees</u>
WATER RESOURCES ENGINEERING AND STORMWATER PERMITTING				
TASK 1	Project Initiation, Information Gathering, and Site Investigation	\$5,560.00	-	\$5,560.00
TASK 2	Engineering Design Services	\$39,050.00	-	\$39,050.00
TASK 3	Permitting Services	\$19,370.00	-	\$19,370.00
PROJECT TOTAL				\$63,980.00

Reimbursable expenses for the tasks above are included in the lump sum price. Additional reimbursables requested by the client shall be rendered as Additional Services.

500 Australian Avenue South, Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



Should you have any questions, please do not hesitate to contact me at my office at +1 (813) 896-0286, my cell phone at +1 (904) 707-7724, or send me an electronic message at blehr@chenmoore.com.

Respectfully submitted,

Benjamin Lehr, PE, LEED AP
Director – Transportation
4/7/25

Attachment(s): Figure 1, Fee Estimate

Palm Beach County Glades Airport Drainage Outfall Improvments
Fee Estimate

Chen Moore and Associates, Inc.

CMA Project No. 25-0066.P0001-003

	Project Principal	Project Director	Senior Engineer	Project Engineer	Associate Engineer	Administrative Staff	Total
Hourly Rate	\$360.00	\$250.00	\$200.00	\$150.00	\$125.00	\$90.00	

TASK 1 – PROJECT INITIATION, INFORMATION GATHERING, AND SITE INVESTIGATION

Initial Field Visit		4		4			\$1,600.00
Existing Document Review		2	6	4			\$2,300.00
Project Kickoff Meeting and Project Setup		2	4			4	\$1,660.00
Task 1 Total	0	8	10	8	0	4	\$5,560.00

TASK 2 – ENGINEERING DESIGN SERVICES

60% PRELIMINARY DESIGN SUBMITTAL

Preliminary Closed Drainage Network and Open Channel Layout		1	4	8	8		\$3,250.00
Preliminary Hydraulic Analysis and Supporting Calculations		1	6	12	4		\$3,750.00
Plans Assistance for Drainage sheets		1	4	8	4		\$2,750.00
Stormwater Design Report		1	6	8	4		\$3,150.00
60% Deliverable Review Meeting		1	2				\$650.00
Coordination with Others (Geotech, SUE, Survey)		1	4	2			\$1,350.00
QA/QC		1	6	4	2		\$2,300.00

90% FINAL DESIGN SUBMITTAL

Incorporate 60% Design Submittal Comments		1	2	4	2		\$1,500.00
Update Hydraulic Analysis and Supporting Calculations		1	2	4	2		\$1,500.00
Plans Assistance for Updating Drainage sheets		1	1	4	2		\$1,300.00
Update Stormwater Design Report		1	2	6	4		\$2,050.00
90% Deliverable Review Meeting		1	2				\$650.00
Coordination with Others (Geotech, SUE, Survey)		1	4	2			\$1,350.00
QA/QC		1	4	4	2		\$1,900.00

100% ISSUED FOR BID

Incorporate 90% Design Submittal Comments		1	1	2	2		\$1,000.00
Finalize Hydraulic Analysis and Supporting Calculations		1	1	2	2		\$1,000.00
Assistance for Finalizing Drainage sheets		1	1	2	2		\$1,000.00
Finalize Stormwater Design Report		1	1	2	2		\$1,000.00
100% Deliverable Review Meeting		1	2				\$650.00
Coordination with Others (Geotech, SUE, Survey)		1	2	2			\$950.00
QA/QC	1	1	2	4	2		\$1,860.00
Revise and Resubmit (Assume 1 Occurrence)		1	1	2	2		\$1,000.00

BIDDING ASSISTANCE

Pre-Bid Meeting			2				\$400.00
Addendum Preparation (up to two minor addenda)	1	2	6		4	2	\$2,740.00
Task 2 Total	2	24	68	82	50	2	\$39,050.00

TASK 3 – PERMITTING SERVICES

Existing Permit Review and Pre-Application Meeting Request		1	2	4			\$1,250.00
Pre-Application Meeting with SFWMD		1	1				\$450.00
Pre-Application Meeting Minutes			1	2			\$500.00
SFWMD ERP Application Documents		2	6	8	6		\$3,650.00
ERP Application Supporting Exhibits/Plan Production		1	8	12	8		\$4,650.00
QA/QC	1	2	4	4	4		\$2,760.00
Submit ERP Application Package to SFWMD RegPermitting Site			2	4			\$1,000.00
Respond to RAls (up to two occurrences)	1	2	6	8	4		\$3,760.00
Issue Final Permit Application	1	2	2			1	\$1,350.00
Task 3 Total	3	11	32	42	22	1	\$19,370.00

TOTAL FEES							\$63,980.00
------------	--	--	--	--	--	--	-------------

TASK	Total Hrs/Task	Total \$/Task
TASK 1 – PROJECT INITIATION, INFORMATION GATHERING, AND SITE	30	\$5,560.00
TASK 2 – ENGINEERING DESIGN SERVICES	228	\$39,050.00
TASK 3 – PERMITTING SERVICES	111	\$19,370.00
TOTAL	369	\$63,980.00



PBC Glades Airport

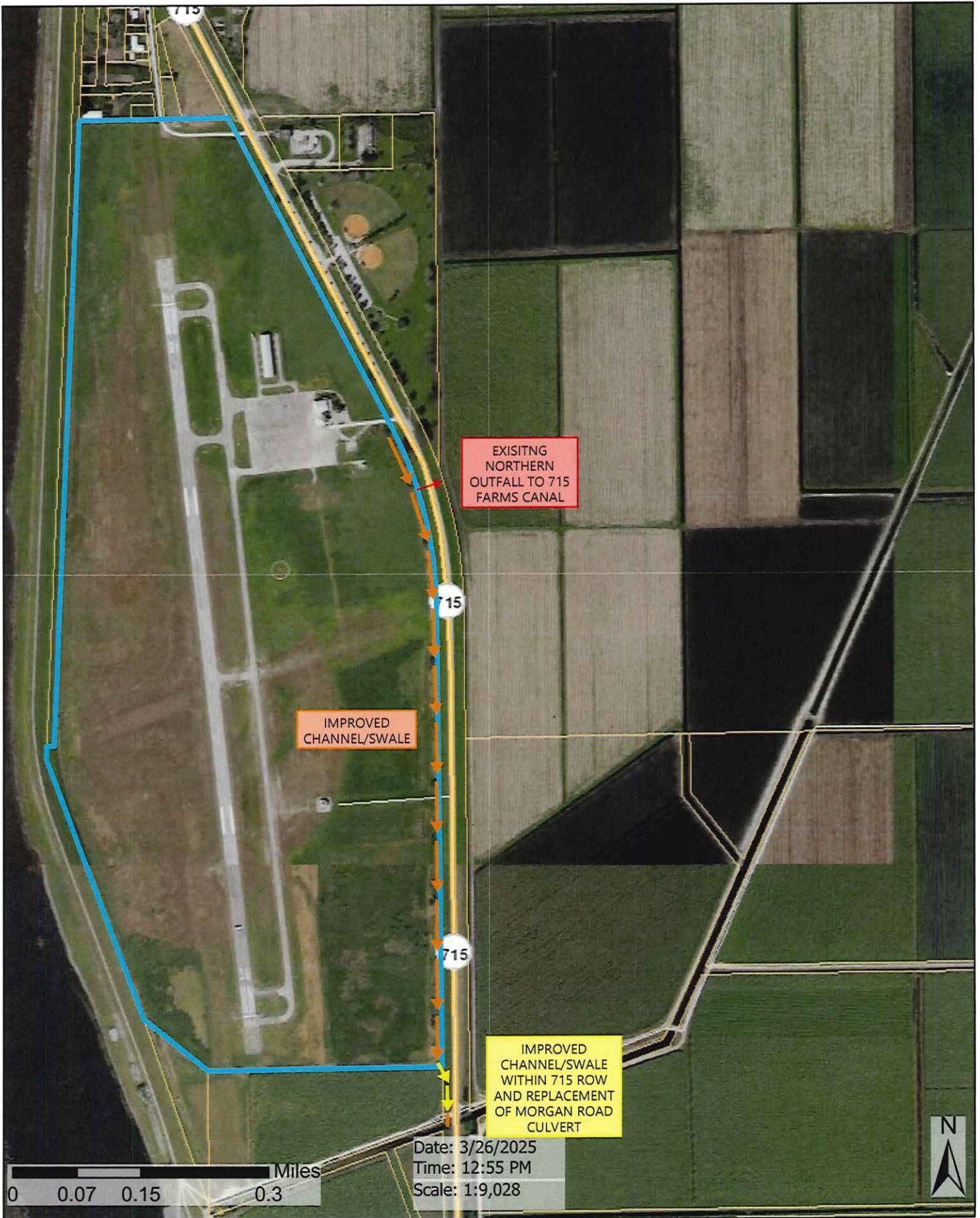


EXHIBIT B:

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-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services	\$ 546,845.00	\$ 552,049.52	\$ -	\$ 1,098,894.52
Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services	\$ 155,576.00	\$ 220,405.60	\$ -	\$ 375,981.60
Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services	\$ 88,217.00	\$ 111,197.28	\$ -	\$ 199,414.28
Task I-25-DOA-A-041 Miscellaneous Planning & Engineering Services	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00
Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services	\$ 13,328.00	\$ 196,000.00	\$ 1,000.00	\$ 210,328.00
Task I-25-PHK-A-043 PHK Drainage Improvements	\$ 138,910.00	\$ 51,342.53	\$ -	\$ 190,252.53
Task III; Deliverables as Required in accordance with specific Task Authorizations				\$ 250,000.00
			Total	\$ 2,374,870.93

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-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services	270 Days	\$ 1,098,894.52
Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services	175 Days	\$ 375,981.60
Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services	260 Days	\$ 199,414.28
Task I-25-DOA-A-041 Miscellaneous Planning & Engineering Services	TBD	\$ 50,000.00
Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services	210 Days	\$ 210,328.00
Task I-25-PHK-A-043 PHK Drainage Improvements	180 Days	\$ 190,252.53
Task III; Deliverables as Required in accordance with specific Task Authorizations	TBD	\$ 250,000.00
		\$ 2,374,870.93



EXHIBIT C

PROPOSED SCHEDULES

Tasks	Duration
Task I-25-PBI-A-038 PBI Box Culvert and Taxiway M Improvements CM/CA/RPR Services	270 Days
Task I-25-DOA-A-039 General Aviation Airports Pavement Rehabilitation and Related Work CM/CA/RPR Services	175 Days
Task I-25-DOA-A-040 LNA Beacon and LNA/F45 PAPI Installation CM/CA/RPR Services	260 Days
Task I-25-DOA-A-041 Miscellaneous Planning & Engineering Services	TBD
Task I-25-DOA-A-042 DOA Construction Management (CM) Support Services	210 Days
Task I-25-PHK-A-043 PHK Drainage Improvements	180 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:	Airport General Consulting	RFP Project No.	AGREEMENT R2023-0980
Name of Respondent:	AECOM Technical Services, Inc.		
Contract Person:	Andrew Kacer	CSA/Amend.No.	Amendment 5
	7650 West Courtney Campbell Causeway,		
Address:	Tampa, FL 33607		
Phone No:	O) 813.636.2425 (C) 352.634.4363	E-mail Address	andy.kacer@aecom.com

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	\$ -	\$ -	\$ 68,745.00	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
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	\$ -	\$ -	\$ -	\$ 87,411.93
				\$ -	\$ -	\$ -	\$ -
			Manufacturer	\$ -	\$ -	\$ -	\$ -
Brown & Phillips 1860 Old Okeechobee Road, West Palm Beach, FL 33409 (561)-615-3988	Surveying		Prime Contractor	\$ -	\$ -	\$ -	\$ -
		X	Subcontractor	\$ 44,444.00	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
CES Consultants 880 SW 145th Avenue Suite 106 Pembroke Pines, FL 33027 786.489.1396	Construction Management		Prime Contractor	\$ -	\$ -	\$ -	\$ -
		X	Subcontractor	\$ 197,000.00	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
TOTAL			\$ 241,444.00	\$ -	\$ 68,745.00	\$ 87,411.93	
TOTAL VALUE OF DBE PARTICIPATION			\$ 397,600.93				


Notes:

1. 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.

2. 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>

3. 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 DBE Firms.

By:		4/18/2025
	Signature	Date
	Andrew Kacer - VP	

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 5

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: 1.87 %

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: 04-9-2025

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 5

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: CES Consultants, 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 (Asian Pacific)
☐ 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):

Construction Services

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 8.30 %

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.

CES Consultants, Inc.
Printed Name of DBE Subcontractor

By: _____
Signature

Date: 4-9-2025

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 No. 5

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: Quantum Electrical Engineering, Inc.

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

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

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

Electrical Services

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 2.89%

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

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

_____%
(Name of Subcontractor) Percentage of work to be subcontracted)

☐ DBE Certified
☐ Non-DBE

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

Quantum Electrical Engineering, Inc.
Printed Name of DBE Subcontractor

By:

Signature

Date: 4-9-2025

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/Bld Garage Repairs; and PBI Landside Terminal Paving 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	\$ 206,227.55	\$ (43,772.45)	\$ 6,962,546.84	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	\$ 148,238.55	\$ -	\$ 8,383,069.63	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	PENDING	TBD	\$ 2,374,870.93	16.74%	\$ 2,124,870.93	\$ 250,000.00	\$ -	\$ -	\$ 10,507,940.56	Construction Services for two (2) 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.
TOTAL (DBE adjusted to include funded Task III DBE)			\$ 10,947,246.91	19.60%	\$ 9,497,246.91	\$ 1,450,000.00	\$ 1,054,466.10	\$ (43,772.45)	\$ 10,507,940.56	

Signatory Information





AECOM Technical Services, Inc. 213.593.8100 tel
300 South Grand Avenue 213.593.8730 fax
9th 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, 9th 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 30th 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

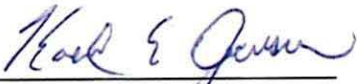
IN TESTIMONY WHEREOF, all the Directors have hereunto set their hands this 3rd day of July, 2024.



Allison Hall



Matthew Crane



Karl Jensen




Armond Tatevossian

Attachment No. 2
DBE Goal Information



**INTEROFFICE MEMORANDUM
DEPARTMENT OF AIRPORTS**

TO: Lauren Scott, AAE, ACE, Deputy Director Planning & Development
FROM: Anthony Gregory, Airports Compliance Manager 
DATE: April 21, 2025
RE: DBE Participation Overview for Amendment No. 5 to Contract with AECOM

Summary of Contract and Amendments

The original Consulting Agreement with approved by the Board of County Commissioners (BCC) on July 7, 2023 (R2023-0980) in the amount of \$2,126,629.78. Amendments 1 through 4 increased the contract by \$6,445,746.20 to support a range of professional services for Palm Beach International Airport (PBI), Palm Beach County Park Airport (LNA), and North Palm Beach County General Aviation Airport (F45).

Amendment No. 5 will increase the contract by \$2,765,690.09, bringing the total value to \$11,338,066.07. It includes professional services for several airfield and planning projects, construction-phase support, and budget allocation for Task III Miscellaneous Services.

DBE Participation Summary

A Disadvantaged Business Enterprise (DBE) goal of 20.9% was established for this Consulting Agreement in accordance with the FAA's DBE program and the Department of Airports' ongoing commitment to supplier diversity. Amendment No. 5 reflects a DBE participation rate of 16.17%, equating to approximately \$447,067.82 in commitments to certified DBE firms. These commitments primarily support construction-phase services and specialty consulting tasks.

While the DBE percentage for this amendment is below the overall goal, the cumulative DBE participation across the contract including Amendment No. 5 is 18.9%, or approximately \$2,143,867.48 of the total contract value.

AECOM continues to work with the Department of Airports to identify additional subcontracting opportunities and assign work scopes that will help raise DBE engagement in future task authorizations.

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–111

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

BGEX 121-050125*1259

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 5/1/25	REMAINING BALANCE
EXPENDITURES									
121-A107-6505	Design/Eng/Mgmt - CIP Adm	P-Design/Engineering Services	12,438,034	11,370,653	2,374,871	0	13,745,524	4,392,234	9,353,290
121-A900-9909	Reserves Improvement Program	Capital Reserves	22,469,851	19,524,180	0	2,374,871	17,149,309		17,149,309
Total Expenditures					2,374,871	2,374,871			

SIGNATURES

DATES


Initiating Department/Division

5/1/25

Administration/Budget Department Approval

OFMB Department - Posted

BY BOARD OF COUNTY COMMISSIONERS

At Meeting of: Tuesday, July 8, 2025

Deputy Clerk to the Board of County Commissioners