

PALM BEACH COUNTY DK  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

DK/GW 710  
R2022-0573

**Meeting Date:** June 7, 2022

☐ Consent      ☒ Regular  
☐ Workshop      ☐ Public Hearing

Submitted By: Department of Airports

## I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: Amendment No. 8 to the General Consulting Agreement with AECOM Technical Services, Inc. (AECOM) for Consulting/ Professional Services in the amount of \$1,727,453.97 for the continued performance of professional planning and design services related to the approved Palm Beach County Airports Capital Improvement Program.

**Summary:** The Consulting Agreement with AECOM for general airport planning and design was approved by the Board on March 12, 2019 (R-2019-0301) in the amount of \$828,984.74 in order to carry out the approved Capital Improvement Programs for the County's Airports. Amendment No. 1 was approved by the Board on August 20, 2019 (R-2019-1160) increasing the amount of the contract by \$1,032,651.29. Amendment No. 2 was approved by the Board on February 4, 2020 (R-2020-0079) increasing the amount of the contract by \$1,753,356.78. Amendment No. 3 was approved by the Board on June 16, 2020 (R-2020-0639) increasing the amount of the contract by \$885,789.10. Amendment No. 4 was approved by the Board on October 6, 2020 (R-2020-1514) increasing the amount of the contract by \$1,789,325.00 and modified Article 21, Access and Audits, of the agreement. Amendment No. 5 was approved by the Board on February 9, 2021 (R-2021-0233) exercising the first one (1) year renewal option. Amendment No. 6 was approved by the Board on August 17, 2021 (R-2021-1160) increasing the amount of the contract by \$1,583,691.58. Amendment No. 7 was approved by the Board on February 8, 2022 (R-2022-0134) increasing the amount of the contract by \$1,763,111.51 and exercising the second, and final, one (1) year renewal option. Approval of Amendment No. 8 will provide an additional \$1,727,453.97 to complete the following tasks: Task I Services – Palm Beach International Airport (PBI) Additional Emergency Airport Planning Services; PBI Concessions Planning (Phase 2); Miscellaneous Planning & Engineering Services 2022; PBI Terminal Building 4<sup>th</sup> Level Wall Repairs Construction Administration (CA) Services; PBI People Tube CA Services; PBI Fair Market Annual Rental Value; Fair Market Annual Rental Value (Various Properties/General Aviation Airports); PBI Bridge Repairs (Additional Services); PBI Garage Repairs (Additional Services); PBI Drainage Culvert Design; PBI Roof Replacement CA Services; Palm Beach County Park Airport (LNA) Southside Redevelopment Phases 3 and 4 Planning; PBI Advance Warning Signage; and Task III Services - Miscellaneous Planning and Engineering Services. Work to be completed under these Task III Services will be issued in accordance with PPM CW-F-050, by way of a separate proposal or task authorization. AECOM is a Los Angeles, California based firm; however, the majority of the work to be completed in this agreement will be completed and/or managed through their West Palm Beach and Tampa, Florida offices in conjunction with several Palm Beach County-based sub-consultants and firms. A Disadvantaged Business Enterprise (DBE) goal of 18% was set for this contract. AECOM committed to 18% in its proposal. The anticipated DBE participation based upon the approved tasks is approximately 25.82%. The current paid to date DBE participation is approximately 21.44%. The DBE participation for this Amendment is 14.07%. Pursuant to changes to Chapter 332, Florida Statutes, effective October 1, 2020, a governing body of a commercial service airport may not approve purchases of contractual services in excess of the Category Five threshold amount of \$325,000 provided in Section 287.017, Florida Statutes, on a consent agenda. This amendment exceeds the threshold amount and must be approved on the regular agenda.

**Countywide (AH)**

**Background and Policy Issues: (continued on Page 3)**

**Attachments:**

1. Amendment No. 8 with AECOM Technical Services, Inc. – 2 Originals
2. DBE Goal Information

Recommended By: PWS Laura Baker 5-5-22  
Department Director Date

Approved By: VP Baker 5/17/22  
County Administrator Date



## II. FISCAL IMPACT ANALYSIS

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

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	\$ 1,727,454				
Operating Costs					
External Revenues (Grants)	\$ ( 430,566 )				
Program Income (County)					
In-Kind Match (County)					
<b>NET FISCAL IMPACT</b>	<b>\$ 1,296,888</b>				

**# ADDITIONAL FTE  
POSITIONS (Cumulative)**

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

Budget Account No:	Fund <u>4111</u>	Department <u>121</u>	Unit <u>A107</u>	Object <u>6505</u>
Reporting Category	_____			A383 6505
				A410 6505
				A431 6505

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

Funds are available in the above referenced accounts. Source of funds: Grant funding of \$430,566 and Airport local revenue of \$1,296,888.

### C. Departmental Fiscal Review:

### III. REVIEW COMMENTS

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

Luxmaw 3/6/22  
 OFMB 917 5-5-22  
 5-5-22

Am. G. J. [Signature] 5/13/22  
Contract Dev. and Control  
5-12-22 TCO

**B. Legal Sufficiency:**

Anne Helgent 5/17/22  
Assistant County Attorney

**C. Other Department Review:**

Department Director

REVISÉD 11/17

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

**Background and Policy Issues: (continued from page 1)**

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



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

## SECRETARY'S CERTIFICATE

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

I, Charles F. Szurgot, DO HEREBY CERTIFY that I am the 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 ATS's full legal address is c/o CT Corporation System, 818 West 7<sup>th</sup> Street, Los Angeles, CA 90017-0000 and that the Corporation's principal place of business is 300 South Grand Avenue, 9<sup>th</sup> Floor, Los Angeles, California 90071.

I FURTHER CERTIFY that pursuant to the Written Consent of the Board of Directors of ATS, adopted on October 8, 2018, 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 18<sup>th</sup> day of January, 2019.

Charles F. Szurgot  
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 previous elections of Signatories and Supplemental Signatories of the Corporation dated August 23, 2018, be superseded in its entirety; and

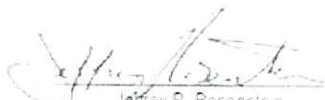
**RESOLVED:** That, in addition to all Senior Vice Presidents and above as set forth in Article IX, Section 16 of the Restated By-Laws as amended, the following U.S. based persons are designated with authority by the Board of Directors to execute contracts and other legal documents on behalf of the Corporation within the boundaries of specific Regions and Business Lines as noted and effective as of the dates set forth below:

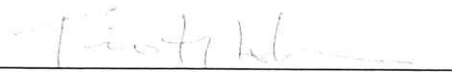
Effective October 8, 2018:

Last Name	First Name	Region	Area/Market Sector	Business Line
Kacer	Andrew	Southeast	Greater Florida	Transportation

IN TESTIMONY WHEREOF, all the Directors have hereunto set their hands this 8<sup>th</sup> day of October, 2018.

  
David Gan

  
Jeffrey P. Rosenstein

  
Timothy Keener

Attachment No. 2

Airport General Consulting Professional Services - 2018					
RFP #: DOA-18-1 - Misc. Projects					
Date: November 29, 2017					
Marketplace: BC, PBC, MDC					
DBE Project Goal: 18% - adjusted for past participation					
NAICS Description	NAICS Code	Estimated Percentage of	Available DBE	Total Available	Weighted Percentage
Engineering Services	541330	30.00%	149	1286	3.48%
Architectural Services	541310	30.00%	40	667	1.80%
Construction Management	236220	10.00%	239	815	2.93%
Testing Services	541380	5.00%	12	92	0.65%
Land Surveying & Mapping	541370	5.00%	24	144	0.83%
Planning Services	541320	10.00%	15	166	0.90%
Other Consulting Services	541690	10.00%	64	571	1.12%
Total		100.00%			11.72%

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



**R2022 0573**

**AMENDMENT NO. 8 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. 8 to the Contract is made as of the \_\_\_\_\_ day of **JUN 07 2022**, 2022, 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 March 12, 2019, the County entered into an Agreement (R2019-0301) 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 two (2) one (1)-year renewal options, the exercise of which are within COUNTY'S sole control and discretion; and

WHEREAS, on August 20, 2019, the County entered into an Amendment No. 1 (R2019-1160) with the Consultant to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on February 10, 2020, the County entered into an Amendment No. 2 (R2020-0079) with the Consultant to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on June 16, 2020, the County entered into an Amendment No. 3 (R2020-0639) with the Consultant to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on October 6, 2020, the County entered into an Amendment No. 4 (R2020-1514) with the Consultant to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on February 9, 2021, the COUNTY entered into an Amendment No. 5 (R2021-0233) with the CONSULTANT to exercise the first one (1) year renewal option for the continuation of services and to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on August 17, 2021, the County entered into an Amendment No. 6 (R2021-1160) with the Consultant to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on February 8, 2022, the COUNTY entered into an Amendment No. 7 (R2022-0134) with the CONSULTANT to exercise the final one (1) year renewal option for the continuation of services and to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

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

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

1. The parties hereby agree to amend the Contract to include the Scope of Services and Fees as outlined in Exhibit A. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed One Million Seven Hundred and Twenty Seven Thousand Four Hundred and Fifty Three Dollars and Ninety Seven Cents (\$1,727,453.97) for the services in Amendment No. 8 to the original Contract.
2. Except as specifically amended herein, all other terms and conditions of the Contract shall remain in full force and effect.

{Remainder of page intentionally left blank.}

IN WITNESS WHEREOF, the parties have caused the Eight 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:

JOSEPH ABRUZZO  
CLERK OF THE CIRCUIT COURT  
& COMPTROLLER

By: [Signature]  
Deputy Clerk

R2022 0573 JUN 07 2022  
PALM BEACH COUNTY, FLORIDA  
BOARD OF COUNTY COMMISSIONERS

By: [Signature]  
Robert S. Weinroth, 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: [Signature]  
County Attorney

APPROVED AS TO TERMS  
AND CONDITIONS

By: [Signature]  
Department Director



# AMENDMENT NO. 8

## INDEX

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### CERTIFICATE OF INSURANCE

#### EXHIBIT A:        AMENDMENT NO. 8

EXHIBIT A-1	Task I-22-PBI-A-064: Additional Airport Planning Services
EXHIBIT A-2	Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)
EXHIBIT A-3	Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022
EXHIBIT A-4	Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase
EXHIBIT A-5	Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services
EXHIBIT A-6	Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value
EXHIBIT A -7	Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties
EXHIBIT A-8	Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)
EXHIBIT A-9	Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)
EXHIBIT A-10	Task I-22-PBI-A-073: Drainage Culvert Project
EXHIBIT A-11	Task I-22-PBI-A-074: PBI Roof Replacement CA Phase
EXHIBIT A-12	Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning
EXHIBIT A-13	Task I-22-PBI-A-076: PBI Advance Warning Signage

**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

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Palm Beach County  
Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00000660	AECOM Technical Services Inc.	Modified	Compliant					DOA 18-1	Consulting Professional Services
		A++g , XV	ACE American Insurance Company	ISAH25564959	4/1/2022	4/1/2023	Auto Liability		
		A++g , XV	ACE American Insurance Company	HDOG72489974	4/1/2022	4/1/2023	General Liability		
		A++g , XV	Illinois Union Insurance Company	EONG21654693005	4/1/2022	4/1/2023	Professional Liability		
		A++g , XV	ACE American Insurance Company	SCFC68926440	4/1/2022	4/1/2023	Workers Comp		
		A++g , XV	ACE American Insurance Company	wlrc68926324	4/1/2022	4/1/2023	Workers Comp		
		A++g , XV	Indemnity Insurance Company of North America	WLRC68926361	4/1/2022	4/1/2023	Workers Comp		

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

## EXHIBIT A

This Amendment No. 8 is in accordance with the Contract (Agreement R-2019-0301) for Consultant/Professional Services between Palm Beach County (COUNTY) and AECOM Technical Services, Inc. (CONSULTANT) dated March 12, 2019.

EXHIBIT A-1	Task I-22-PBI-A-064: Additional Airport Planning Services
EXHIBIT A-2	Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)
EXHIBIT A-3	Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022
EXHIBIT A-4	Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase
EXHIBIT A-5	Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services
EXHIBIT A-6	Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value
EXHIBIT A -7	Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties
EXHIBIT A-8	Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)
EXHIBIT A-9	Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)
EXHIBIT A-10	Task I-22-PBI-A-073: Drainage Culvert Project
EXHIBIT A-11	Task I-22-PBI-A-074: PBI Roof Replacement CA Phase
EXHIBIT A-12	Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning
EXHIBIT A-13	Task I-22-PBI-A-076: PBI Advance Warning Signage

## EXHIBIT A-1



**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-1**

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

**Palm Beach International Airport (PBI-A)  
Task I-22-PBI-A-064: Additional Airport Planning Services**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-064: Additional Airport Planning Services Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT or AECOM)	Management/Administration and High-Level Peer Review of Documents
Ross & Baruzzini (R&B)	Planning Services

**SCOPE OF WORK**

AECOM is submitting this Project Task based on discussions with the Palm Beach County Department of Airports (DOA) held on October 26, 2021. The Project provides additional services to the previously developed Task I-19-PBI-A-036: Airport Plans Review Project, where AECOM developed the Infectious Disease and Pandemic Response Plan, the Active Shooter Response and Recovery Plan, the Emergency Communications Plan, and the Airport Emergency Plan.

Under this Task I-22-PBI-A-064: Additional Airport Planning Services Project, the following items will be developed: Airport Evacuation Plan, Additional Plan Coordination, Multi-Year Training and Exercise Plan (MYTEP), Plan Orientation Training, and the PBI Hurricane Plan. See the attached detailed scope for these items prepared by R&B.

**DELIVERABLES**

Deliverables include the following:

- Airport Evacuation Plan
- Multi-year Training and Exercise Plan
- PBI Hurricane Plan

**PROJECT SCHEDULE**

The schedule for each of these tasks will vary, but all should be complete within 6 months.

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-064: Additional Airport Planning Services

Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 219	\$ 120	\$ 107	\$ 89	\$ 90				
Labor Estimate (Hours)										Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
Task I-22-PBI-A-064: Additional Planning Services													
	Total	0	56	20	0	0	0	0	16	92	\$16,516	\$0	\$16,516
QA For Each Document			48	8						56	\$10,664		\$10,664
Attend Meetings			8	8						16	\$3,424		\$3,424
Task Management and Coordination				4					16	20	\$2,428		\$2,428
<b>Total Fee - AECOM Technical Services, Inc.</b>		0	56	20	0	0	0	0	16	92	\$ 16,516	\$ -	\$ 16,516
<b>Subconsultant Fees Task 1.0</b> Ross & Baruzzini, Inc <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div> T&amp;M    \$ 110,480 </div> <div> <div>Task 1.0 (Lump Sum)    \$16,516</div> <div>Task 2.0 (Time &amp; Material)    \$110,480</div> <div>Expenses    \$0</div> <hr style="width: 50%; margin: 0;"/> <div>Total    \$126,996</div> </div> </div>													
<b>GRAND TOTAL FEE - BASIC ENGINEERING SERVICES</b>													

March 30, 2022

Andy Kacer  
AECOM  
7650 West Courtney Campbell Causeway  
Tampa, Florida 33607

Re: Proposal – Additional Airport Planning Services

Dear Mr. Kacer,

As we discussed on December 10, 2021, we are submitting this proposal based on discussions with the Palm Beach County (PBC) Department of Airports (DOA) held on October 26, 2021. The additions are described below:

- **Airport Evacuation Plan** – Use the existing draft Evacuation Plan, the general format developed by Ross & Baruzzini, and data provided by DOA, to finalize the Evacuation Plan in a format consistent with other plans developed on behalf of DOA. Data needs from DOA include evacuation routes, assembly areas, and locations of other life/safety equipment such as Automated External Defibrillators. CAD or other graphical drawings of PBI are also requested to develop graphical support tools for evacuation and shelter-in-place. The completed Evacuation Plan will support procedures described in the Active Shooter Response and Recovery Plan.
- **Additional Plan Coordination** – To support ongoing coordination, Ross & Baruzzini will conduct additional remote meetings with DOA and external agencies to ensure effective coordination of plans with existing authorities, conditions, and resources.
- **Multi-Year Training and Exercise Plan (MYTEP)** – Ross & Baruzzini will develop a MYTEP consistent with the Homeland Security Exercise and Evaluation Program (HSEEP) guidance. The MYTEP will provide a five-year training and exercise schedule to support development and maintenance of emergency response and recovery competencies.
- **Plan Orientation Training** – Ross & Baruzzini will work with DOA to identify specific training modules to implement plans developed under this project and support development of right-sized curricula for PBI stakeholders.
- **PBI Hurricane Plan** – Review the existing Hurricane Plan and modify consistently with other plans modified under this project.

Ross & Baruzzini, Inc. proposes to provide the above noted services on a time and materials basis based on the approved rates provided below:

Description	Hourly Billing Rates	Description	Hourly Billing Rates
Senior Project Principal	\$275	Commissioning Agent	\$120
Project Principal	\$245	Architect	\$110
Senior Design Consultant	\$210	Senior Designer	\$100
Senior Project Manager	\$180	Commissioning Field Engineer	\$85
Design Consultant	\$165	Designer	\$85
Project Manager	\$160	Senior Project Coordinator	\$85
Commissioning Authority	\$160	Interior Designer	\$70

Cost estimates for each of the additional services are provided below:



Task	Michael Steinle Project Principal	Hunter Fulghum Sr. Project Principal	Mike Adams Sr. Project Manager	Dave McGee Sr. Design Consultant	Sr. Project Coord.	ODCs	Total Labor Hours	Total Labor
RATE	\$245.00	\$275.00	\$180.00	\$210.00	\$85.00	---	---	---
Task 1: Evacuation Plan								\$17,060.00
1.1 Modify Planning Structure	4		1				5	\$1,160.00
1.2 Develop Evacuation/Assembly Area Tools	24		3				27	\$6,420.00
1.3 Draft/Final Plan	32	4	3				39	\$9,480.00
Task 2: Additional Plan Coordination								\$23,240.00
2.1 DOA Review Meetings	40	4	4				48	\$11,620.00
2.2 External Agencies	40	4	4				48	\$11,620.00
Task 3: Multi-Year Training and Exercise Plan								\$35,460.00
3.1 Initial MYTEP development meeting	4	4	4				12	\$2,800.00
3.2 Draft and final versions of the MYTEP	80	4	8				92	\$22,140.00
3.3 Template documents to support exercises	40		4				44	\$10,520.00
Task 4: Plan Orientation Training								\$18,460.00
4.1 Curriculum Development-Plan Orientation	40	4	4				48	\$11,620.00
4.2 New Plan Orientation Training	16	8	4				28	\$6,840.00
Task 5: Hurricane Plan								\$16,260.00
5.1 Modify Planning Structure	8		2				10	\$2,320.00
5.2 Develop Hurricane Time-Elapsed IAPs	16		2				18	\$4,280.00
5.3 Draft and Final Modifications	32	4	4				40	\$9,660.00
Totals	376	36	47	0	0	\$0	459	\$110,480.00

This change order request was developed under the following assumptions:

1. The cost estimate for line item 4.2, New Plan Orientation Training, includes preparation and provision of one (1) four-hour training session conducted virtually; consultation with DOA is necessary to determine the desired method of delivery and number of sessions to develop an accurate cost estimate;
2. DOA agrees that it is their responsibility to provide all relevant documents (in writable source files, if possible) described herein to support plan review, revision, and development;
3. AECOM will support meeting scheduling and facilitate client interactions;
4. Travel will be charged at cost if in-person trips are requested by DOA;
5. Details regarding Orientation Training (Task 5) will be discussed with DOA, the outcome of which may impact the proposal provided above;
6. DOA will review draft documents and provide comments on each draft document within two weeks of submission to avoid schedule delays;
7. DOA will provide access to and participation of staff and stakeholders for relevant tasks identified herein; and
8. All draft submittal comments will be returned to Ross & Baruzzini in one consolidated volume.

Andy Kacer  
Palm Beach County Department of Airports  
Change Order Request – March 24, 2022

**Ross & Baruzzini**

We appreciate the opportunity provide this change order request and look forward to working with you toward the successful completion of the project.

Respectfully,  
ROSS & BARUZZINI, INC.



Michael W. Zoia, CPP, PSP, RCDD  
Vice President, Director of Aviation – North America

## EXHIBIT A-2

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-2**

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

**Palm Beach International Airport (PBI)**

**Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-065: Concession Planning (Phase 2) Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONSULTANT)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration
AirProjects, Inc. (AirProjects or SUBCONSULTANT)	Concession Planning

**SCOPE OF WORK**

AECOM, with AirProjects as our subconsultant, participated in an initial concession planning phase of work with the DOA, AECOM, and RS&H. During this initial effort, the DOA identified a desire to develop a long-term concession plan for the expanded and renovated PBI Terminal (the Terminal) at Palm Beach International Airport (the Airport) to be implemented as the existing concession program is re-leased and the terminal redeveloped over time. The existing concession leases expire in October 2024, and DOA management would like to issue a request for proposals (RFP) for the new opportunities in late 2022 or early 2023 based on a phasing plan to be developed as part of this project. DOA management identified the following overall goals and objectives:

- Redevelop the concession program to provide a high level of customer service that is creative, different, and has an energetic spark.
- Modernize concession brands, offerings, and ambiance.
- Provide rear servicing of the concessions to the extent possible.



- Enhance the sense of place in the terminal, ensuring that the program conveys the look and feel of the “new” Palm Beach.

Under this PBI Concession Planning (Phase 2) Task, AirProjects will develop the Following Tasks:

1. Complete Concourse B Concession Plan
2. Prepare Concourse B Concession Concept Plan & Program Priorities
3. Assess Concession Demand for Concourse C, Connector, and Pre-security Zones, and,
4. Prepare Concession Concept Plan

This Project is described in detail in the attached scope developed by AirProjects.

### **DELIVERABLES**

AirProjects will provide marked up plans for the connector, pre-security area, and Concourse C to identify locations for the future concession program by category. AirProjects will also prepare and summarize in a PowerPoint presentation the concepts planned for the entire concession program (Concourses A, B, and C, pre-security, and connector zones) and participate in an online meeting with DOA management to review the information. *Sales projections and feasibility analyses would be completed in the next phase of work to prepare for the concession RFP.*

### **PROJECT SCHEDULE**

The deliverables will be completed within 4 months from the NTP.

### **Assumptions:**

AECOM is not responsible for the review or verification of AirProject’s work.

Exhibit B-1
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Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)

Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 219	\$ 120	\$ 107	\$ 89	\$ 90				
Labor Estimate (Hours)										Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)													
	Total	0	0	8	0	0	0	0	24	32	\$4,136	\$0	\$4,136
Task Management and Administration				8					24	32	\$4,136	\$0	\$4,136
Total Fee - AECOM Technical Services, Inc.		0	0	8	0	0	0	0	24	32	4,136	0	4,136
<div> <div> Subconsultant Fees Task 1.0  AirProjects </div> <div> LS \$ 45,260  Expenses \$ 3,006 </div> <div> Task 1.0 (Lump Sum) \$49,396  Task 2.0 (Time &amp; Material) \$0  Expenses \$3,006  Total \$52,402 </div> </div>													
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES													



**PALM BEACH INTERNATIONAL AIRPORT  
CONCESSION PLANNING AND IMPLEMENTATION  
CONSULTING SERVICES FOR THE  
PALM BEACH COUNTY DEPARTMENT OF AIRPORTS**

## **PROJECT BACKGROUND**

AirProjects, Inc. (AirProjects) participated in an initial phase of work with the Senior Management of the Palm Beach County Department of Airports (the DOA), AECOM, and RS&H. During this initial effort, DOA management identified a desire to develop a long-term concession plan for the expanded and renovated Terminal (the Terminal) at Palm Beach International Airport (the Airport) to be implemented as the existing concession program is released and the terminal redeveloped over time. The existing concession leases expire in October 2024, and DOA management would like to issue a request for proposals (RFP) for the new opportunities in late 2022 or early 2023 based on a phasing plan to be developed as part of this project. DOA management identified the following goals and objectives:

- Redevelop the concession program to provide a high level of customer service that is creative, different, and has an energetic spark.
- Modernize concession brands, offerings, and ambiance.
- Provide rear servicing of the concessions to the extent possible.
- Enhance the sense of place in the terminal, ensuring that the program conveys the look and feel of the “new” Palm Beach.

AirProjects performed an initial review of the existing concession program performance and plans and space needs in order to provide initial comments on the Concourse B expansion plans prepared by RS&H. This scope of services is the next phase of work to be completed by AirProjects as part of a scope of services to be implemented over the next two years to achieve the desired goals and objectives and set the stage for the redevelopment of the concession program, including recommendations that can be accomplished over the next few years.



# CONCESSION DEVELOPMENT STRATEGY

To achieve the DOA’s goals, the overarching strategy must include a plan to develop and phase the recommended concession program to coincide with the Terminal redevelopment. The strategy, including the re-leasing of the retail and food service concessions, can be viewed as developing a “roadmap” that will guide the DOA toward the final destination – a fully-redeveloped and customer-focused concession program.

Our strategy includes four key components:



### Concession Master Plan Development (Phase 2 Tasks)

The first component of the strategy is identifying the final goal—the concession master plan. While the master plan may be refined during subsequent efforts as a result of additional financial or physical analyses and constraints, it will be important to have a plan to work toward. AirProjects would work with the DOA and AECOM to develop a comprehensive concession master plan that would accomplish the established goals, which could be implemented along with the Terminal redevelopment and accommodate the current concession lease expirations. AirProjects has a proven and reliable concession master-planning methodology supported by market-driven analytics and sound physical planning. The master plan would focus on changes and improvements that result in a customer-focused program based on DOA passenger projections and appropriately allocated concessions to maximize the real estate, revenue, and customer service, through a targeted mix of concepts and brands (i.e., national, local, proprietary) that could be implemented in a way that allows the DOA and concessionaires to succeed.

Using the results of the demand analysis that support the concession master plan, AirProjects would accelerate the concession plan for Concourse B since the schematic design for the redevelopment of that concourse is currently underway.

### Implementation Analysis (Scope and Fee to Be Developed at a Later Date)

With the concession master plan developed, AirProjects would work with DOA management to address the specific details to implement the master plan and progress from the existing



condition to the completed plan. Key factors to be incorporated in the implementation analysis would include the following:

- October 2024 expirations for all food service and retail concession leases
- Adapting concession spaces to the highest and best use to meet market needs
- Consideration of potential impacts on the concession program from the Sustainability Management Plan (SMP)
- Consideration of potential buyouts that could be implemented after 2023
- Sales and revenue projections for potential program changes

Considering these factors, AirProjects would work with DOA management through an iterative process to assess alternatives and finalize the preferred strategy. If necessary, cost-benefit analyses would be prepared to assess potential investments on the part of the DOA to ensure that changes would be worthwhile.

AirProjects would engage with DOA management through in-person and online meetings to allow for the exchange of ideas and real-time input. The result of this effort would be a concession master plan that is beneficial for the DOA to implement.

**Phasing, Level of Service Analysis, and Leasing Plan** (Scope and Fee to Be Developed at a Later Date)

Once the master plan is developed, AirProjects would work with DOA management to develop a plan to phase in and lease the new program while ensuring a satisfactory level of customer service and continued revenue stream. A leasing strategy would be developed with the DOA that would enable the development of the concession master plan in conjunction with the Terminal redevelopment. Strategies to package concessions to achieve the desired concepts and financial returns will be important. AirProjects' tested and proven analyses to develop the business terms for each lease would be used to test each package of concessions and ensure a competitive leasing process. A timeline showing each concession unit, the existing and future category/concept, the anticipated date(s) of leasing and reconcepting and/or redevelopment, and the resulting level of service (LOS) for each terminal zone would be developed, as needed, to plan the leasing effort while ensuring a satisfactory level of service throughout the process. During this process, the following would be considered:

- Ability to use short-term extensions and/or early buy-outs to achieve interim/future goals and maintain desired levels of service
- Typical durations for solicitation processes at the Airport

As needed, iterations of the concession packaging, phasing, and LOS schedule will be evaluated to arrive at a final, positive result.

**Solicitation Assistance** (Scope and Fee to Be Developed at a Later Date)

AirProjects would review the DOA's existing concession request for proposals (RFP) form and concession agreement form and update them, as needed, to ensure that they incorporate industry best practices, environmental objectives, and post-Covid-19 considerations. We

would bring our extensive experience with airport commercial solicitations to bear on the DOA's process. At the discretion of DOA management and based on the final master plan and concession lease packages, AirProjects could perform various tasks, as needed, including outreach to local and national food service and retail operators, pre-proposal conference support, development of evaluation materials, evaluation panel training, review of proposals received, and conducting interviews and lease negotiations.

The Phase 2 tasks of the project to complete the concession master plan are included below. Once these are complete (or while they are underway), the next steps (Implementation Analysis; Phasing, Level of Service Analysis and Leasing Plan; and Solicitation Assistance) can be determined with DOA management.

## **Phase 2 Tasks – Concession Master Plan Development**

### **Task 1. Complete Concourse B Concession Plan**

Goals: Confirm space allocation and unit sizes and configurations for the concessions planned for the expanded Concourse B, considering the concession space that will be allocated near the Concourse A/B security checkpoint and in the new connector.

- Obtain and review updated plans for the expanded Concourse B based on input provided in Phase I (scaled pdf plans showing all concession space and square footage would be provided by AECOM/RS&H). Any updated plans on the Concourse A/B security checkpoint area, the connector, or potential space allocations for concessions in these areas would also be provided to AirProjects to provide a complete picture of the potential concession space with exposure to the Concourse B passengers.
- Mark up plans with comments regarding the concession program, as appropriate.
- Participate in review meetings (two online meetings are budgeted) with AECOM, RS&H, and DOA management to review the plans and finalize the concession space in Concourse B.

### **Task 2. Prepare Concourse B Concession Concept Plan & Program Priorities**

Goal: Prepare a concession unit plan for Concourse B and a priority list of concessions for the other areas in the Airport terminal.

- Conduct a site visit to walk through the Terminal with DOA management and conduct a brief market research tour online and in the local area to identify food service and retail trends and potential concepts that could be adapted for the Airport.
- AirProjects would develop a high-level priority list of concessions by zone (concourse, pre-security, post-security connector), category (food service, convenience retail, specialty retail), and type (for instance, food service types such as casual dining restaurant, quick service, snack/coffee/bakery, and bar with food). For Concourse B,



specific concepts (i.e., Quick Service-Mexican, Apparel) would be identified for each unit to provide input for the ongoing design effort. The base building plan for Concourse B provided by RS&H would be marked up to identify a specific unit location for each concept. Additional alternatives or refinements to the Concourse B concession plan would be included in the next tasks.

**Work Product:** AirProjects would summarize the findings from the local market research, the priority list of concessions, and the Concourse B concession concept plan in a brief PowerPoint presentation and participate in an online meeting with DOA management to review the information.

### **Task 3. Assess Concession Demand for Concourse C, Connector, and Pre-security Zones**

**Goal:** Confirm supportable concession space for Concourse C, the connector, and pre-security areas to inform the future concession program and mix.

- Estimate the supportable concession space required to meet future passenger demand in Concourse C as well as the potential requirements in the connector and pre-security.
- Compare the supportable space estimates by location with the existing and planned space, identifying potential variances.
- Confirm concession space to be used in the planning effort in Task 4.

### **Task 4. Prepare Concession Concept Plan**

**Goal:** Evaluate the space allocation and general mix of food service and retail concessions in the existing terminal as well as the concession space planned in the connector and Concourse B to prepare a concession plan for the future connector and identify specific concession concepts for the remainder of the future concession program (pre-security and Concourse C) to provide a consolidated concession concept plan for the Airport considering:

- Existing concepts and program voids
- Historical performance by concept
- Existing and planned concession space versus supportable space for the planning year

AirProjects would:

- Obtain and review updated plans for the connector to be built between Concourses B and C (scaled pdf plans would be provided by AECOM/RS&H).
- Mark up the connector plans with comments regarding the concession program space allocations and layouts. The base building plan for the connector provided by RS&H would be marked up to identify a specific unit locations and layouts by concession category.

- Participate in review meetings (two online meetings are budgeted) with AECOM, RS&H, and DOA management to review the plans and finalize the concession space in Concourse B.
- Obtain and review plans for the future pre-security areas and Concourse C from Airport management. Identify future concession locations in accordance with the supportable space projections for review and discussion with DOA management.
- Using information collected from the market research and prior tasks, identify specific concepts for each unit in the connector and Concourse C to provide input for the ongoing connector design effort as well as the future concession Request for Proposals (RFP) for the Airport.

**Work Product:** AirProjects would provide marked up plans for the connector, pre-security area, and Concourse C to identify locations for the future concession program by category. AirProjects would also prepare and summarize in a PowerPoint presentation the concepts planned for the entire concession program (Concourses A, B, and C, pre-security, and connector zones) and participate in an online meeting with DOA management to review the information. *Sales projections and feasibility analyses would be completed in the next phase of work to prepare for the concession RFP.*

### **Next Steps**

At the conclusion of Phase 2 (or close thereto), AirProjects and DOA management would agree on the next tasks to be completed to implement the new concession program, including solicitation efforts.

### **Proposed Budget for Phase 2 Tasks**

AirProjects proposes the **lump sum cost** to develop these Phase 2 tasks to be \$45,260. Reimbursable expenses for one trip for two consultants are estimated at \$3,006.





Palm Beach International Airport										
Concession Planning and Implementation Consulting Services										
AIRPROJECTS BUDGET - Phase 2 Tasks										
April 25, 2022										
	Hourly Rate	Principal	Associate Director	Manager	Consultant	Project Support	Total			
							Hours	Fee	Travel	
									Expenses	Person-Trips
PHASE 2 TASKS										
Task 1. Complete Concourse B Concession Plan		16		12	2	1	31	\$6,335		
Task 2. Prepare Concourse B Concession Concept Plan & Program Priorities		38	4	38	2	2	84	\$17,160	\$3,006	2
Task 3. Assess Concession Demand for Concourse C, Connector, and Pre-security Zones		4	2	5	1		12	\$2,420		
Task 4. Prepare Concession Concept Plan		32	2	16	2	1	53	\$11,245		
Ad Hoc Meetings and Project Coordination		8	2	6		1	17	\$3,505		
Final Work Product		8	4	8	2	1	23	\$4,595		
Total Hours		106	14	85	9	6	220			
Total Labor		\$24,910	\$3,010	\$15,300	\$1,350	\$690		\$45,260		
Total Reimbursable Travel Expenses								\$3,006		
Total Project Budget								\$48,266		

## EXHIBIT A-3

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-3**

**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-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022 Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
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 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 of these tasks, followed up by clarifications of our reasoning for developing our associated fees.
- 02: AECOM will assist the DOA with miscellaneous planning, programming, engineering, and architectural 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 miscellaneous small assignments, preparing preliminary cost estimates, and other miscellaneous tasks. 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-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022

Labor Estimate (Hours)											Fee Estimate (\$)			
Task Description			Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022														
		Total	0	0	80	35	120	90	0	0	325	\$51,455	\$0	\$51,455
01	Independent Fee Estimates (IFE)				20		40	40			100	\$14,020	\$0	\$14,020
02	Miscellaneous Programming, Engineering and Architectural				30	20	40	30			120	\$19,800	\$0	\$19,800
03	Programming for Upcoming Tasks				30	15	40	20			105	\$17,635	\$0	\$17,635
Total Fee - AECOM Technical Services, Inc.			0	0	80	35	120	90	0	0	325	\$1,455	0	\$1,455
Subconsultant Fees Task 1.0														
									Task 1.0 (Lump Sum)	\$51,455				
									Task 2.0 (Time & Material)	\$0				
									Expenses	\$0				
									Total	\$51,455				
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES														

## EXHIBIT A-4

## EXHIBIT A-4

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**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-4**

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

**Palm Beach International Airport (PBI)**

**Task I-22-PBI-A-067: PBI Terminal Building 4<sup>th</sup> Level Wall Repairs Construction Administration Phase**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-067: PBI Terminal Building 4<sup>th</sup> Level Wall Repairs Construction Administration Phase Project (Project). This project repairs the stucco clad walls (elevator vestibules, penthouses, and mechanical room walls) on the 4th Level and replaces six (6) ventilator fans. This Project also includes an Arc Flash Analysis Update for the Terminal.

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration and CA Services
Quantum Electrical Engineering, Inc. (QEE)	Electrical CA Services
Colome and Associates (C&A)	Architectural CA Services
Johnson, Levinson, Ragan, Davila, Inc. (JLRD)	Mechanical CA Services

**Task I – CA Services**

AECOM will provide the following CA Services:

- A. Conformed Documents: Prepare (6) sets of Conformed Contract Plans and Specifications for Contract Execution. Prepare (6) sets of Executed Contract Documents for Construction, (4) for DOA and (2) for the Contractor. Prepare a CD with Deliverables;



- B. Conferences and Meetings: Attend and support/facilitate meetings between the DOA, CMAR, and Stakeholders, such as progress meetings (a maximum of 18 bi-weekly meetings during procurement, 13 bi-weekly construction progress meetings, plus 5 miscellaneous meetings);
- C. 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;
- D. Interpretation and clarification of Contract Documents: Respond to various Requests for Information, Job memoranda, and other field prepared inquiries;
- E. 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. Record names, addresses and telephone numbers of all Contractors, subcontractors and major suppliers of material and equipment;
- F. Periodic site visits to monitor construction activity;
- G. AECOM will be responsible for preparation, processing, review and document control of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.
- H. AECOM will review Contractor as-builts for completeness and obvious errors based on readily available information to AECOM. AECOM will provide comments prior to acceptance of the Contractor's As-builts.
- I. Substantial and Final Completion: Conduct substantial and final completion inspection in the company of the owner, and Contractor and prepare a substantial completion, and if necessary a final punch list of items in conjunction with Owner to be completed or corrected;
- J. AECOM will use all readily available information including the Contractor's As-builts to prepare Record Drawings for the completed work;
- K. Task Management and Coordination: Coordinate as needed with DOA, CMAR, and other Project stakeholders; and
- L. Project Close-out Activities: AECOM will prepare Certificate of Substantial Completion and other Project related Close-out activities.

## **Task II – Arc Flash Analysis Update for Terminal**

AECOM will provide the following Services:

- A. Updating the existing power system model in SKM Power Tools for Windows for the modifications to the electrical distribution systems. This update will be specific to the modifications with Panel "VE" and supply fan electrical distribution systems.
- B. Perform Short Circuit, Device Coordination and Arc Flash Calculations using SKM.
- C. Review and evaluate device settings on approximately 15 circuit breakers. Replace existing and/or create new Time Current Curves (TCC) for approximately 2 devices.
- D. Update one-lines, written report and tabular data.
- E. Develop new Arc Flash labels and replace the arc flash labels (approximately 5 labels) impacted by this project.
- F. Modify circuit breaker and relay settings for new and existing equipment as required by the study.

### **PROJECT SCHEDULE**

The CMAR, and our CA Services, are anticipated to last approximately one year to complete (procurement, construction, and close-out).

### **PROJECT DELIVERABLES**

Project Deliverables are as described in the above-mentioned Task I and Task 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 CMAR or the safety precautions and programs incident to the work of the CMAR. AECOM shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the CMAR to perform the construction work in accordance with the Contract Documents.
2. AECOM will perform all services listed in this scope of services and it is expected that the DOA will perform all other construction related services that are not listed.
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 CMAR, 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-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase														
Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 182	\$ 120	\$ 97	\$ 89	\$ 90					
Labor Estimate (Hours)										Fee Estimate (\$)				
Task Description		Principal	QC Reviewer	Senior Project Manager	Construction Manager	Project Engineer	Resident Project Representative	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total	
Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase														
	CONSTRUCTION ADMINISTRATION SERVICES (LUMP SUM + REIM.)	Total	0	6	24	94	118	0	0	16	258	\$39,722	\$1,900	\$41,622
A	Prepare Conform Documents			2		2	8			12	\$ 1,686	\$ 600	\$ 2,286	
B	Meetings (18 Const. Meetings)				2	18	18			38	\$ 5,930		\$ 5,930	
C	Process Review and Approve Shop Drawings and Submittals				2	12	16			30	\$ 4,596		\$ 4,596	
D	Interpretation and Clarification of Contract Documents(RFI)				2	16	16			34	\$ 5,326		\$ 5,326	
E	Establish and Maintain Project Records				2	2	2			4	\$ 604		\$ 604	
F	Periodic Site Visits			2		8	8			18	\$ 2,910	\$ 800	\$ 3,710	
G	Review/Processing of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.				2	12	12			26	\$ 4,118		\$ 4,118	
H	As Built Review					4	12			16	\$ 2,168		\$ 2,168	
I	Substantial w/ Punch List and Final Completion Inspector					4	4			8	\$ 1,208	\$ 500	\$ 1,708	
J	Prepare Record Drawings		4	2		8	14			28	\$ 4,354		\$ 4,354	
K	Task management and Coordination					4			16	20	\$ 2,428		\$ 2,428	
L	Project Closeout					8	8			24	\$ 4,392		\$ 4,392	
			0	6	24	94	118	0	0	16		1,900		
Total Fee - AECOM Technical Services, Inc.		\$0	\$1,086	\$5,928	\$17,108	\$14,160	\$0	\$0	\$1,440	\$39,722	\$1,900	\$41,622		
Subconsultant Fees Task 1.0														
	Quantum Electrical Engineering, Inc. (LS)	\$ 15,605.62												
	Quantum Electrical Engineering, Inc. (Exp.)													
	JLRD (LS)	\$ 7,330												
	JLRD (Exp.)													
	Colome & Associates (LS)	\$ 34,594.34												
	Colome & Associates (Exp.)													
Total Fee - Subconsultants		\$ 57,529.96												
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES														
		\$ 99,151.96												
Prepared by: AECOM Technical Services, Inc.														

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase														
Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 182	\$ 120	\$ 97	\$ 89	\$ 90					
Labor Estimate (Hours)										Fee Estimate (\$)				
Task Description		Principal	QC Reviewer	Senior Project Manager	Construction Manager	Project Engineer	Resident Project Representative	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total	
Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase														
	CONSTRUCTION ADMINISTRATION SERVICES (LUMP SUM + REIM.)	Total	0	6	24	94	118	0	0	16	258	\$39,722	\$1,900	\$41,622
A	Prepare Conformed Documents			2		2	8			12	\$ 1,686	\$ 600	\$ 2,286	
B	Meetings (18 Const. Meetings)				2	18	18			38	\$ 5,930		\$ 5,930	
C	Process Review and Approve Shop Drawings and Submittals				2	12	16			30	\$ 4,598		\$ 4,598	
D	Interpretation and Clarification of Contract Documents(RFI)				2	16	16			34	\$ 5,326		\$ 5,326	
E	Establish and Maintain Project Records				2	2	2			4	\$ 604		\$ 604	
F	Periodic Site Visits			2		8	8			18	\$ 2,910	\$ 800	\$ 3,710	
G	Review/Processing of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.				2	12	12			26	\$ 4,118		\$ 4,118	
H	As Built Review					4	12			16	\$ 2,168		\$ 2,168	
I	Substantial w/ Punch List and Final Completion Inspector					4	4			8	\$ 1,208	\$ 500	\$ 1,708	
J	Prepare Record Drawings		4	2		8	14			28	\$ 4,354		\$ 4,354	
K	Task management and Coordination					4			16	20	\$ 2,428		\$ 2,428	
L	Project Closeout					8	8			24	\$ 4,392		\$ 4,392	
			0	6	24	94	118	0	0	16		1,900		
Total Fee - AECOM Technical Services, Inc.		\$0	\$1,086	\$5,928	\$17,108	\$14,160	\$0	\$0	\$1,440	\$39,722	\$1,900	\$41,622		
Subconsultant Fees Task 1.0														
	Quantum Electrical Engineering, Inc. (LS)	\$ 15,605.62												
	Quantum Electrical Engineering, Inc. (Exp.)													
	JLRD (LS)	\$ 7,330												
	JLRD (Exp.)													
	Colome & Associates (LS)	\$ 34,594.34												
	Colome & Associates (Exp.)													
Total Fee - Subconsultants		\$ 57,529.96												
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES														
		\$ 99,151.96												
Prepared by: AECOM Technical Services, Inc.														



April 25, 2022

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

Subject: Electrical Construction Administration Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – PBIA Terminal 4<sup>th</sup> Level Exterior Wall Repair.

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical construction administration services fee proposal for the Palm Beach County Department of Airports (DOA) – PBIA Terminal 4th Level Exterior Wall Repair.

#### **Task 1: Construction Administration Services**

- Includes preparation of Conformed Documents for Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes (8) site observation visits.
- Includes attendance at bi-weekly progress meetings (13) with DOA, AECOM and Contractor.
- Includes requests for information reviews & approvals.
- Includes change order reviews and comments.
- Includes substantial and final completion inspections.
- Includes record drawings based on Contractor "Red Line Plan Mark-ups."

#### **Task 2: Arc Flash Analysis Update for Terminal**

- Up-dating the existing power system model in SKM Power Tools for Windows for the modifications to the electrical distribution systems. This update will be specific to the modifications with Panel "VE" and supply fan electrical distribution systems.
- Perform Short Circuit, Device Coordination and Arc Flash Calculations using SKM.
- Review and evaluate device settings on approximately 15 circuit breakers. Replace existing and/or create new Time Current Curves (TCC) for approximately 2 devices.
- Update one-lines, written report and tabular data.
- Develop new Arc Flash labels and replace the arc flash labels (approximately 5 labels) impacted by this project.
- Modify circuit breaker and relay settings for new and existing equipment as required by the study.

Lump-Sum fee for Task 1 CA Services is:

\$ 9,836.46

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

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

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



Page 2

Mr. Andy Kacer, P.E.

Scope & Fee for PBIA Terminal 4th Level Exterior Wall Repair CA Services

Lump-Sum fee for Task 2 Arc Flash Update for Terminal is: \$ 5,769.16

**Our proposed total Lump-Sum fee is:** **\$ 15,605.62**

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

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954.369.5810

<b>PALM BEACH COUNTY DEPARTMENT OF AIRPORTS- PBI TERMINAL 4TH LEVEL EXTERIOR WALL REPAIR CA SERVICES</b> <b>QUANTUM ELECTRICAL ENGINEERING, INC.</b> <b>SCOPE FEE SUMMARY</b> <b>FEE PROPOSAL ELECTRICAL SERVICES to AE 4/25/2022</b>									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Proj. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
<b>Task 1: Construction Administration Services</b>									
Prepare Conformed Documents			1	1			2		\$207.69
Review and Approve Shop Drawings		12					12		\$1,730.76
On-site Observations/Field Visits (8 visits @ 3hrs ea)		24				4	28		\$3,646.12
Bi-weekly Construction Coordination Meetings (13 meetings at 1hr ea)		13					13		\$1,874.99
Respond to Requests for Information (RFI)		4		4		2	10		\$946.14
Change Orders		1					1		\$144.23
Substantial Completion		4					4		\$576.92
Final Completion		2					2		\$288.46
Review As-builts			1				1		\$138.46
Prepare Record Documents		1		2			3		\$282.69
<b>Subtotal</b>	<b>0</b>	<b>61</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>76</b>		<b>\$9,836.46</b>
<b>Task 2: Arc Flash Analysis Update for Terminal</b>									
Model Update/Arc Flash Analysis		16	8				24		\$3,415.36
Update Report & Labeling		8	4	4		8	24		\$2,353.80
<b>Subtotal</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>4</b>	<b>0</b>	<b>8</b>	<b>48</b>		<b>\$5,769.16</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>85</b>	<b>14</b>	<b>11</b>	<b>0</b>	<b>14</b>	<b>124</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$12,259.55</b>	<b>\$1,938.44</b>	<b>\$761.53</b>	<b>\$0.00</b>	<b>\$646.10</b>			<b>\$15,605.62</b>

## **AUTHORIZATION FOR ENGINEERING SERVICES**

**CLIENT:** Mr. Andrew Kacer, P. E., Vice President – Airports  
AECOM Technical Services, Inc.

**PROJECT:** PBIA Terminal Building 4<sup>th</sup> Level Exterior Wall Repairs – Ventilation Fans  
**RE:** Construction Administration Services

**DATE:** April 12, 2022

**JLRD PROJECT NO.:** 122007

In accordance with the contract for the above referenced project, JLRD, Inc. is hereby authorized to perform the Engineering Services requested by AECOM, Inc. (the Client) as outlined below:

### **SCOPE:**

1. Provide additional engineering services for this Project to include construction administration services, as follows:
  - Provide Shop Drawing review, Field Observations (monthly), Bi-weekly and Miscellaneous OAC meetings (13 meetings total), respond to construction RFI's, ASI's and produce AS-BUILT drawings from contractors redlines at the end of the project.

### **PROJECT SCHEDULE**

- The estimated CA duration for the project is a 360 day period to include procurement, construction, and a closeout period.
- The Construction Administration scope will last for the duration of the project.

EXCLUSIONS

- Witnessing of any testing procedures.

**FEES:**

1. The above-mentioned scope shall be provided based upon a lump-sum fee amount as follows:
  - *Seven Thousand Three Thirty Dollars (\$7,330.00)*

**TIME OF PERFORMANCE:**

1. Design services will be completed with due and reasonable diligence after receipt of this executed authorization.

Accepted By:

Date:

\_\_\_\_\_

\_\_\_\_\_



DESIGN LABOR BREAKDOWN																			
TASK	HOURS														SEC	Tot	Cost		
	Principal		PE		Eng		Sr. Dsgn		Dsgn		Off Hours		CAD						
	200	200	130	130	85	85	120	120	75	75	128	128	55	65					
	M	E	M	E	M	E	M	E	M	E	M	E	-	-					
BASE DESIGN SCOPE																			
Task 1																			
RFIs / Submittals / Subs Review			2				8								2	12	\$ 1,350.00		
Procurement							10								4	14	\$ 1,460.00		
Construction Progress Site Visits and Meetings							18								6	24	\$ 2,550.00		
Substantial Completion Observation - Close out							3								2	5	\$ 490.00		
As-Built Documents							2						4			6	\$ 460.00		
Warranty Inspection							2									2	\$ 240.00		
																	-		
General Project Management			4												4	8	\$ 780.00		
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Revised – April 12, 2022

Mr. Andy Kacer, P.E.  
AECOM  
2090 Palm Beach Lakes Blvd., Suite 600  
West Palm Beach, Florida 33409

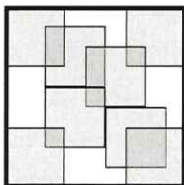
Re: **PBI Terminal Building 4<sup>th</sup> Level Wall Repairs**  
**Architectural Construction Administration Phase**  
**Task III-21-PBI-A-061**  
Palm Beach International Airport - West Palm Beach, Florida

Dear Mr. Kacer:

Enclosed is Colomé & Associates, Inc.'s proposal for architectural construction administration services for the proposed PBI Terminal Building 4<sup>th</sup> Level Wall Repairs at the Palm Beach International Airport in West Palm Beach, Florida.

The scope of work shall include the following:

- Construction Administration
  - Provide Conforming Architectural drawings for construction.
  - Attend preconstruction meeting.
  - Attend (13) bi-weekly construction project meetings and observe the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the Contract Documents. The Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality of work, nor shall the Architect be responsible for the means, methods, techniques or procedures of construction selected by Contractor(s).
  - Prepare architectural Field Observation reports and review of Contractor's change order proposals during the construction phase.
  - Review and approve the Contractor's architectural shop drawings, or take other appropriate action, but only for the limited purpose of checking for conformance with information given and the design concepts expressed in the contract documents.
  - Prepare phased architectural substantial and final punch list.
  - Prepare Final architectural "As-Built" CAD and PDF files for owner based on general contractor's record drawings.



**Colomé & Associates, Inc.**

Florida Registration AA0003439

Architecture □ Planning □ Interiors

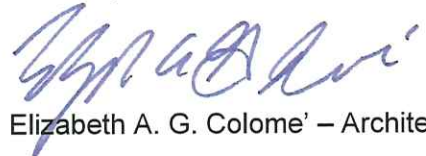
530 24th Street □ West Palm Beach, Florida 33407 □ Telephone: (561) 833-9147 □ Facsimile: (561) 833-9356 □ E-mail: colome@colome-arch.net




- Fees
- Architectural Construction Administration Phase and Expenses: Fees for performing services as outlined above shall be based upon the stipulated lump sum of thirty-four thousand five hundred ninety-four dollars and thirty-four (\$34,594.34) cents.
- Additional Services
  - Additional Services as requested by the Owner shall be based on the Architectural Hourly Basis as set forth in the executed AECOM Contract Agreement for Architectural Services or stipulated lump sum.
  - Items excluded from this professional services fee proposal:  
The following items are not included as part of this professional services fee proposal: This proposal does not include: Fees related to project applications, registrations, on site roof inspections, engineering professional services, review of contractors scaffolding, and safety submittals, and re-design as a result of value engineering.

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

Sincerely,



Elizabeth A. G. Colome' – Architect

Labor/Fee Estimate Summary (Colome & Associates, Inc.) - PBI TERMINAL BUILDING 4TH LEVEL WALL REPAIRS - (CA PHASE) Task III-21-PBI-A-061												
Billing Rate:		\$	169.04	\$	138.65	\$	85.96	\$	43.68			
ARCHITECTURE • PLANNING • INTERIORS Florida Registration - AA 0003439 510 24th Street, West Palm Beach, Florida 33407 Phone: (561) 833-9147 Fax: (561) 833-9360												
Labor Estimate (Hours)												
		Principal		Sn. Project Manager		Architect Drafting		Clerical		Labor Total	Expenses	Total
Architectural Construction Administration Phase												
Task Description	Total	12		138		140		32		\$34,594.34	\$0.00	\$34,594.34
Architect Administration												
	Pre-Construction Meeting	\$0.00	2	\$277.30	2	\$171.92		\$0.00	\$ 449			\$ 449
	Field Work During Construction	\$0.00	8	\$1,109.20	12	\$1,031.52		\$0.00	\$ 2,141			\$ 2,141
	Subconsultant Coordination	\$0.00	8	\$1,109.20	8	\$687.68	2	\$87.36	\$ 1,884			\$ 1,884
\$4,474.18												
Construction Administration Services												
	Prepare Architectural Conforming Drawings	3	\$507.12	6	\$831.90	28	\$2,406.88	2	\$87.36	\$ 3,833		\$ 3,833
	RFI Review / Response	2	\$338.08	8	\$1,109.20	8	\$687.68	4	\$174.72	\$ 2,310		\$ 2,310
	Bi-Weekly Construction Project Meetings (13)		\$0.00	18	\$2,495.70	8	\$687.68	2	\$87.36	\$ 3,271		\$ 3,271
	Submittal / Shop Drawing Review	2	\$338.08	14	\$1,941.10	24	\$2,063.04	8	\$349.44	\$ 4,692		\$ 4,692
	Field Observation Reports	1	\$169.04	32	\$4,436.80	8	\$687.68	4	\$174.72	\$ 5,468		\$ 5,468
	Field Bulletins / Change Order Reviews	1	\$169.04	26	\$3,604.90	10	\$859.60	4	\$174.72	\$ 4,808		\$ 4,808
	Substantial Comp. Punch List - (Phased)	1	\$169.04	6	\$831.90	8	\$687.68	2	\$87.36	\$ 1,776		\$ 1,776
	Final Completion Punch List - (Phased)	1	\$169.04	6	\$831.90	8	\$687.68	2	\$87.36	\$ 1,776		\$ 1,776
	Close Out Documents		\$0.00	2	\$277.30	4	\$343.84	2	\$87.36	\$ 709		\$ 709
	As-Builts	1	\$169.04	2	\$277.30	12	\$1,031.52		\$0.00	\$ 1,478		\$ 1,478
\$30,120.16												
Grand Total		12.00	\$2,028.48	138.00	\$19,133.70	140.00	\$12,034.40	32.00	\$1,397.76	\$4,474.18	\$0.00	\$34,594.34

Source: Colome' & Associates, Inc.



Colome' & Associates, Inc.  
ARCHITECTURE • PLANNING • INTERIORS  
Florida Registration - AA 0003439  
510, 2410 Street, West Palm Beach Florida 33407  
Phone: (561) 833-9167 Fax: (561) 833-9366





EXHIBIT A-5

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-5**

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

**Palm Beach International Airport (PBI)**

**Task I-22-PBI-A-068: PBI People Tube Construction Administration Services**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-068: PBI People Tube Construction Administration Services Project (Project). The goal of this Task is to provide CA Services in-order to repair items that were damaged when the West People Tube elevated walkway was recently damaged at PBI. The limits of repairs are from the garage to the terminal.

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration and CA Services
Quantum Electrical Engineering, Inc. (QEE)	Electrical CA Services
Colome and Associates (C&A)	Architectural CA Services
Johnson, Levinson, Ragan, Davila, Inc. (JLRD)	Mechanical CA Services

**Task I – CA Services**

AECOM will provide the following CA Services:

- A. Conformed Documents: Prepare (6) sets of Conformed Contract Plans and Specifications for Contract Execution. Prepare (6) sets of Executed Contract Documents for Construction, (4) for DOA and (2) for the Contractor. Prepare a CD with Deliverables;

- B. Conferences and Meetings: Attend and support/facilitate meetings between the DOA, CMAR, and Stakeholders, such as progress meetings (a maximum of 6 bi-weekly construction progress meetings);
- C. 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;
- D. Interpretation and clarification of Contract Documents: Respond to various Requests for Information, Job memoranda, and other field prepared inquiries;
- E. 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. Record names, addresses and telephone numbers of all Contractors, subcontractors and major suppliers of material and equipment;
- F. Periodic site visits to monitor construction activity;
- G. AECOM will be responsible for preparation, processing, review and document control of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.
- H. AECOM will review Contractor as-builts for completeness and obvious errors based on readily available information to AECOM. AECOM will provide comments prior to acceptance of the Contractor's As-builts.
- I. Substantial and Final Completion: Conduct substantial and final completion inspection in the company of the owner, and Contractor and prepare a substantial completion, and if necessary a final punch list of items in conjunction with Owner to be completed or corrected;
- J. AECOM will use all readily available information including the Contractor's As-builts to prepare Record Drawings for the completed work;
- K. Task Management and Coordination: Coordinate as needed with DOA, CMAR, and other Project stakeholders; and
- L. Project Close-out Activities: AECOM will prepare Certificate of Substantial Completion and other Project related Close-out activities.

## **PROJECT SCHEDULE**

The CMAR, and our CA Services, are anticipated to last approximately 170 calendar days to complete (procurement, construction, and close-out).

## **PROJECT DELIVERABLES**

Project Deliverables are as described in the above-mentioned Task I.

## **PROJECT ASSUMPTIONS**

1. AECOM shall not be responsible for the means, methods, techniques, sequences, procedures of construction or selection of materials selected by the CMAR or the safety precautions and programs incident to the work of the CMAR. AECOM shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the CMAR to perform the construction work in accordance with the Contract Documents.
2. AECOM will perform all services listed in this scope of services and it is expected that the DOA will perform all other construction related services that are not listed.
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 CMAR, 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-22-PBJ-A-068: PBJA People Tube Construction Administration Services

Labor Estimate (Hours)											Fee Estimate (\$)		
Task Description		Principal	QC Reviewer	Senior Project Manager	Construction Manager	Project Engineer	Resident Project Representative	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
<b>Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services</b>													
	<b>CONSTRUCTION ADMINISTRATION SERVICES (LUMP SUM + REIM.)</b>	<b>Total</b>	<b>0</b>	<b>20</b>	<b>66</b>	<b>86</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>194</b>	<b>\$29,798</b>	<b>\$0</b>	<b>\$29,798</b>
A	Prepare Conform Documents		2		2	8				12	\$ 1,686		\$ 1,686
B	Meetings (6 Const. Meetings,			2	6	6				14	\$ 2,306		\$ 2,306
C	Process Review and Approve Shop Drawings and Submittals			2	8	8				18	\$ 2,910		\$ 2,910
D	Interpretation and Clarification of Contract Documents/RFI's			2	8	8				18	\$ 2,910		\$ 2,910
E	Establish and Maintain Project Records			2	2	2				4	\$ 604		\$ 604
F	Periodic Site Visits			2	8	8				18	\$ 2,910		\$ 2,910
G	Review/Processing of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.			2	12	12				26	\$ 4,118		\$ 4,118
H	As Built Review				4	12				16	\$ 2,168		\$ 2,168
I	Substantial w/ Punch List and Final Completion Inspector				4	4				8	\$ 1,208		\$ 1,208
J	Prepare Record Drawings		4	2	8	14				28	\$ 4,354		\$ 4,354
K	Task management and Coordination			4	4				16	20	\$ 2,428		\$ 2,428
L	Project Closeout			4	4	4				12	\$ 2,196		\$ 2,196
			0	6	20	66	86	0	0	16	194	0	\$29,798.00
<b>Total Fee - AECOM Technical Services, Inc.</b>			<b>\$0</b>	<b>\$1,086</b>	<b>\$4,940</b>	<b>\$12,012</b>	<b>\$10,320</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,440</b>	<b>\$29,798</b>	<b>\$0</b>	<b>\$29,798.00</b>
<b>Subconsultant Fees Task 1.0</b>													
	Quantum Electrical Engineering, Inc. (LS)	\$ 6,507.61											
	Quantum Electrical Engineering, Inc. (Exp.												
	JLRD (LS)	\$ 5,305.00											
	JLRD (Exp.)												
	Colome & Associates (LS)	\$ 14,212.65											
	Colome & Associates (Exp.)												
<b>Total Fee - Subconsultants</b>		<b>\$ 26,025.26</b>											
<b>GRAND TOTAL FEE - BASIC ENGINEERING SERVICES</b>		<b>\$ 55,823.26</b>											
<b>Prepared by: AECOM Technical Services, Inc.</b>													

April 25, 2022

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

Subject: Electrical Construction Administration Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – PBIA People Tube Construction Services

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical construction administration services fee proposal for the PBIA People Tubes Project for the electrical, lighting and fire alarm systems.

**The following items are included in our scope:**

- Based on construction period of 30 days procurement, 80 days of construction and 30 final completion.
- Includes attendance at preconstruction meeting with DOA, AECOM and Contractor.
- Includes preparation of Conformed Documents for Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes periodic site observation visits.
- Includes attendance at bi-weekly progress meetings (6) with DOA, AECOM and Contractor.
- Includes requests for information reviews & approvals.
- Includes change order reviews and comments.
- Includes substantial and final completion inspections.
- Includes record drawings based on Contractor "Red Line Plan Mark-ups."

**Our proposed total Lump-Sum fee is:**  
(See attachment breakdown)

**\$ 6,507.61**

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

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

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - PBIA PEOPLE TUBE CONSTRUCTION SERVICES									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL CA to AE 04-25-2022									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
<b>Construction Administration Services</b>									
Pre-Construction Conference		1			1		2		\$276.92
Prepare Conformed Documents			1	1			2		\$207.69
Review and Approve Shop Drawings		8					8		\$1,153.84
On-site Observations/Field Visits (12)					12	4	16		\$1,776.88
Bi-weekly Construction Coordination Meetings (6)		6					6		\$865.38
Respond to Requests for Information (RFI)		2	2	2			6		\$703.84
Change Orders		2					2		\$288.46
Substantial Completion		2			2		4		\$553.84
Final Completion					2		2		\$265.38
Review As-builts					1		1		\$132.69
Prepare Record Documents		1		2			3		\$282.69
<b>Subtotal</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>5</b>	<b>18</b>	<b>4</b>	<b>52</b>		<b>\$6,507.61</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>5</b>	<b>18</b>	<b>4</b>	<b>52</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$3,173.06</b>	<b>\$415.38</b>	<b>\$346.15</b>	<b>\$2,388.42</b>	<b>\$184.60</b>			<b>\$6,507.61</b>

**AUTHORIZATION FOR ENGINEERING SERVICES**

**CLIENT:** Mr. Andrew Kacer, P. E., Vice President – Airports  
AECOM Technical Services, Inc.

**PROJECT:** PBIA People Tube Construction Services  
**RE:** Construction Administration Services

**DATE:** February 16, 2022

**JLRD PROJECT NO.:** 121162

In accordance with the contract for the above referenced project, JLRD, Inc. is hereby authorized to perform the Engineering Services requested by AECOM, Inc. (the Client) as outlined below:

**SCOPE:**

1. Provide additional engineering services for this Project to include construction administration services, as follows:
  - Provide Shop Drawing review, Field Observations (monthly), Bi-weekly and Miscellaneous OAC meetings (6 meetings total), respond to construction RFI's, ASI's and produce AS-BUILT drawings from contractors redlines at the end of the project.

**PROJECT SCHEDULE**

- The estimated CA duration for the project is a 170 day period to include procurement, construction, and a closeout period.
- The Construction Administration scope will last for the duration of the project.



Mr. Andrew Kacer, P. E., Greater Florida Manager – Airports  
RE: PBIA People Tube Construction Services  
Date: February 16, 2022

EXCLUSIONS

- Witnessing of any testing procedures.

**FEES:**

1. The above-mentioned scope shall be provided based upon a lump-sum fee amount as follows:
  - *Five Thousand Three Hundred Five Dollars (\$5,305.00)*

**TIME OF PERFORMANCE:**

1. Design services will be completed with due and reasonable diligence after receipt of this executed authorization.

Accepted By:

Date:

\_\_\_\_\_

\_\_\_\_\_



Revised – April 12, 2022

Mr. Andy Kacer, P.E.  
AECOM  
2090 Palm Beach Lakes Blvd., Suite 600  
West Palm Beach, Florida 33409

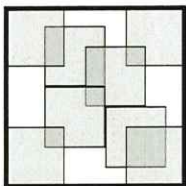
Re: **PBIA People Tube Construction Services**  
**Architectural Construction Administration Phase**  
Palm Beach International Airport - West Palm Beach, Florida

Dear Mr. Kacer:

Our Firm – Colomé & Associates, Inc. (Architect) – would like to thank you for the opportunity to provide AECOM with this proposal for architectural construction administration services proposal for the proposed PBIA People Tube Construction Services at the Palm Beach International Airport in West Palm Beach, Florida.

The scope of work shall include the following:

- Construction Administration
  - Provide Conforming Architectural drawings for construction.
  - Attend preconstruction meeting.
  - Attend (6) Bi-Weekly construction project meetings and observe the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the Contract Documents. The Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality of work, nor shall the Architect be responsible for the means, methods, techniques or procedures of construction selected by Contractor(s).
  - Prepare architectural Field Observation reports and review of Contractor's change order proposals during the construction phase.
  - Review and approve the Contractor's architectural shop drawings, or take other appropriate action, but only for the limited purpose of checking for conformance with information given and the design concepts expressed in the contract documents.
  - Prepare phased architectural substantial and final punch list.
  - Prepare Final architectural "As-Built" CAD and PDF files for owner based on general contractor's record drawings.
  - Expenses – (Included in the Construction Administration Phase Fees)



**Colomé & Associates, Inc.**

Florida Registration AA0003439

Architecture □ Planning □ Interiors

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



- Fees
- Architectural Construction Administration Phase: Fees for performing services as outlined above shall be based upon the stipulated lump sum of fourteen thousand two hundred twelve dollars and sixty-five (\$14,212.65) cents.

**Fee Breakdown:**

Architectural – Construction Administrative Phase Services	\$14,212.65
<b>Total Fee</b>	<b>\$14,212.65</b>

- Additional Services
  - Additional Services as requested by the Owner shall be based on the Architectural Hourly Basis as set forth in the executed AECOM Contract Agreement for Architectural Services or stipulated lump sum.
  - Items excluded from this professional services fee proposal:  
The following items are not included as part of this professional services fee proposal: This proposal does not include: Fees related to project applications, registrations, construction administration services related to areas of work outside the scope of design services, sound system design, public announcement system design, acoustical design services, and re-design as a result of value engineering.


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

Sincerely,



Elizabeth A. G. Colome' – Architect



Labor/Fee Estimate Summary (Colome & Associates, Inc.) - PBIA PEOPLE TUBE CONSTRUCTION SERVICES - (CA PHASE)												
Billing Rate:		\$ 169.04	\$ 138.65	\$ 85.96	\$ 43.68							
<div><div></div><div><div>Colome' &amp; Associates, Inc.</div><div>ARCHITECTURE • PLANNING • INTERIORS</div><div>Florida Registration - AA 0082439</div><div>630 24th Street West Palm Beach Florida 33407</div><div>Phone: (561) 833-9147 Fax: (561) 833-9366</div></div></div>												
Labor Estimate (Hours)												
	Principal		Sn. Project Manager		Architect Drafting		Clerical		Labor Total	Expenses	Total	
Architectural Construction Administration Phase												
Task Description	Total	8	49		66		9		\$14,212.65	\$0.00	\$14,212.65	
Architect Administration												
		\$0.00	2	\$277.30	2	\$171.92		\$0.00	\$ 449		\$ 449	
Pre-Construction Meeting		\$0.00	3	\$415.95	3	\$257.88		\$0.00	\$ 674		\$ 674	
Field Work		\$0.00	4	\$554.60	4	\$343.84	1	\$43.68	\$ 942		\$ 942	
Subconsultant Coordination											\$2,065.17	
Construction Administration Services												
	1	\$169.04	2	\$277.30	12	\$1,031.52	1	\$43.68	\$ 1,522		\$ 1,522	
Prepare Architectural Conforming Drawings												
RFI Review / Response	2	\$338.08	6	\$831.90	12	\$1,031.52	1	\$43.68	\$ 2,245		\$ 2,245	
Bi-Weekly Construction Project Meetings (6)		\$0.00	5	\$693.25	5	\$429.80	1	\$43.68	\$ 1,167		\$ 1,167	
Submittal / Shop Drawing Review	2	\$338.08	4	\$554.60	8	\$687.68	1	\$43.68	\$ 1,624		\$ 1,624	
Field Observation Reports	1	\$169.04	4	\$554.60	2	\$171.92	1	\$43.68	\$ 939		\$ 939	
Field Bulletins / Change Order Reviews	1	\$169.04	4	\$554.60	2	\$171.92	1	\$43.68	\$ 939		\$ 939	
Substantial Comp. Punch List - (Phased)		\$0.00	6	\$831.90	6	\$515.76	1	\$43.68	\$ 1,391		\$ 1,391	
Final Completion Punch List - (Phased)		\$0.00	6	\$831.90	6	\$515.76	1	\$43.68	\$ 1,391		\$ 1,391	
Close Out Documents		\$0.00	2	\$277.30		\$0.00		\$0.00	\$ 277		\$ 277	
As-Builts	1	\$169.04	1	\$138.65	4	\$343.84		\$0.00	\$ 652		\$ 652	
											\$12,147.48	
Grand Total		8.00	\$1,352.32	49.00	\$6,793.85	66.00	\$5,673.36	9.00	\$393.12	\$2,065.17	\$0.00	\$14,212.65

Source: Colomé & Associates, Inc.



Colome' & Associates, Inc.  
ARCHITECTURE • PLANNING • INTERIORS  
Florida Registration - AA 0000439  
630 24th Street West Palm Beach Florida 33407  
Phone: (561) 833-9147 Fax: (561) 833-9366

## EXHIBIT A-6

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-6**

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

**Palm Beach International Airport (PBI)**

**Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value Project (Project).

The DOA requires appraisals services for the valuation of various vacant and improved aeronautical and non-aviation properties at PBI. The intended use of the analysis is to provide a basis for establishing market rent for the future development of the parcels.

**PROJECT TEAM**

The project team for this task includes:

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration
Slack, Johnston & Magenheimer, Inc	Appraisals Development

**SCOPE OF WORK**

Under this Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value Project, the following items will be developed: prepare appraisals of the fair annual rental per square foot for the selected properties at PBI. The services that will be provided are as described in detail in the attached Slack, Johnston & Magenheimer, Inc. scope of work.

**DELIVERABLES**

Deliverables include four (4) signed copies of the appraisal reports of the selected properties at PBI, as well as PDF versions of the reports.

**PROJECT SCHEDULE**

AECOM anticipates completing this task within 10 weeks from NTP.

**Assumptions:**

AECOM is not responsible for the review or verification of Slack, Johnston & Magenheimer, Inc’s work and does not have any legal exposure that may arise as a result of their work.



Exhibit B-1														
Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value														
Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 219	\$ 120	\$ 107	\$ 89	\$ 90					
Labor Estimate (Hours)										Fee Estimate (\$)				
Task Description		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total	
Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value	Total	0	0	4	0	0	0	0	16	20	\$2,428	\$0	\$2,428	
Task Management and Coordination				4					16	20	\$2,428	\$0	\$2,428	
Total Fee - AECOM Technical Services, Inc.		0	0	4	0	0	0	0	16	20	2,428	0	2,428	
<div> <div>Subconsultant Fees Task 1.0</div> <div> <div>Slack, Johnston &amp; Magenheimer, Inc</div> <div>LS</div> <div>\$ 54,200</div> </div> <div> <div>Task 1.0 (Lump Sum)</div> <div>\$56,628</div> </div> <div> <div>Task 2.0 (Time &amp; Material)</div> <div>\$0</div> </div> <div> <div>Expenses</div> <div>\$0</div> </div> <div> <div>Total</div> <div>\$56,628</div> </div> </div>														
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES														

Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 219	\$ 120	\$ 107	\$ 89	\$ 90
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Labor Estimate (Hours)												Fee Estimate (\$)		
Task Description			Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value														
		Total	0	0	4	0	0	0	0	16	20	\$2,428	\$0	\$2,428
	Task Management and Coordination				4					16	20	\$2,428	\$0	\$2,428
Total Fee - AECOM Technical Services, Inc.			0	0	4	0	0	0	0	16	20	2,428	0	2,428

<b>Subconsultant Fees Task 1.0</b>					
Slack, Johnston & Magenheimer, Inc		LS	\$	54,200	
				<b>Task 1.0 (Lump Sum)</b>	<b>\$56,628</b>
				<b>Task 2.0 (Time &amp; Material)</b>	<b>\$0</b>
				<b>Expenses</b>	<b>\$0</b>
				<b>Total</b>	<b>\$56,628</b>

**GRAND TOTAL FEE - BASIC ENGINEERING SERVICES**



ANDREW H. MAGENHEIMER, MAI  
CERT. GEN. RZ1073

THEODORE W. SLACK, MAI  
(1902-1992)  
THEODORE C. SLACK, MAI  
(1931-2105)  
SUE BARRETT SLACK, MAI  
(RETIRED)

January 26, 2022

Andrew Kacer, PE  
AECOM  
7650 West Courtney Campbell Causeway  
Tampa, Florida 33607

RE: Appraisal Service Request - Fair Market Annual Rental Value for Various Properties at Palm Beach International (PBI) Airports, Palm Beach County, Florida

Dear Mr. Kacer:

It was a pleasure speaking with you regarding your client's need for an appraisal to estimate the fair market annual rental value for the various properties at PBI. Slack, Johnston & Magenheimer, Inc. has been involved in real estate appraising and consulting for over 60 years in the south Florida area. Our firm provides a wide range of valuation services concerning all forms of commercial, industrial and residential real estate, as well as aviation and related uses.

We have an on-going consulting contract with the Miami-Dade County Aviation Department related to estimating fair annual rental rates at their three general aviation airports. Overall, we have completed valuation assignments at over 50 airports. Please refer to the attached airport list. Based on our experience, we feel qualified to assist the AECOM and your client, Palm Beach County Department of Airports (PBCDOA), with your appraisal and consulting needs. It is our understanding the intended use of the analysis is to provide a basis for establishing market rent for the future development of the parcels and the intended users are AECOM, PBCDOA and the Federal Aviation Administration (FAA).

The appraisal will estimate the fair market annual rental value per square foot for the various properties owned by the PBCDOA. Based on our analysis, the properties represent aeronautical and non-aviation properties based on their location and associated use. As discussed, PBCDOA will identify the use of each property and its aeronautical or non-aviation status. The fair market annual rent for the aeronautical properties will be based on a comparison with other rental rates for similar aeronautical properties within the competitive market area. The fair market annual rent for the non-aviation properties will be based on a direct comparison with other rentals of similar non-aviation properties, or analysis of the capitalized market value of the properties.

SLACK, JOHNSTON & MAGENHEIMER, INC.  
7245 SW 87 AVENUE, SUITE 300, MIAMI, FLORIDA 33173  
TELEPHONE (305) 670-2111 • EMAIL: SJMIAMI@AOL.COM

Andrew Kacer, PE  
January 26, 2022  
Page Two

The appraisals will be prepared in compliance with the Uniform Standards of Professional Appraisal Practice (USPAP). The analysis will be completed subject to the attached standard assumptions and limiting conditions. If, in the process of preparation of the analysis, additional assumptions and limiting conditions are required, we will notify you accordingly.

Based on the scope of the assignment, we are available to prepare appraisals of the fair market annual rental of the properties based on the aforementioned scope of work that will include selected properties at PBI as outlined herein. The deliverables will consist of appraisal reports of the properties and the total fee will be \$54,200. The fee estimate includes time for meetings during the preparation of the assignment and four signed copies of each report, as well as PDF versions of the reports. The reports will be furnished approximately 10 weeks after issuance of the notice to proceed/purchase order. In order to start the process, we require a notice to proceed/purchase order. The fee will be due upon completion and delivery of the report.

In addition, if PBCDOA or AECOM should become involved in litigation in which the appraisals are in issue, and we are required to spend time in hearings, depositions, trial, traveling, etc., this proposal does not include our time involved in those proceedings and will require a new service agreement.

Thank you for considering Slack, Johnston & Magenheimer for your real estate valuation needs in south Florida. We appreciate the opportunity to be of service and look forward to working with you.

Sincerely,

SLACK, JOHNSTON & MAGENHEIMER, INC.



Andrew H. Magenheimer, MAI  
CERT. GEN. RZ1073

\\Q\PBCDOA22.tri1

**SLACK  
JOHNSTON  
MAGENHEIMER**



**Property Information, if available**

- 1. Copy of the survey and site plan
- 2. Copy of the Airport Layout Plan (ALP).
- 3. Electronic copy of the Airport Master Plan (link)
- 4. Copy of the building plans, including floorplans.
- 5. Copy of typical lease.
- 6. Contact person information to schedule property visit.
- 7. Copy of any prior appraisals.
- 8. Copy of the current rent roll
- 9. Summary of any waiting lists to rent the units.
- 10. Copy of any building assessment reports.
- 11. Summary of annual based aircraft for the past 5 years
- 12. Summary of fuel flowage (gallons) at the airport for the past 5 years.

**Airport Experience**

**Commercial Service Airports**

Miami International (MIA)  
Ft. Lauderdale-Hollywood International (FLL)  
Palm Beach International (PBI)  
Orlando International (MCO)  
Orlando Sanford International Airport (SFB)  
Tampa International (TPA)  
Jacksonville International (JAX)  
Sarasota-Bradenton International (SRQ)  
Punta Gorda (PGD)  
Tallahassee International (TLH)  
Pensacola International (PNS)  
Memphis International (MEM)  
Key West International (EYW)  
Aspen-Pitkin County (ASE)

**General Aviation Airports**

Miami Executive (TMB)  
Miami Opa Locka Executive (OPF)  
Miami Homestead General Aviation (X51)  
Dade-Collier Training and Transition (TNT)  
Opa Locka West (formerly X46)  
North Perry (HWO)  
Ft. Lauderdale Executive (FXE)  
Pompano Beach Airpark (PMP)  
Boca Raton (BCT)  
Lantana (LNA)  
Pahokee (PHK)  
Palm Beach North County (F45)  
Witham Field (SUA)

**General Aviation Airports**

Jacksonville Executive (CRG)  
Herlong Recreational (HEG)  
Cecil (VQQ)  
Lake City (LCQ)  
Ocala International (OCF)  
Inverness (INV)  
Crystal River (CGC)  
Orlando Executive (ORL)  
Brooksville/Tampa Bay Regional (BKV)  
Clearwater Airpark (CLW)  
Zephyrhills (ZPH)  
Tampa Executive (VDB)  
Plant City (PCM)  
Peter O. Knight (TPF)  
Sebring (SEB)  
Venice Municipal (VNC)  
Florida Keys Marathon (MTH)  
Naples (APF)  
Leesburg (LEE)  
Bob Sikes (CEW)  
Destin Executive (DTS)  
Peter Prince (2R4)  
Merritt Island (COI)  
Space Coast Regional (TIX)  
Arthur Dunn (X21)  
Ormond Beach Municipal (OMN)  
Northeast Florida Regional (SGJ)  
Fernandina Beach Municipal (FHB)

**Rates**

**Slack, Johnston & Magenheimer, Inc. – Hourly Rates**

Principal -	\$225.00
Senior Appraiser -	\$170.00
Staff Appraiser -	\$150.00
Clerical -	\$65.00

**SLACK  
JOHNSTON  
MAGENHEIMER**



## ASSUMPTIONS AND LIMITING CONDITIONS

The assignment is subject to the following assumptions and limiting conditions:

1. No responsibility is assumed for the legal description or for matters including legal or title considerations. Title to the property is assumed to be good and marketable unless otherwise stated.
2. No legal opinion related to a title search was provided and all existing liens and encumbrances, including deed restrictions and developers agreements, have not been investigated unless otherwise stated. The property is appraised as though free and clear.
3. Responsible ownership and competent property management are assumed.
4. The information furnished by others has been gathered from sources deemed to be reliable, however, no warranty is given for its accuracy.
5. All engineering and surveying is assumed to be correct. Any sketches, plats, or drawings included in this report are included to assist the reader in visualizing the property. We have made no survey of the property, and assume no responsibility in connection with such matters.
6. It is assumed that there are no hidden or inapparent conditions of the property, subsoil, or structures that render it more or less valuable. No responsibility is assumed for unusual soil conditions and no opinion as to these matters is to be inferred or construed from the attached report other than those specifically stated in the report. Unless stated otherwise, the soil conditions of the subject property are assumed to be adequate to support development utilizing conventional construction techniques. We recommend the client obtain an opinion from a competent engineering firm.
7. It is assumed that there is full compliance with all applicable federal, state, and local environmental regulations and laws unless noncompliance is stated, defined, and considered in the appraisal report.
8. It is assumed that all applicable zoning and use regulations and restrictions have been complied with, unless a nonconformity has been stated, defined, and considered in the appraisal report.
9. It is assumed that all required licenses, certificates of occupancy, consents, or other legislative or administrative authority from any local, state, or national government or private entity or organization have been or can be obtained or renewed for any use on which the value estimate contained in this report is based.
10. It is assumed that the utilization of the land and improvements is within the boundaries or property lines of the property described and that there is no encroachment or trespass unless noted in the report.
11. Any proposed or partially completed improvements included in this report are assumed to be completed in accordance with approved plans and specifications and in a workmanlike manner.
12. Our estimates of future values were formulated based upon market conditions as of the date of appraisal, considerate of future projections concerning supply and demand. The appraiser has no responsibility for significant events that alter market conditions subsequent to the effective date or dates of appraisal.
13. This study is to be used in whole and not in part. No part of it shall be used in conjunction with any other appraisal. Publication of this report or any portion thereof without the written consent of the appraiser is not permitted.
14. The appraiser, by reason of this report, is not required to give further consultation, testimony, or be in attendance in court with reference to the property in question unless arrangements have been previously made.
15. Neither all, nor any part of the contents of this report (especially any conclusions as to value, the identity of the appraiser, or the firm with which the appraiser is connected), shall be disseminated to the public through advertising, public relations, news, sales, or other media without the written consent and approval of the appraiser. The use of this report in any public offering or syndication document is specifically prohibited.
16. Unless otherwise stated in this report, the existence of hazardous substances, including without limitation asbestos, polychlorinated biphenyls, petroleum leakage, or agricultural chemicals, which may or may not be present on the property, or other environmental conditions, were not called to the attention of, nor did the appraiser become aware of such during the appraiser's inspection. The appraiser has no knowledge of the existence of such materials on or in the property unless otherwise stated. The appraiser, however, is not qualified to test such substances or conditions. If the presence of such substances, such as asbestos, urea formaldehyde foam insulation, or other hazardous substances or environmental conditions, may affect the value of the property, the value estimated is predicated on the assumption that there is no such condition on or in the property or in such proximity thereto that it would cause a loss in value. No responsibility is assumed for any such conditions, nor for any expertise or engineering knowledge required to discover them. It is recommended that the client retain an expert in this field, if needed.
17. Disclosure of the contents of this report by the appraiser is controlled by the Appraisal Institute of which one or more signatures of this report is an MAI member and by the Florida Department of Professional Regulation, Division of Appraisal State Certification. The analysis and value conclusions, as well as non-public information about the subject property, are confidential matters and cannot be divulged to any persons other than the party for whom the report is prepared. Exceptions to this confidentiality provision are requests by committees of the Appraisal Institute or the Florida Department of Professional Regulations for peer review, and subpoenas by any court having jurisdiction to request production of the report.
18. Acceptance or use of this report constitutes acceptance of the preceding conditions.

**SLACK  
JOHNSTON  
MAGENHEIMER**



## Scope of Work

The Palm Beach County Department of Airports (PBCDOA) requires appraisal services for the valuation of various vacant and improved aeronautical and non-aviation properties at the airports owned by Palm Beach County. PBCDOA will advise the appraiser of the aeronautical or non-aviation designation of each parcel. The appraisal of each parcel shall be limited to the real estate, unless notified otherwise by the PBCDOA. The appraisal will include the valuation of non-realty items (fixtures or equipment) identified by the PBCDOA. The appraiser may hire sub-consultants to assist in the valuation on the non-realty items and is responsible for payment of such sub-consultants. Attached is a summary of the properties to be appraised.

The purpose of the appraisal is to provide estimates of the current fair market annual rental value of the various properties, as of a current date of valuation. The intended use of the appraisal is for negotiating with future tenants and establishing the basis for rental adjustment for existing leases. The intended user of the appraisal is AECOM, PBCDOA and FAA.

The appraisal will include selected properties at PBI as outlined herein. The appraisal will include a summary of the annual rentals that identify each parcel and estimated annual rent per square foot. The appraisal is to conform to the Uniform Standards of Professional Appraisal Practice (USPAP). The appraiser is state-certified by Florida and holds the MAI designation of the Appraisal Institute. The deliverables include four (4) signed copies of the appraisals, as well as PDF versions of the reports and will be delivered within the schedule provided.

The appraisal will include acceptable appraisal valuation methods based on the property type. The appraisal will consider the impact on the use limitations in the analysis of the highest and best use of each parcel. The appraisal of the non-aviation properties will include a review of sales and rentals of similar non-aviation properties proximate to the airport to the extent that said properties exist. The appraisal of the aeronautical properties will be based on rentals of similar aeronautical properties at airports (i.e., commercial service, general aviation) in Florida, to the extent said properties exist.

We will visit each airport and each of the properties, as well as meet with PBCDOA staff to review relevant information concerning each parcel and airports. The PBCDOA will make available, to the extent that such information exists, relevant information concerning each parcel. The appraisal will be reviewed by PBCDOA staff and it is understood the appraisal fee will be paid within 30 days of the completion of the appraisal review by PBCDOA staff, subject to the AECOM payment process. After completion of the appraisal, we will be available to attend meetings and conferences concerning the appraisal. It is understood we will be compensated for such attendance based on our hourly rate and additional work order.

**SLACK  
JOHNSTON  
MAGENHEIMER**

PBDOA 2022 Appraisal Scope of Work - Phase 1

Airport	Property	
PBI - Palm Beach Int'l	Aeronautical Land	AB - Aviation Building
	Aircraft Pavement	AL - Aeronautical Land
	Vehicular Pvrmt	NAL - Non-Aviation Land
	Fuel Flowage Fees	NAB - Non-Aviation Building
	Fuel Farm - N5	ASIG
	NAB - 3400, incl Pol N3	CareerSource
	NAB - 1169, incl Pol N1/N2	Interim
	NAL - 61	Boat Ramp depends on swap timing
	NAL - 65	Lindy Lane
	NAL - 65E	SEC Lindy Ln. & theo Tulane Dr.
	NAL - B1	TreeTown Site
	NAL - B2	AVS Site
	NAL - CU	5th Street 26.6 acres fka NAL-Q various/OAN14
	NAL - C1	NEC 5th/Carmichael fka NAL-22
	NAL - C2	6th Street fka NAL-58
	NAL - C3	6th Street fka NAL-38
	NAL - C4	Enterprise license 4.27 acres fka NAL-Q1
	NAL - C5	1146 Carmichael site fka NAL-R1/R2
	NAL - FE	SWC Lindy/Tulane fka NAL-F
	NAL - FN	SDA F north of Wallis fka part NAL-10L
	NAL - FS	SDA F south of Wallis fka part NAL-10L
	NAL - FU	NWC Southern & Military fka part NAL-10L
	NAL - F1	PODS site 7.5 acres fka part NAL-10L
	NAL - H	Travel Plaza incl fka NAL-HC
	NAL - HW	Vacant west of Wait Lot
	NAL - NDSP	Drive Shack 11.94 acres fka part NAL-N11
	NAL - NCVH	Home2Suite 3.00 acres fka part NAL-N11A
	NAL - N11R	6.00 acres fka part NAL-N11A/NU
	NAL - O	Palm Auto tbd acres
	NAL - OAN1	Belvedere North
	NAL - OAN9/10	Enterprise fka separate
	NAL - W1	Lindy Lane
	AB - 1300	Old Cargo
	AB - 1332	ASIG
	AB - 1334	ASIG
	AB - 1475	New Cargo
	AB - 1500	SFS
	AB - 1500A	SFS
	AB - 1500C	SFS
	AB - 1500C-Addition	SFS
	AB - 1500D	SFS
	AB - 1500E	SFS
	AB - 1509	Jet
	AB - 1512	Jet
	AB - 1514	Jet
	AB - 1515	Jet
	AB - 1516	Jet
	AB - 1517	Jet
	AB - 1624	AUTEC
	AB - 1625A	Atlantic
	AB - 1625B	Atlantic
	AB - 1625C	Atlantic
	AB - 1625D	Atlantic
	AB - 1625E	Atlantic
	AB - 1625T	Atlantic
	AB - 1631	SFS
	AB - 1632	SFS
	AB - 1633	SFS
	AB - 2500	Avis
	AB - 2600	Vacant QTA fka DTG
	AB - 3887	FlightSafety
	AL - G	South of PBSO AL-S1A
	AL - N4	ASIG
	AL - N5-6-7	ASIG
	AL - N8	Vacant QTA
	AL - N9	Avis
	AL - N10	Vacant QTA
	AL - KU	Belvedere expansion site incl N1/N2
	AL - E3	East of 1475
	AL - 1475LA	UPS license
	AL - S1A	PBSO
	AL - S1B	Atlantic
	AL - S1D	Atlantic
	AL - S1E	Atlantic
	AL - S4	PBCHD
	AL - S5	Atlantic
	AL - S6	FlightSafety
	AL - S7	SFS
	AL - S8	Old ATC Atlantic Option
	AL - S9	Atlantic
	AL - GA Ramp G-A/B	Atlantic
	AL - S11	AUTEC
	AL - S12A	Atlantic license
	AL - S14	SFS
	AL - S15-15A	Jet
	AL - W4	SFS/NetJets
	AL - W5	Gulfstream
	AL - W5 Expansion	Vacant QTA
	AL - WU	GolfView

## EXHIBIT A-7



**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-7**

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

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

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

**Palm Beach County Glades Airport (PHK)**

**Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties Project (Project). The DOA requires appraisals services for the valuation of various vacant and improved aeronautical and non-aviation properties at F45, LNA, and PHK. The intended use of the analysis is to provide a basis for establishing market rent for the future development of the parcels.

**PROJECT TEAM**

The project team for this task includes:

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration
Slack, Johnston & Magenheimer, Inc	Appraisals Development

**SCOPE OF WORK**

Under this Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties Project, the following items will be developed: prepare appraisals of the fair annual rental per square foot for the selected properties at F45, LNA, and PHK. The services

that will be provided are as described in detail in the attached Slack, Johnston & Magenheimer, Inc. scope of work.

**DELIVERABLES**

Deliverables include four (4) signed copies of the appraisal reports of the selected properties at F45, LNA, and PHK, as well as PDF versions of the reports.

**PROJECT SCHEDULE**

AECOM anticipates completing this task within 8 weeks from NTP.

**Assumptions:**

AECOM is not responsible for the review or verification of Slack, Johnston & Magenheimer, Inc’s work and does not have any legal exposure that may arise as a result of their work.

## Exhibit B-1

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties

Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 219	\$ 120	\$ 107	\$ 89	\$ 90
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Labor Estimate (Hours)														Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Senior Planner	Project Engineer	Planner	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total				
Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties																	
	Total	0	0	4	0	0	0	0	16	20	\$2,428	\$0	\$2,428				
	Task Management and Coordination			4					16	20	\$2,428	\$0	\$2,428				
Total Fee - AECOM Technical Services, Inc.		0	0	4	0	0	0	0	16	20	2,428	0	2,428				
Subconsultant Fees Task 1.0																	
Slack, Johnston & Magenheimer, Inc		LS	\$	31,600					Task 1.0 (Lump Sum)	\$34,028							
									Task 2.0 (Time & Material)	\$0							
									Expenses	\$0							
									Total	\$34,028							
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES																	

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JOHNSTON  
MAGENHEIMER**  
REAL ESTATE APPRAISERS & CONSULTANTS

ANDREW H. MAGENHEIMER, MAI  
CERT. GEN. RZ1073

THEODORE W. SLACK, MAI  
(1902 - 1992)  
THEODORE C. SLACK, MAI  
(1931 - 2015)  
SUE BARRETT SLACK, MAI  
(RETIRED)

January 26, 2022

Andrew Kacer, PE  
AECOM  
7650 West Courtney Campbell Causeway  
Tampa, Florida 33607

RE: Appraisal Service Request - Fair Market Annual Rental Value for Various Properties at Palm Beach County Park Airpark (LNA), Pahokee (PHK), Palm Beach North County (F45), Palm Beach County, Florida

Dear Mr. Kacer:

It was a pleasure speaking with you regarding your client's need for an appraisal to estimate the fair market annual rental value for the various properties at LNA, PHK, and F45. Slack, Johnston & Magenheimer, Inc. has been involved in real estate appraising and consulting for over 60 years in the south Florida area. Our firm provides a wide range of valuation services concerning all forms of commercial, industrial and residential real estate, as well as aviation and related uses.

We have an on-going consulting contract with the Miami-Dade County Aviation Department related to estimating fair annual rental rates at their three general aviation airports. Overall, we have completed valuation assignments at over 50 airports. Please refer to the attached airport list. Based on our experience, we feel qualified to assist the AECOM and your client, Palm Beach County Department of Airports (PBCDOA), with your appraisal and consulting needs. It is our understanding the intended use of the analysis is to provide a basis for establishing market rent for the future development of the parcels and the intended users are AECOM, PBCDOA and the Federal Aviation Administration (FAA).

The appraisal will estimate the fair market annual rental value per square foot for the various properties owned by the PBCDOA. Based on our analysis, the properties represent aeronautical and non-aviation properties based on their location and associated use. As discussed, PBCDOA will identify the use of each property and its aeronautical or non-aviation status. The fair market annual rent for the aeronautical properties will be based on a comparison with other rental rates for similar aeronautical properties within the competitive market area. The fair market annual rent for the non-aviation properties will be based on a direct comparison with other rentals of similar non-aviation properties, or analysis of the capitalized market value of the properties.

SLACK, JOHNSTON & MAGENHEIMER, INC.  
7245 SW 87 AVENUE, SUITE 300, MIAMI, FLORIDA 33173  
TELEPHONE (305) 670-2111 • EMAIL: SJMIAMI@AOL.COM



Andrew Kacer, PE  
January 26, 2022  
Page Two

The appraisals will be prepared in compliance with the Uniform Standards of Professional Appraisal Practice (USPAP). The analysis will be completed subject to the attached standard assumptions and limiting conditions. If, in the process of preparation of the analysis, additional assumptions and limiting conditions are required, we will notify you accordingly.

Based on the scope of the assignment, we are available to prepare appraisals of the fair market annual rental of the properties based on the aforementioned scope of work that will include selected properties at LNA, PHK and F45 as outlined herein. The deliverables will consist of the appraisal report of the properties and the total fee will be \$31,600. The fee estimate includes time for meetings during the preparation of the assignment and four signed copies of the report, as well as PDF versions of the report. The report will be furnished approximately 8 weeks after issuance of the notice to proceed/purchase order. In order to start the process, we require a notice to proceed/purchase order. The fee will be due upon completion and delivery of the report.

In addition, if PBCDOA or AECOM should become involved in litigation in which the appraisals are in issue, and we are required to spend time in hearings, depositions, trial, traveling, etc., this proposal does not include our time involved in those proceedings and will require a new service agreement.

Thank you for considering Slack, Johnston & Magenheimer for your real estate valuation needs in south Florida. We appreciate the opportunity to be of service and look forward to working with you.

Sincerely,

SLACK, JOHNSTON & MAGENHEIMER, INC.



Andrew H. Magenheimer, MAI  
CERT. GEN. RZ1073

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**Property Information, if available**

- 1. Copy of the survey and site plan
- 2. Copy of the Airport Layout Plan (ALP).
- 3. Electronic copy of the Airport Master Plan (link)
- 4. Copy of the building plans, including floorplans.
- 5. Copy of typical lease.
- 6. Contact person information to schedule property visit.
- 7. Copy of any prior appraisals.
- 8. Copy of the current rent roll
- 9. Summary of any waiting lists to rent the units.
- 10. Copy of any building assessment reports.
- 11. Summary of annual based aircraft for the past 5 years
- 12. Summary of fuel flowage (gallons) at the airport for the past 5 years.

**Airport Experience**

**Commercial Service Airports**

Miami International (MIA)  
Ft. Lauderdale-Hollywood International (FLL)  
Palm Beach International (PBI)  
Orlando International (MCO)  
Orlando Sanford International Airport (SFB)  
Tampa International (TPA)  
Jacksonville International (JAX)  
Sarasota-Bradenton International (SRQ)  
Punta Gorda (PGD)  
Tallahassee International (TLH)  
Pensacola International (PNS)  
Memphis International (MEM)  
Key West International (EYW)  
Aspen-Pitkin County (ASE)

**General Aviation Airports**

Miami Executive (TMB)  
Miami Opa Locka Executive (OPF)  
Miami Homestead General Aviation (X51)  
Dade-Collier Training and Transition (TNT)  
Opa Locka West (formerly X46)  
North Perry (HWO)  
Ft. Lauderdale Executive (FXE)  
Pompano Beach Airpark (PMP)  
Boca Raton (BCT)  
Lantana (LNA)  
Pahokee (PHK)  
Palm Beach North County (F45)  
Witham Field (SUA)

**General Aviation Airports**

Jacksonville Executive (CRG)  
Herlong Recreational (HEG)  
Cecil (VQQ)  
Lake City (LCQ)  
Ocala International (OCF)  
Inverness (INV)  
Crystal River (CGC)  
Orlando Executive (ORL)  
Brooksville/Tampa Bay Regional (BKV)  
Clearwater Airpark (CLW)  
Zephyrhills (ZPH)  
Tampa Executive (VDB)  
Plant City (PCM)  
Peter O. Knight (TPF)  
Sebring (SEB)  
Venice Municipal (VNC)  
Florida Keys Marathon (MTH)  
Naples (APF)  
Leesburg (LEE)  
Bob Sikes (CEW)  
Destin Executive (DTS)  
Peter Prince (2R4)  
Merritt Island (COI)  
Space Coast Regional (TIX)  
Arthur Dunn (X21)  
Ormond Beach Municipal (OMN)  
Northeast Florida Regional (SGJ)  
Fernandina Beach Municipal (FHB)

**Rates**

**Slack, Johnston & Magenheimer, Inc. – Hourly Rates**

Principal -	\$225.00
Senior Appraiser -	\$170.00
Staff Appraiser -	\$150.00
Clerical	\$65.00

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## ASSUMPTIONS AND LIMITING CONDITIONS

The assignment is subject to the following assumptions and limiting conditions:

1. No responsibility is assumed for the legal description or for matters including legal or title considerations. Title to the property is assumed to be good and marketable unless otherwise stated.
2. No legal opinion related to a title search was provided and all existing liens and encumbrances, including deed restrictions and developers agreements, have not been investigated unless otherwise stated. The property is appraised as though free and clear.
3. Responsible ownership and competent property management are assumed.
4. The information furnished by others has been gathered from sources deemed to be reliable, however, no warranty is given for its accuracy.
5. All engineering and surveying is assumed to be correct. Any sketches, plats, or drawings included in this report are included to assist the reader in visualizing the property. We have made no survey of the property, and assume no responsibility in connection with such matters.
6. It is assumed that there are no hidden or inapparent conditions of the property, subsoil, or structures that render it more or less valuable. No responsibility is assumed for unusual soil conditions and no opinion as to these matters is to be inferred or construed from the attached report other than those specifically stated in the report. Unless stated otherwise, the soil conditions of the subject property are assumed to be adequate to support development utilizing conventional construction techniques. We recommend the client obtain an opinion from a competent engineering firm.
7. It is assumed that there is full compliance with all applicable federal, state, and local environmental regulations and laws unless noncompliance is stated, defined, and considered in the appraisal report.
8. It is assumed that all applicable zoning and use regulations and restrictions have been complied with, unless a nonconformity has been stated, defined, and considered in the appraisal report.
9. It is assumed that all required licenses, certificates of occupancy, consents, or other legislative or administrative authority from any local, state, or national government or private entity or organization have been or can be obtained or renewed for any use on which the value estimate contained in this report is based.
10. It is assumed that the utilization of the land and improvements is within the boundaries or property lines of the property described and that there is no encroachment or trespass unless noted in the report.
11. Any proposed or partially completed improvements included in this report are assumed to be completed in accordance with approved plans and specifications and in a workmanlike manner.
12. Our estimates of future values were formulated based upon market conditions as of the date of appraisal, considerate of future projections concerning supply and demand. The appraiser has no responsibility for significant events that alter market conditions subsequent to the effective date or dates of appraisal.
13. This study is to be used in whole and not in part. No part of it shall be used in conjunction with any other appraisal. Publication of this report or any portion thereof without the written consent of the appraiser is not permitted.
14. The appraiser, by reason of this report, is not required to give further consultation, testimony, or be in attendance in court with reference to the property in question unless arrangements have been previously made.
15. Neither all, nor any part of the contents of this report (especially any conclusions as to value, the identity of the appraiser, or the firm with which the appraiser is connected), shall be disseminated to the public through advertising, public relations, news, sales, or other media without the written consent and approval of the appraiser. The use of this report in any public offering or syndication document is specifically prohibited.
16. Unless otherwise stated in this report, the existence of hazardous substances, including without limitation asbestos, polychlorinated biphenyls, petroleum leakage, or agricultural chemicals, which may or may not be present on the property, or other environmental conditions, were not called to the attention of, nor did the appraiser become aware of such during the appraiser's inspection. The appraiser has no knowledge of the existence of such materials on or in the property unless otherwise stated. The appraiser, however, is not qualified to test such substances or conditions. If the presence of such substances, such as asbestos, urea formaldehyde foam insulation, or other hazardous substances or environmental conditions, may affect the value of the property, the value estimated is predicated on the assumption that there is no such condition on or in the property or in such proximity thereto that it would cause a loss in value. No responsibility is assumed for any such conditions, nor for any expertise or engineering knowledge required to discover them. It is recommended that the client retain an expert in this field, if needed.
17. Disclosure of the contents of this report by the appraiser is controlled by the Appraisal Institute of which one or more signatures of this report is an MAI member and by the Florida Department of Professional Regulation, Division of Appraisal State Certification. The analysis and value conclusions, as well as non-public information about the subject property, are confidential matters and cannot be divulged to any persons other than the party for whom the report is prepared. Exceptions to this confidentiality provision are requests by committees of the Appraisal Institute or the Florida Department of Professional Regulations for peer review, and subpoenas by any court having jurisdiction to request production of the report.
18. Acceptance or use of this report constitutes acceptance of the preceding conditions.

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## Scope of Work

The Palm Beach County Department of Airports (PBCDOA) requires appraisal services for the valuation of various vacant and improved aeronautical and non-aviation properties at the airports owned by Palm Beach County. PBCDOA will advise the appraiser of the aeronautical or non-aviation designation of each parcel. The appraisal of each parcel shall be limited to the real estate, unless notified otherwise by the PBCDOA. The appraisal will include the valuation of non-realty items (fixtures or equipment) identified by the PBCDOA. The appraiser may hire sub-consultants to assist in the valuation on the non-realty items and is responsible for payment of such sub-consultants. Attached is a summary of the properties to be appraised.

The purpose of the appraisal is to provide estimates of the current fair market annual rental value of the various properties, as of a current date of valuation. The intended use of the appraisal is for negotiating with future tenants and establishing the basis for rental adjustment for existing leases. The intended user of the appraisal is AECOM, PBCDOA and FAA.

The appraisal will include selected properties at LNA, PHK and F45 as outlined herein. The appraisal will include a summary of the annual rentals that identify each parcel and estimated annual rent per square foot. The appraisal is to conform to the Uniform Standards of Professional Appraisal Practice (USPAP). The appraiser is state-certified by Florida and holds the MAI designation of the Appraisal Institute. The deliverables include four (4) signed copies of the appraisal, as well as PDF versions of the report and will be delivered within the schedule provided.

The appraisal will include acceptable appraisal valuation methods based on the property type. The appraisal will consider the impact on the use limitations in the analysis of the highest and best use of each parcel. The appraisal of the non-aviation properties will include a review of sales and rentals of similar non-aviation properties proximate to the airport to the extent that said properties exist. The appraisal of the aeronautical properties will be based on rentals of similar aeronautical properties at airports (i.e., commercial service, general aviation) in Florida, to the extent said properties exist.

We will visit each airport and each of the properties, as well as meet with PBCDOA staff to review relevant information concerning each parcel and airports. The PBCDOA will make available, to the extent that such information exists, relevant information concerning each parcel. The appraisal will be reviewed by PBCDOA staff and it is understood the appraisal fee will be paid within 30 days of the completion of the appraisal review by PBCDOA staff, subject to the AECOM payment process. After completion of the appraisal, we will be available to attend meetings and conferences concerning the appraisal. It is understood we will be compensated for such attendance based on our hourly rate and additional work order.

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PBDOA 2022 Appraisal Scope of Work - Phase 2

Airport	Property	
F45 - North County	Non-Aviaiton Subsidiary Parcel	AB - Aviation Building
	Aeronatical Land	AL - Aeronautical Land
	Pavement	NAL - Non-Aviation Land
	Fuel Flowage Fees	NAB - Non-Aviation Building
PHK - Pahokee	Aeronatical Land	
	Pavement	
	Fuel Flowage Fees	
	AB - TBD	
LNA - Lantana	Aeronatical Land	
	Pavement	
	Fuel Flowage Fees	
	NAB - Fire Station	
	NAL - 87 - E. of Fire Station	
	NAL - 88 - Congress/JFK - OnePcl/MultiPcl	
LNA - Lantana	NAL - 89A - Congress/Lantana	
	AB - 101A-108	
	AB - 109, 110	
	AB - 112	
	AB - 201-210	
	AB - 211/212	
	AB - 214	
	AB - 301, 302	
	AB - 303, 304, 306, 309, 311	
	AB - 305	
	AB - 308	
	AB - 310	
	AB - 312	
	AB - 402	
	AB - 404,406	
	AB - 408	
	AB - 502-510	
	AB - 600	
	AB - 803	
	AB - 805	
	AB - 807	
	AB - 901	
	AB - 1101	
	AB - 1102	
	AB - 1201	
	AB - 1301	
	AB - 1401	
	AB - 1501	

## EXHIBIT A-8

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-8**

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

**Palm Beach International Airport (PBI)**

**Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services) Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration and Development of CDs and Costs.

**SCOPE OF WORK**

AECOM is submitting this Project Task that includes the additional services that were incorporated into the previously developed Task I-21-PBI-A-053: PBI James L Turnage Blvd Bridge Repairs Project (PBI Bridge Repair Project). These additional items are as follows:

**Restore Friction Surface Coating:**

The existing friction course in need of repairs is located at the end of Bridge 8 (Bridge at the Entrance to the Enplane Terminal) and beginning and end of Bridge 3 (Bridge along the length of the Terminal). The area in need of repair exhibits peeling and general deterioration associated with prolonged exposure to the elements. AECOM developed design corrections that were incorporated into the construction plans, specifications, quantities, and cost estimates for the PBI Bridge Repair Project.

**Pressure Clean and Class 5 Finish Application:**

AECOM added including a Class 5 Finish Coating to the exterior face of each Structure, as per FDOT Specifications to all 7 bridges included in the PBI Bridge Repair Project. As part of the procedure for applying a Class 5 Finish, pressure cleaning needs to be performed prior to the application of the surface finish. The north side of Bridge 10 contains Architectural panels attached to the bridge. These panels will be pressure cleaned, but no Class 5 Finish is to be applied, due to the panel's texture. AECOM developed design corrections that were incorporated into the construction plans, specifications, quantities, and cost estimates for the PBI Bridge Repair Project.

**DELIVERABLES**

Incorporate the Friction Surface Coating and the Pressure Clean and Class 5 Finish Application Items into the construction plans, specifications, quantities, and cost estimates for the PBI Bridge Repair Project.

**PROJECT SCHEDULE**

The schedule for this Task is within 30 days of the NTP.



Table B  
Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)

Billing Rate:			\$	181	\$	212	\$	247	\$	182	\$	120	\$	89	\$	90
Labor Estimate (Hours)														Fee Estimate (\$)		
Task Description (Scope of Work)			QA/QC Reviewer	Senior Structural Engineer	Senior Project Manager	Design Manager	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total			
SUPPLEMENTAL 1		Total	14	60	18	0	124	0	8	232	\$35,300	\$0	\$35,300			
Restore Friction Surface Coating (Bridge 3 & 8)			6	40	4		60		2	120	\$ 17,934	\$ -	\$ 17,934			
Pressure Clean & apply Class 5 Finish to all Bridges & Arch Panels			4	4	4		24		2	38	\$ 5,620	\$ -	\$ 5,620			
Quantities and Cost Estimates			4	8	2		40		2	56	\$ 7,894	\$ -	\$ 7,894			
Coordination, Meetings and Task Management				8	8				2	18	\$ 3,852	\$ -	\$ 3,852			
Total Fee - AECOM Technical Services, Inc.			14	60	18	0	124	0	8	232	35,300	0	\$ 35,300			
Subconsultant Fees																
						Lump Sum	\$ 35,300.00									
						T&M	\$ -									
						Expenses	\$ -									
						\$ 35,300.00										
Total Fee - Subconsultants			\$ -													
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES																
			\$ 35,300.00													

Prepared by: AECOM Technical Services, Inc.

## EXHIBIT A-9

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-9**

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

**Palm Beach International Airport (PBIA)**

**Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services) Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration and Development of CDs and Costs.

**SCOPE OF WORK**

AECOM is submitting this Project Task that includes the additional services that were incorporated into the previously developed Task I-21-PBI-A-047: PBIA Repairs to Short-Term and Long-Term Parking Garages 2 and 3 Project (PBI Garage Repair Project). These additional items are as follows:

**Pressure Cleaning and Sealing:**

All 3 Garages are to undergo pressure cleaning and sealing of all the exterior surfaces. Additionally, Bridge 10 Architectural panels are to be sealed (Bridge 10 pressure cleaning is to be performed under a separate contract). This scope develops design corrections that will be incorporated into the construction plans, specifications, quantities, and cost estimates for the PBI Garage Repair Project.

**Fourth Level of Short Term Parking Garage – Wearing Surface Repair and Restriping:**

The existing wearing surface of Short-Term Parking Garage Level 4 and the Ramp to Level 5 exhibit peeling and general deterioration. This scope develops design

corrections that will be incorporated into the construction plans, specifications, quantities, and cost estimates, for the repair of the existing Wearing Surface and restriping the affected areas, for the PBI Garage Repair Project.

**Verify, Re-evaluate, and Improve Signage at the Short Term and Long Term Parking Garages 2 & 3:**

AECOM performed a series of site visits to verify the condition of the signage for Short Term and Long Term Parking Garages 2 & 3. Based on our survey, AECOM will replace signs where appropriate and add new signs to develop a more comprehensive, easy to understand sign system. AECOM will develop demolition plans, sign location plans, sign fabrication details, and new sign schedules for all 3 garages. This scope develops a sign plan system that will be incorporated into the construction plans, specifications, quantities, and cost estimates for the PBI Garage Repair Project.

**DELIVERABLES**

Incorporate the following items into the PBI Garage Repair Project:

- Pressure Cleaning and Sealing;
- Fourth Level of Short Term Parking Garage – Wearing Surface Repair and Restriping; and
- Verify, Re-evaluate, and Improve Signage at the Short Term and Long Term Parking Garages 2 & 3.

**PROJECT SCHEDULE**

The schedule for this Task is within 60 days of the NTP.



Table B  
Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)

Billing Rate:		\$	181	\$	212	\$	247	\$	182	\$	120	\$	89	\$	90
Labor Estimate (Hours)										Fee Estimate (\$)					
Task Description (Scope of Work)		QC Reviewer	Senior Structural Engineer	Senior Project Manager	Design Manager	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total			
SUPPLEMENTAL 1	Total	20	46	20	152	208	0	8	454	\$71,656	\$0	\$71,656			
Pressure wash and seal all garages & seal architectural panels of Bridge 10		4	8	4	8	48			72	\$ 10,624	\$ -	\$ 10,624			
4th Level of Short Term Parking Garage - Wearing surface repair and restriping		4	22	4	12	40			82	\$ 13,360		\$ 13,360			
Site visits to verify and re-evaluate signage at the Short Term and Long Term Parking Garages 2 & 3					30	24			54	\$ 8,340	\$ -	\$ 8,340			
Develop signage at the Short Term and Long Term Parking Garages 2 & 3		8	8	4	90	80			190	\$ 30,112	\$ -	\$ 30,112			
Quantities and Cost Estimates for Supplemental Tasks		4	8	2	6	16			36	\$ 5,926	\$ -	\$ 5,926			
Coordination, Meetings and Task Management				6	6			8	20	\$ 3,294	\$ -	\$ 3,294			
Total Fee - AECOM Technical Services, Inc.		20	46	20	152	208	0	8	454	71,656	0	\$ 71,656			
Subconsultant Fees															
					Lump Sum	\$ 71,656.00									
					T&M	\$ -									
					Expenses	\$ -									
					\$ 71,656.00										
Total Fee - Subconsultants		\$ -													
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES															
		\$ 71,656.00													

Prepared by: AECOM Technical Services, Inc.

## EXHIBIT A-10

## **PALM BEACH DOA GENERAL CONSULTING SERVICES**

### **EXHIBIT A-10**

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

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#### **Palm Beach International Airport (PBI) Task I-22-PBI-A-073 Drainage Culvert Project**

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### **OVERVIEW**

The Palm Beach DOA Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (CONSULTANT) provide Professional Engineering Services associated with the Drainage Culvert Project (Project) at Palm Beach International Airport (PBI). The project consists of replacing a portion of the E-3 ½ Canal with a new 975' culvert that consists of five (5) Cells of 13' Diameter, Round, Aluminum Structural Plates (Proposed 5-13' ASPs). These Proposed 5-13' ASPs are required to replace a portion of the canal and support the future loading of a 737-800 aircraft (174,700 lbs.). The E-3 ½ Canal is located just south of Green Street and east of Military Trail (see Attached Location Sketch). This Project aligns with the recommendations proposed by the PBI Master Plan, and the new culvert system accommodates the same hydraulic functions and flood protection as the canal that it is replacing, for the area. The previously developed Task III-21-PBI-A-046 – PBI Drainage Culvert Project Definition Document (2022 PDD), prepared by AECOM, estimated that the program costs for this Project to be \$13.4M.

The CONSULTANT will prepare Construction Documents (CDs) for the design and bidding services of the Project. The culvert design shall be in accordance with the SFWMD requirements and in accordance with the C-51 drainage basin rule. The project specifications will be based on FAA AC 150/5370-10F, Standards for Specifying Construction of Airports and the Florida Department of Transportation (FDOT) Design Standards. The Construction Safety and Phasing Plans (CSPPs) will be prepared in compliance with FAA AC 150/5370-2F Operational Safety On Airports During Construction.

The CONSULTANT will provide basic services including: drainage design, phasing, survey, utility locations, and geotechnical engineering services. The CONSULTANT will prepare construction documents; and support the DOA during the bid and award services. A brief overview of pertinent tasks to be performed by the CONSULTANT for the Project includes:

1. Attend One (1) DOA Design Kick-Off Meeting and meeting minutes;
2. Coordinate One (1) Internal Design Team Kick-Off Meeting;



3. Attend Two (2) Field Coordination Meetings (For survey and geotechnical services);
4. Attend Three (3) DOA Submittal Review Meetings. Prepare meeting agenda and meeting minutes (60%, 90%, and 100% Contract Documents);
5. Perform two (2) project site investigations visits;
6. Prepare PowerPoint Presentations, sketches and agenda for meetings (as applicable);
7. Coordinate Data Collection, Records Research and Review of As-built information;
8. Validate Program Cost Estimate;
9. Existing Conditions Analysis – Topographic Survey, Utility Locations, and Geotechnical Investigations;
10. Facilitate Design Coordination meetings via conference calls and webinars;
11. Develop Construction Safety and Phasing Plans (CSPPs);
12. Prepare 60%, 90% and 100% Contract Documents, General Provisions, Technical Specifications, Drawings, Project Schedule, Engineer's Report, Cost Estimates, Submit Permitting Documents to SFWMD, Engineer's Report, and CSPP Report;
13. Task Management/Task Administration – Coordination with DOA, FAA, DOA Operations, Permitting Agencies (if applicable), Subconsultants, and other stakeholders;
14. Provide Quality Assurance for all deliverables;
15. Prepare and Assemble Final Bid Documents: Project Manual, Technical Specifications and Drawings;
16. Assist DOA in Advertisement and Bidding of Task – Issue Addendums, attend Pre-bid meeting, prepare meeting minutes, coordinate a site visit, and answer contractor questions;
17. Evaluate Bids and Prepare Bid Recommendations Award Letter and Bid Tabulations;
18. Task Management;
19. Task Coordination (FAA, ATCT, DOA Operations, SFWMD, Other Consultants, and other interested project stakeholders); and,
20. Construction Administration Services and Resident Project Representative Services will not be included in this task authorization.

**Project Team**

This Project Team for the Basic Services and Special Services and the respective type of services to be provided by the Team are provided below:

Firm Name (CONSULTANT/SUBCONTRACTOR)	Type of Services
AECOM Technical Services, Inc. (AECOM) (CONSULTANT)	Project Management; Civil and Drainage Design/Permitting
Brown and Phillips (B&P) (SUBCONTRACTOR)	Topographic Survey / Utility Locates
Tierra South Florida (TSF)	Geotechnical Investigations



(SUBCONTRACTOR)	
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**SCOPE OF SERVICES**

Our scope of services will follow three distinct phases: Phases 1 and 2. Phase 1 consists of three (3) subphases: sixty percent (60%) design completion of the Contract Documents (Phase 1A); ninety percent (90%) design completion (Phase 1B); and, final design completion (100%) of Bid Documents (Phase 1C). Phase 2 consists of Bidding and Award of Contract requirements.

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% 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% 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 Subcontractors. 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 distribute the meeting minutes which will highlight outstanding action items and meeting details. Immediately following the Kick-Off Meeting, the field investigative services associated with the survey and geotechnical services will begin. All airfield investigative services will be coordinated with DOA Operations.

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 design, as-built, 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 E 3 ½ Canal will be obtained from the DOA records database.

**1.2. Field Investigative Services**

During the execution of Field Investigative Services activities, B&P will develop the topographic survey and perform utility soft digs. TSF will perform geotechnical/subsurface investigations.

**1.2.1 Topographic Survey and Utility Locates**

B&P will perform the surveying services utility locates for this task. The major components of the survey are the development of a topographic survey within the area shown on Attachment B of the attached B&P detailed scope and fee. The topographic survey will obtain data including: pavement, utilities, canals, and drainage structures. Cross sections and soundings will be obtained every 100 feet along the canal and extend to 50 feet past the top of bank. B&P will perform utility designating investigation services, consisting of up to fifteen (15) soft digs, specifically in areas where reconstruction will be performed. The purpose of the utility investigations are to determine the horizontal locations, and depths, of subsurface utilities to be used for the basis of design for areas where the Proposed 5-13' ASPs are being constructed. See the attached B&P scope and fee for a more detailed description of the B&P services.

**1.2.2 Geotechnical/subsurface investigations**

TSF will perform the geotechnical/subsurface investigations services for this contract, specifically related to the construction of the Proposed 5-13' ASPs. The major components of the geotechnical/subsurface investigations services include the following items:

- Perform six (6) SPT borings to a depth of 25 feet to determine the subsurface conditions;
- Perform probes within the canal to determine subsurface conditions and collect water and soil samples for corrosion testing;
- Laboratory tests including sieve analysis, organic, and moisture content;
- Soil Boring Location Plan;
- Soil Boring profile denoting boring number, Unified Soil Classification (USC), location of groundwater table depth, number of blows, standard penetration resistance in blows per foot, northing and easting, date performed, and depth in feet;



- Recommendation for site preparation, foundation design and some construction considerations;

### **1.2.3 Site Evaluation**

#### **1.2.3.1 Records Review:**

The CONSULTANT will review as-built and record documents associated with the Project areas for this task, provided by the DOA.

#### **1.2.3.2 Visual Inspections:**

The CONSULTANT will perform two (2) site visits to evaluate the condition of the Project Area.

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

1. Cover Sheet (60%).
2. Drawings Index (60%).
3. Summary of Quantities (Base Bid and Alternates, if applicable) (60%).
4. Safety and Security Plan (60%).
5. Staging and Haul Route Plan (60%).
6. Overall Phasing Plan (60%).
7. Phasing Plans, Details and Maintenance of Traffic (60%).
8. Survey Control Plan (60%).
9. Existing Conditions Plan (60%).
10. Geometry Plans (60%).
11. Demolition Plan (60%).
12. Grading and Drainage Plans (60%).
13. Stormwater Pollution Prevention Plans (60%).
14. Stormwater Pollution Prevention Notes and Details (60%).
15. Drainage Details (60%).
16. Utilities Details (60%).
17. Site Utility Plans (Existing, Relocated and Proposed) [60%].
18. Miscellaneous Details (60%).
19. Cross Section Layout Plan (60%).

The CONSULTANT will prepare and submit an Engineer's Design Report covering all findings and recommendations developed throughout the 60% Design Development Phase including 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 Program Cost Estimates;
- j. 60% Project Schedule; and,
- k. 60% Engineer's Report containing Geotechnical Report.

**1.6. Schedule**

The anticipated duration of this phase is 90 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 and by 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 (Base Bid and Alternates, if applicable) [90%].
4. Safety and Security Plan (90%).
5. Staging and Haul Route Plan (90%).
6. Overall Phasing Plan (90%).
7. Phasing Plans, Details and Maintenance of Traffic (90%).
8. Survey Control Plan (90%).
9. Existing Conditions Plan (90%).
10. Demolition Plan (90%).
11. Grading and Drainage Plans (90%).
12. Stormwater Pollution Prevention Plans (90%).
13. Stormwater Pollution Prevention Notes and Details (90%).
14. Drainage Details (90%).
15. Utilities Details (90%).



16. Site Utility Plans (Existing, Relocated and Proposed) (90%).
17. Miscellaneous Details (90%).
18. Cross Section Layout Plan (90%).
19. Cross Sections Plans (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. Regulatory permitting agencies documentation;
- c. 90% Contract Drawings;
- d. 90% Project Manual - Technical Specifications, Front Ends and FAA General Provisions;
- e. Construction Safety and Phasing Plan;
- f. 90% Project Cost Budget Estimates;
- g. 90% Project Schedule; and,
- h. 90% Engineer's Report.

## **2.4 Schedule**

The anticipated duration of this phase is 60 calendar days.

## **3 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 (Base Bid and Alternates, if applicable) [100%].
4. Safety and Security Plan (100%).
5. Staging and Haul Route Plan (100%).
6. Overall Phasing Plan (100%).

7. Phasing Plans, Details and Maintenance of Traffic (100%).
8. Survey Control Plan (100%).
9. Existing Conditions Plan (100%).
10. Demolitions Plan (100%).
11. Geometry Plans (100%).
12. Grading and Drainage Plans (100%).
13. Drainage Details (100%).
14. Utilities Details (100%).
15. Site Utility Plans (Existing, Relocated and Proposed) [100%].
16. Miscellaneous Details (100%).
17. Cross Section Layout Plan (100%).
18. 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 are to be made 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. Regulatory permitting agencies documentation;
- c. 100% Contract Drawings;
- d. 100% Project Manual - Technical Specifications, Front Ends and FAA General Provisions;
- e. Construction Safety and Phasing Plan;
- f. 100% Project Cost Budget Estimates;
- g. 100% Project Schedule; and,
- h. 100% Engineer's Report.

### **3.4 Schedule**

The anticipated duration of this phase is 60 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 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.

**5.1 Deliverables**

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

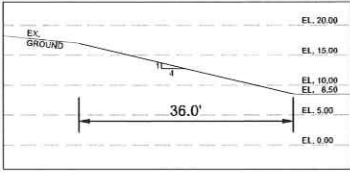
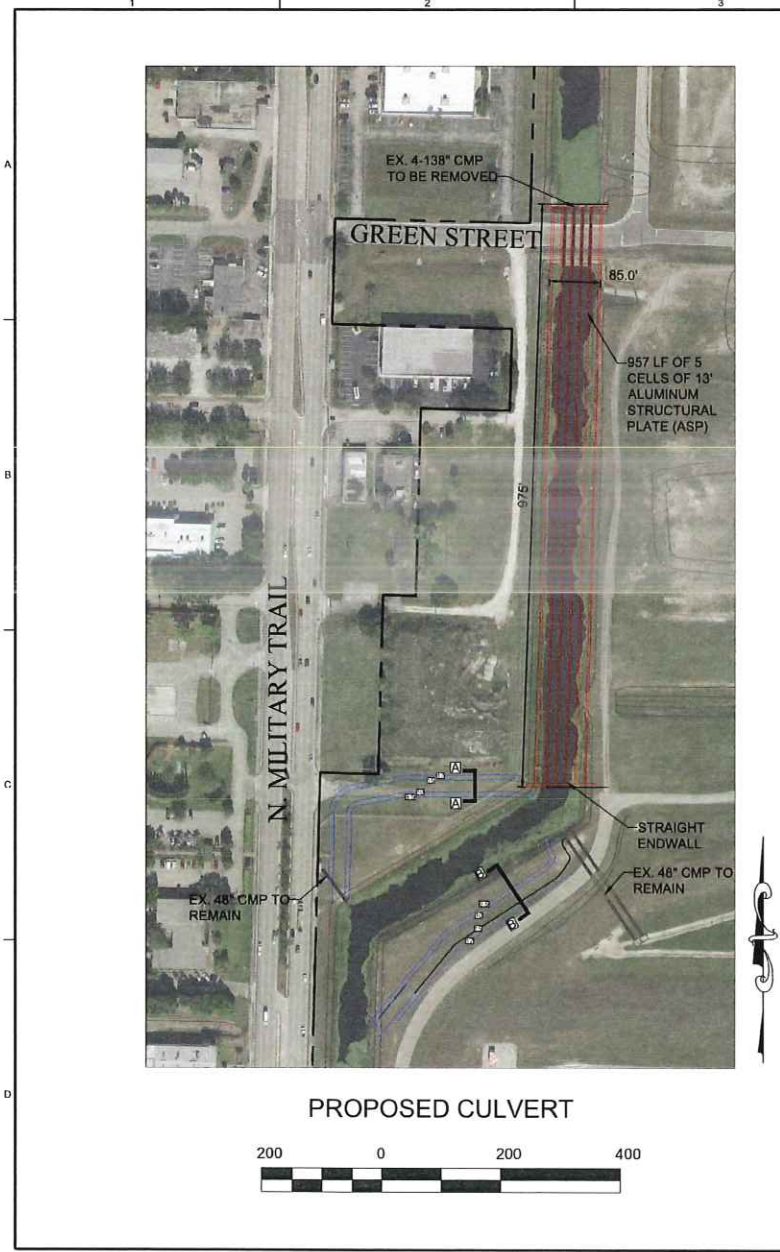
**5.1 Schedule**

The anticipated duration of this phase is 30 calendar days.

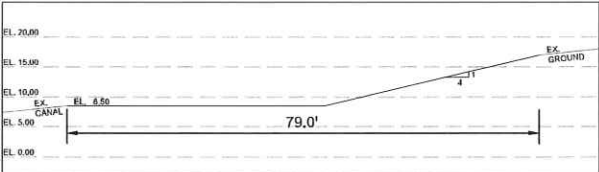
**Assumptions:**

1. DOA will provide all record documents applicable to this task.
2. DOA will pay for all permitting costs.
3. Construction Administration and Resident Project Representative Services are not included in this scope of services. If requested, the CONSULTANT will perform Construction Administration and Resident Project Representative Services via a separate task order.
4. In providing opinions of probable construction costs, the DOA understands that the CONSULTANT has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made based on the CONSULTANT'S qualifications and experience. The CONSULTANT makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.
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.





SECTION A-A  
PROPOSED SWALE  
TYPICAL SECTION VIEW  
SCALE: 1"=20'



SECTION B-B  
PROPOSED SWALE  
TYPICAL SECTION VIEW  
SCALE: 1"=20'



PALM BEACH INTERNATIONAL AIRPORT  
1000 PBI, SUITE 123  
WEST PALM BEACH, FLORIDA 33406

CONSULTANT / DESIGNER  
**AECOM**  
2700 PALM BEACH LINES BOULEVARD  
WEST PALM BEACH, FLORIDA 33411  
LICENSE NO. EB 9115



DESIGN APPROVED BY  
  
PETER A. MAY  
FL. P.E. NO. 64374

DRAINAGE CULVERT  
PROJECT DEFINITION  
DOCUMENT (PDD)

FAA AIP NO. 11A  
TASK: II-21-PBA-046

REVISIONS	

DATE ISSUED  
DESIGNED BY: KM  
DRAWN BY: KM  
REVIEWED BY:

FILENAME  
SHEET TITLE

PROPOSED CULVERT  
  
SHEET NUMBER  
EXHIBIT 3



Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-073 Drainage Culvert Project

Billing Rate:		\$ 181	\$ 247	\$ 182	\$ 185	\$ 120	\$ 97	\$ 90				
Labor Estimate (Hours)									Fee Estimate (\$)			
Task Description		QC Reviewer	Senior Project Manager	Design Manager	Senior Engineer	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
Task I-22-PBI-A-073 Drainage Culvert Project												
Phase 1A	Total	40	41	121	350	476	390	28	1,446	\$201,609	\$2,000	\$203,609
Attend One (1) DOA Kick-Off Meeting, Agenda & Minutes			2	2	2				6	\$ 1,228	\$ 1,000	\$ 2,228
Internal Design Team Kick-Off Meeting			2	2	2				6	\$ 1,228	\$ -	\$ 1,228
Documents Data Collection and Records Research				8	16	16			40	\$ 6,336	\$ -	\$ 6,336
Attend Two (2) Field Coordination Meetings				4	8	8			20	\$ 3,168	\$ -	\$ 3,168
a. Topographic Survey/Utility Locates (Coord Field Activities)						4			4	\$ 480	\$ -	\$ 480
b. Geotechnical / Subsurface Investigations (Coord Field Activities)						16			16	\$ 1,920	\$ -	\$ 1,920
Preliminary Design Submittal Deliverables:									0	\$ -	\$ -	\$ -
a. Preliminary Topographic Survey (Review)					4		4		8	\$ 1,128	\$ -	\$ 1,128
b. Preliminary Geotechnical Investigations Data (Review)					4				4	\$ 740	\$ -	\$ 740
Two Site Visits/Evaluations				4	12	12			28	\$ 4,388	\$ 1,000	\$ 5,388
60% Design Submittal Deliverables:									0	\$ -	\$ -	\$ -
a. 60% Design Development Drawings:									0	\$ -	\$ -	\$ -
Cover Sheet (60%).						2			2	\$ 240	\$ -	\$ 240
Drawings Index (60%).					2	2			4	\$ 610	\$ -	\$ 610
Summary of Quantities/General Notes (60%).				2	2	8			12	\$ 1,694	\$ -	\$ 1,694
Staging and Haul Route Plan (60%).				2	4	8			14	\$ 2,064	\$ -	\$ 2,064
Survey Control Plan (60%).						2	6		8	\$ 822	\$ -	\$ 822
Existing Conditions Plan (60%).				2	8	8	40		58	\$ 6,684	\$ -	\$ 6,684
Demolition Plan (60%).				2	8	24	60		94	\$ 10,544	\$ -	\$ 10,544
Typical Sections (60%).				2	8	16	24		50	\$ 6,092	\$ -	\$ 6,092
Geometry Plans (60%).				1	4	4	8		17	\$ 2,178	\$ -	\$ 2,178
Grading Plans (60%).				2	16	24	40		82	\$ 10,084	\$ -	\$ 10,084
Drainage Plans (60%).				24	40	80			144	\$ 21,368	\$ -	\$ 21,368
Stormwater Pollution Prevention Plans (60%).				2	4	8	16		30	\$ 3,616	\$ -	\$ 3,616
Stormwater Pollution Prevention Notes and Details (60%).				2	2	6	16		26	\$ 3,006	\$ -	\$ 3,006
Drainage Details (60%).				8	16	40	80		144	\$ 16,976	\$ -	\$ 16,976
Miscellaneous Details (60%).				4	4	8	8		24	\$ 3,204	\$ -	\$ 3,204
Overall Phasing Plans (60%).				2	2	8	16		28	\$ 3,246	\$ -	\$ 3,246
Construction Phasing and Security Notes and Details(60%).				2	8	32	32		74	\$ 8,788	\$ -	\$ 8,788
Cross Section Layout Plan (60%).				2	2	8			12	\$ 1,694	\$ -	\$ 1,694
Cross Sections (60%)				2	8	8	40		58	\$ 6,684	\$ -	\$ 6,684
60% Technical Specifications			1	2	40	16			59	\$ 9,931	\$ -	\$ 9,931
60% Construction Safety and Phasing Plan				2	4	16		2	24	\$ 3,204	\$ -	\$ 3,204
60% Project Construction Cost Estimate			1	2	8	24			35	\$ 4,971	\$ -	\$ 4,971
60% Project Schedule			1	2	4	8			15	\$ 2,311	\$ -	\$ 2,311
60% Engineer's Report w/ Geotechnical Report			1	3	40	30		2	76	\$ 11,973	\$ -	\$ 11,973
60% Regulatory permitting agencies documentation			1	2	8	8		4	23	\$ 3,411	\$ -	\$ 3,411
Structural Loading Calculations		8	4	4	40				56	\$ 10,564	\$ -	\$ 10,564
ISO 9001 - QA/QC Review		32	4	4	2	4		4	50	\$ 8,718	\$ -	\$ 8,718
Team Coordination Meetings				2	2	2			6	\$ 974	\$ -	\$ 974
One (1) DOA Review Submittal Meeting				3	3	3			9	\$ 1,461	\$ -	\$ 1,461
Regulatory Permitting Agencies Meetings				1	4	4			9	\$ 1,402	\$ -	\$ 1,402
Task Coordination (FAA, ATCT, DOA, SFWMD, Consultants, etc.)			8	8	4	4		8	32	\$ 5,372	\$ -	\$ 5,372
Task Management and Coordination			16	5	5	5		8	39	\$ 7,107	\$ -	\$ 7,107

Table B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-073 Drainage Culvert Project

Billing Rate:		\$ 181	\$ 247	\$ 182	\$ 185	\$ 120	\$ 97	\$ 90
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		Labor Estimate (Hours)							Fee Estimate (\$)			
Task Description		QC Reviewer	Senior Project Manager	Design Manager	Senior Engineer	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
<b>Task I-22-PBI-A-073 Drainage Culvert Project</b>												
<b>Phase 1B</b>	<b>Total</b>	<b>32</b>	<b>12</b>	<b>82</b>	<b>197</b>	<b>289</b>	<b>92</b>	<b>62</b>	<b>766</b>	<b>\$109,309</b>	<b>\$1,000</b>	<b>\$110,309</b>
90% Design Submittal Deliverables:									0	\$ -	\$ -	\$ -
a. 90% Design Development Drawings:									0	\$ -	\$ -	\$ -
Cover Sheet (90%).						1			1	\$ 120	\$ -	\$ 120
Drawings Index (90%).						1			1	\$ 120	\$ -	\$ 120
Summary of Quantities/General Notes [90%].						1			1	\$ 120	\$ -	\$ 120
Staging and Haul Route Plan (90%).					2	4			6	\$ 850	\$ -	\$ 850
Survey Control Plan (90%).						2			2	\$ 240	\$ -	\$ 240
Existing Conditions Plan (90%).				2	4	4	8		18	\$ 2,360	\$ -	\$ 2,360
Demolition Plan (90%).				2	4	8	12		26	\$ 3,228	\$ -	\$ 3,228
Typical Sections (90%).				1	4	16			21	\$ 2,842	\$ -	\$ 2,842
Geometry Plans (90%).				2	2	4	8		16	\$ 1,990	\$ -	\$ 1,990
Grading Plans (90%).				4	8	16	24		52	\$ 6,456	\$ -	\$ 6,456
Drainage Plans (90%).				4	25	40			69	\$ 10,153	\$ -	\$ 10,153
Stormwater Pollution Prevention Plans (90%).				2	2	8			12	\$ 1,694	\$ -	\$ 1,694
Stormwater Pollution Prevention Notes and Details (90%)..				2	2	2			6	\$ 974	\$ -	\$ 974
Drainage Details, if applicable (90%).				2	8	24			34	\$ 4,724	\$ -	\$ 4,724
Miscellaneous Details (90%).				2	4	8			14	\$ 2,064	\$ -	\$ 2,064
Overall Phasing Plans (90%).				2	8	12			22	\$ 3,284	\$ -	\$ 3,284
Construction Phasing and Security Notes and Details (90%).				2	8	12		4	26	\$ 3,644	\$ -	\$ 3,644
Cross Section Layout Plan (90%).				2	2	4			8	\$ 1,214	\$ -	\$ 1,214
Cross Sections (90%).				2	4	16	40	4	66	\$ 7,264	\$ -	\$ 7,264
90% Technical Specifications				2	20	12		4	38	\$ 5,864	\$ -	\$ 5,864
90% Front End Specifications & FAA General Provisions				2	12	12		4	30	\$ 4,384	\$ -	\$ 4,384
90% Construction Safety and Phasing Plan				2	8	8		4	22	\$ 3,164	\$ -	\$ 3,164
90% Project Construction Cost Estimate				2	8	24			34	\$ 4,724	\$ -	\$ 4,724
90% Project Schedule				4	4	12			20	\$ 2,908	\$ -	\$ 2,908
90% Engineer's Report w/ Geotechnical Report				2	4	8		2	16	\$ 2,244	\$ -	\$ 2,244
90% Regulatory permitting agencies documentation				2	8	8		8	26	\$ 3,524	\$ -	\$ 3,524
Structural Loading Calculations	8		4	4	24				40	\$ 7,604	\$ -	\$ 7,604
ISO 9001 - QA/QC Review	24			2				16	42	\$ 6,148	\$ -	\$ 6,148
Team Coordination Meetings				4	4	4			12	\$ 1,948	\$ -	\$ 1,948
Perform One (1) Project Site Visit				2	3	3			8	\$ 1,279	\$ 1,000	\$ 2,279
One (1) DOA Review Submittal Meeting				3	3	3			9	\$ 1,461	\$ -	\$ 1,461
Regulatory Permitting Agencies Meetings				4	4	4			12	\$ 1,948	\$ -	\$ 1,948
Task Coordination (FAA, ATCT, DOA, SFWMD, Consultants, etc.)			8	8	4	4		8	32	\$ 5,372	\$ -	\$ 5,372
Task Management and Coordination				8	4	4		8	24	\$ 3,396	\$ -	\$ 3,396



Table B

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-073 Drainage Culvert Project

Billing Rate:		\$ 181	\$ 247	\$ 182	\$ 185	\$ 120	\$ 97	\$ 90
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Task Description		Labor Estimate (Hours)							Fee Estimate (\$)			
		QC Reviewer	Senior Project Manager	Design Manager	Senior Engineer	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total
<b>Task I-22-PBI-A-073 Drainage Culvert Project</b>												
<b>Phase 1C</b>	<b>Total</b>	<b>28</b>	<b>14</b>	<b>50</b>	<b>122</b>	<b>178</b>	<b>36</b>	<b>46</b>	<b>474</b>	<b>\$69,188</b>	<b>\$0</b>	<b>\$69,188</b>
100% Design Submittal Deliverables:									0	\$ -	\$ -	\$ -
a. 100% Design Development Drawings:									0	\$ -	\$ -	\$ -
Cover Sheet (100%).						1			1	\$ 120	\$ -	\$ 120
Drawings Index (100%).						1			1	\$ 120	\$ -	\$ 120
Summary of Quantities (100%).						2			2	\$ 240	\$ -	\$ 240
Safety and Security Plan (100%).				1	1	2			4	\$ 607	\$ -	\$ 607
Staging and Haul Route Plan (100%).					1	4			5	\$ 665	\$ -	\$ 665
Survey Control Plan (100%).						1			1	\$ 120	\$ -	\$ 120
Existing Conditions Plan (100%).				1	2	4	8		15	\$ 1,808	\$ -	\$ 1,808
Demolition Plan (100%).				1	2	4	8		15	\$ 1,808	\$ -	\$ 1,808
Geometry Plans (100%).					2	4	8		14	\$ 1,626	\$ -	\$ 1,626
Grading Plans (100%).					4	8	12		24	\$ 2,864	\$ -	\$ 2,864
Drainage Plans (100%).					4	8			12	\$ 1,700	\$ -	\$ 1,700
Stormwater Pollution Prevention Plans (100%).					2	4			6	\$ 850	\$ -	\$ 850
Stormwater Pollution Prevention Notes and Details (100%)..					2	4			6	\$ 850	\$ -	\$ 850
Drainage Details, if applicable (100%).					2	4			6	\$ 850	\$ -	\$ 850
Miscellaneous Details (100%).					2	4			6	\$ 850	\$ -	\$ 850
Overall Phasing Plans (100%).				2	8	12			22	\$ 3,284	\$ -	\$ 3,284
Construction Phasing and Security Notes and Details (100%).				2	8	12		4	26	\$ 3,644	\$ -	\$ 3,644
Cross Section Layout Plan (100%).						2			2	\$ 240	\$ -	\$ 240
Cross Sections (100%).					2	16			18	\$ 2,290	\$ -	\$ 2,290
100% Technical Specifications				2	12	6		2	22	\$ 3,484	\$ -	\$ 3,484
100% Front End Specifications & FAA General Provisions				2	12	12		4	30	\$ 4,384	\$ -	\$ 4,384
100% Construction Safety and Phasing Plan				1	6	6		2	15	\$ 2,192	\$ -	\$ 2,192
100% Project Construction Cost Estimate				2	8	24			34	\$ 4,724	\$ -	\$ 4,724
100% Project Schedule				2	2	4			8	\$ 1,214	\$ -	\$ 1,214
100% Engineer's Report w/ Geotechnical Report				2	4	8			14	\$ 2,064	\$ -	\$ 2,064
100% Regulatory permitting agencies documentation				2	4	4		2	12	\$ 1,764	\$ -	\$ 1,764
Structural Loading Calculations		4	2	2	12				20	\$ 3,802	\$ -	\$ 3,802
ISO 9001 - QA/QC Review		24	4	2	2	2		16	50	\$ 7,746	\$ -	\$ 7,746
Team Coordination Meetings				4	4	4			12	\$ 1,948	\$ -	\$ 1,948
One (1) DOA Review Submittal Meeting				3	3				6	\$ 1,101	\$ -	\$ 1,101
Regulatory Permitting Agencies Meetings				3	3	3			9	\$ 1,461	\$ -	\$ 1,461
Task Coordination (FAA, ATCT, DOA, SFWMD, Consultants, etc.)			8	8	4	4		8	32	\$ 5,372	\$ -	\$ 5,372
Task Management and Coordination				8	4	4		8	24	\$ 3,396	\$ -	\$ 3,396

**Table B**  
**Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-073 Drainage Culvert Project**

Billing Rate:		\$	181	\$	247	\$	182	\$	185	\$	120	\$	97	\$	90					
Labor Estimate (Hours)										Fee Estimate (\$)										
Task Description		QC Reviewer	Senior Project Manager	Design Manager	Senior Engineer	Project Engineer	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total								
Task I-22-PBI-A-073 Drainage Culvert Project																				
Phase 2	Total	17	12	21	81	128	60	28	347	\$48,548	\$1,000	\$49,548								
Submit Bid Documents to DOA:																				
a. Bid Drawings				2	2	32	60		96	\$ 10,394	\$ -	\$ 10,394								
b. Bid Technical Specifications					12	12		1	25	\$ 3,750	\$ -	\$ 3,750								
c. Bid Front End Specifications & FAA General Provisions					8	8		1	17	\$ 2,530	\$ -	\$ 2,530								
d. Bid Construction Phasing and Safety Plan Report					4	8		1	13	\$ 1,790	\$ -	\$ 1,790								
e. Bid Project Construction Cost Estimate					4	8		1	13	\$ 1,790	\$ -	\$ 1,790								
ISO 9001 - QA/QC Review		16							16	\$ 2,896	\$ -	\$ 2,896								
Task Management and Coordination			4	4	4			1	13	\$ 2,546	\$ -	\$ 2,546								
Assist DOA in Advertisement and Processing of Bid Documents				2	4	4		2	12	\$ 1,764	\$ -	\$ 1,764								
Prepare and attend Pre-Bid Meeting, Prepare Minutes			4		8	8			20	\$ 3,428	\$ 1,000	\$ 4,428								
Prepare and Maintain Bid Holders Log				1	1			8	10	\$ 1,087	\$ -	\$ 1,087								
Respond to Contractor's Request for Information (RFI's)				2	8	8		2	20	\$ 2,984	\$ -	\$ 2,984								
Prepare and Issue Addenda				4	24	32		2	62	\$ 9,188	\$ -	\$ 9,188								
Attend Bid Opening Meeting				2					2	\$ 364	\$ -	\$ 364								
Prepare, Review and Evaluate Bid Tabulation and Bid Forms			2	2		8		8	20	\$ 2,538	\$ -	\$ 2,538								
Prepare and Submit Recommendation of Bid Award Letter to DOA		1	2	2	2			1	8	\$ 1,499	\$ -	\$ 1,499								
Total Fee - AECOM Technical Services, Inc.		117	79	274	750	1,071	578	164	3,033	\$428,654	\$4,000	\$432,654								
Subconsultant Fees																				
1 Total Subconsultant Fee - Brown and Phillips (LS)		\$ -		<table><tr><td>Lump Sum</td><td>\$428,654</td></tr><tr><td>T&amp;M</td><td>\$33,761.23</td></tr><tr><td>Expenses</td><td>\$4,000</td></tr><tr><td></td><td>\$466,415.23</td></tr></table>									Lump Sum	\$428,654	T&M	\$33,761.23	Expenses	\$4,000		\$466,415.23
Lump Sum	\$428,654																			
T&M	\$33,761.23																			
Expenses	\$4,000																			
	\$466,415.23																			
Total Subconsultant Fee - Brown and Phillips (T&M)		\$ 14,511.23																		
2 Total Subconsultant Fee - Tierra (LS)		\$ -																		
Total Subconsultant Fee - Tierra (T&M)		\$ 19,250																		
Total Fee - Subconsultants		\$ 33,761.23																		
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES																				
		\$ 466,415.23																		

Prepared by: AECOM Technical Services, Inc.



April 14, 2022

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

**Re: Canal Culvert South of Green Street and East of Military Trail  
Topographic Survey with Canal Cross Sections and Soft Digs**

Dear Andy:

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

#### SCOPE OF SERVICES

##### I. TOPOGRAPHIC SURVEY AND CANAL CROSS SECTIONS

Utilizing the survey control (tied into the PACs and SACs) from the survey previously prepared by this office (B&P Project 16-033), we will perform a topographic survey within the area outlined in red on Attachment 'B', tying in all above ground features. This will include but not be limited to pavement, walks, utilities, canals, and drainage structures. We will attempt to get as-built information on all the pipes leading out of any storm structures found. We will show invert elevations, pipe sizes and materials for all pipes located including outfall pipes. We will take cross sections and soundings every 100' along the canal. The sections will extend to 50' past the top-of-bank of the canal in most areas, except at the southmost portion on the west side, the sections will extend to the east edge of pavement of Military Trail. We will prepare a drawing of the canal sections in plan view.

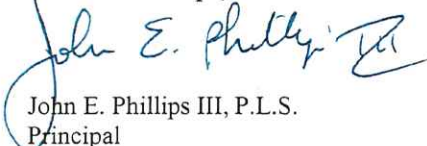
##### II. SOFT DIGS

We will perform up to fifteen (15) soft digs for the utilities in the area. We will locate the elevation of the pipes in each hole. The results will be added to the digital file and furnished to AECOM.

##### III. 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 a **lump sum fee of \$14,511.23** (\$8,886.23 for the survey and \$5,625.00 for 15 soft digs), see Attachment 'A' for an hourly breakdown. Any additional work will be done on an hourly basis as approved by you. Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Brown & Phillips, Inc.

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

Attachment

JEP/mb

This Proposal accepted this \_\_\_\_\_ day of \_\_\_\_\_, 2022

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

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

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

ATTACHMENT 'A'

Canal Culvert South of Green Street and East of Military Trail

Type of Survey: Topographic  
Size: 1700'  
Date: April 14, 2022

TASK	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Meetings and Coordination				2	
Horizontal & Vertical Project Network Control	8		2		Recover control and establish benchmarks
Tie In Improvements and As-builts	16				Locate above ground features and as-built drainage structures
Soundings	16		2		18 canal soundings/cross sections
Soft Digs	8	2	1	1	Locate potholes and obtain pipe elevations in each hole
Drawing		8	2	2	Prepare Topographic Survey
Total Hours:	48	10	7	5	
Rate/Hour	\$140.90	\$84.54	\$84.54	\$137.17	
Subtotal:	\$6,763.20	\$845.40	\$591.78	\$685.85	
Total Labor Cost:					\$8,886.23

<b>Other Direct Costs:</b>	<u>quantity</u>	<u>unit</u>	<u>cost/unit</u>	<u>total</u>	
Soft Digs	15	EA	\$375.00	\$5,625.00	
Other				\$0.00	
<b>Total Other Direct Costs:</b>					\$5,625.00
<b>TOTAL PRICE</b>					<b>\$14,511.23</b>









Revised April 19, 2022  
March 16, 2022

AECOM Technical Services, Inc.  
7650 West Courtney Campbell Causeway  
Tampa, Florida 33607

Attention: Mr. Andy Kacer, P.E., SE Aviation Manager

Re: **Proposal for Geotechnical Services**  
**Proposed Drainage Culvert**  
**Palm Beach International Airport**  
**West Palm Beach, Florida**  
**TSFGeo Proposal No.: 2203-163**

Dear Andy:

As requested, **TSFGeo** is pleased to submit this proposal for the above-referenced project. The proposal is based on information provided by AECOM via email on March 15, 2022. We understand that the project will include construction 5-13 feet diameter ALSP pipes in the existing 1300 linear feet canal at PBIA. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

## **PROPOSED SCOPE OF WORK**

Geotechnical Investigation Services will include the following:

- Attend One (1) DOA Design Kick-Off Meeting;
- Perform six (6) SPT borings to a depth of 25 feet to determine the subsurface conditions;
- Perform probes within the canal to determine subsurface conditions and collect water and soil samples for corrosion testing;
- Work Plan and Utility Coordination;
- Private utility clearance and coordination;
- Laboratory tests including sieve analysis, organic, and moisture content;
- Soil Boring Location Plan;
- Soil Boring profile denoting boring number, Unified Soil Classification (USC), location of groundwater table depth, number of blows, standard penetration resistance in blows per foot, northing and easting, date performed, and depth in feet;
- Recommendation for site preparation, foundation design and some construction considerations;



The Geotechnical Report will include a summary of findings, laboratory results including Moisture Content %, Organic Content %, and Percent Finer than No. 200 Sieve, and will be signed and sealed by a registered professional geotechnical engineer in the State of Florida. The report will include exhibits and figures to illustrate the geotechnical investigation and findings. Geotechnical related recommendations regarding site preparations and some construction considerations.

The geotechnical investigation will be performed in accordance with ASTM Standards (ASTM D 420, ASTM D 2487, ASTM D 2488, ASTM D 422, ASTM D 4318, ASTM D 1557, ASTM D 1883, ASTM D 3385, etc.), and AASHTO T-194.

Prior to drilling at the project site, TSFGeo will notify the local utility companies and request that underground utilities be marked. A specialty utility locator will be utilized to clear boring locations from private utilities. We believe that significant coordination will likely be required to perform the field operations and it is our understanding that the work will be conducted daytime. Our field work will be performed by TSFGeo personnel, escorted by AECOM personnel, if required.

### **ESTIMATED FEES**

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, the estimated total fee is attached.

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.

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. Based on our understanding of the project a breakdown is attached.

### **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 will take about 3 days to complete. The written report can be submitted within three weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary results can be provided 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*

  
Raj Krishnasamy, P.E.  
President

  
Ramakumar Vedula, P.E.  
Principal Engineer

Attachments: 1. Fee Estimate

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

	Unit	# of Units		Unit Price		Total
I. FIELD INVESTIGATION						
Mobilization of Men and Equipment						
Truck-Mounted Equipment	LS	1	\$	350.00	\$	350.00
Support Vehicle	DAY	3	\$	150.00	\$	450.00
Standard Penetration Test Borings (By Track-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	150	\$	13.00	\$	1,950.00
50 - 100 ft depth	L.F.	0	\$	15.00	\$	0.00
Grout-Seal Boreholes (By Track-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	150	\$	6.00	\$	900.00
50 - 100 ft depth	L.F.	0	\$	7.00	\$	0.00
Casing (By Track-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	150	\$	7.00	\$	1,050.00
50 - 100 ft depth	L.F.	0	\$	9.00	\$	0.00
Sampling and Probing, Crew	Day	1	\$	1500.00	\$	1,500.00
Support Boat for sampling, Rental	Day	1	\$	1000.00	\$	1,000.00
Coring Machine + Generator Rental	Trip	0	\$	400.00	\$	0.00
Private utility locator (GPR)	LS	1	\$	2500.00	\$	2,500.00
II. LABORATORY TESTING						
Natural Moisture Content Tests	Test	4	\$	10.00	\$	40.00
Grain-Size Analysis - Full Gradation	Test	4	\$	65.00	\$	260.00
Grain-Size Analysis - Single Sieve	Test	4	\$	35.00	\$	140.00
Organic Content Tests	Test	4	\$	35.00	\$	140.00
Atterberg Limit Tests	Test	0	\$	75.00	\$	0.00
Liquid Limit Tests (Only)	Test	0	\$	52.00	\$	0.00
Plastic Limit Tests (Only)	Test	0	\$	33.50	\$	0.00
Laboratory CBR + Sampling	Test	0	\$	500.00	\$	0.00
Grain-Size with Hydrometer	Test	0	\$	115.00	\$	0.00
Proctor Test a) Modified	Test	0	\$	125.00	\$	0.00
b) Standard	Test	0	\$	105.00	\$	0.00
Corrosion Series	Test	6	\$	150.00	\$	900.00
Bitumen Gradation	Test	0	\$	150.00	\$	0.00
III ENGINEERING/COORDINATION/MANAGEMENT						
Project Manager	Hour	2	\$	175.00	\$	350.00
Principal Engineer	Hour	4	\$	175.00	\$	700.00
Senior Engineer	Hour	12	\$	150.00	\$	1,800.00
Project Engineer	Hour	24	\$	125.00	\$	3,000.00
Senior Technician	Hour	16	\$	75.00	\$	1,200.00
CADD	Hour	12	\$	85.00	\$	1,020.00
					\$	19,250.00

## EXHIBIT A-11



**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-11**

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

**Palm Beach International Airport (PBI)  
Task I-22-PBI-A-074: PBI Roof Replacement CA Phase**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-074: PBI Roof Replacement CA Phase Project (Project). This project replaces the PBI Terminal Roof.

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration and CA Services
Quantum Electrical Engineering, Inc. (QEE)	Electrical CA Services
Colome and Associates (C&A)	Architectural CA Services
Johnson, Levinson, Ragan, Davila, Inc.	Mechanical CA Services

**Task I – CA Services**

AECOM will provide the following CA Services:

- A. Conformed Documents: Prepare (6) sets of Conformed Contract Plans and Specifications for Contract Execution. Prepare (6) sets of Executed Contract Documents for Construction, (4) for DOA and (2) for the CMAR. Prepare a CD with Deliverables;
- B. Conferences and Meetings: Attend and support/facilitate 34 meetings between the DOA, CMAR, and Stakeholders, such as progress meetings (a maximum of 4 meetings during procurement, 26 bi-weekly construction progress meetings, plus 4 miscellaneous meetings);

- C. 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;
- D. Interpretation and clarification of Contract Documents: Respond to various Requests for Information, Job memoranda, and other field prepared inquiries;
- E. 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. Record names, addresses and telephone numbers of all Contractors, subcontractors and major suppliers of material and equipment;
- F. Periodic site visits to monitor construction activity;
- G. AECOM will be responsible for preparation, processing, review and document control of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.
- H. AECOM will review Contractor as-builts for completeness and obvious errors based on readily available information to AECOM. AECOM will provide comments prior to acceptance of the Contractor's As-builts.
- I. Substantial and Final Completion: Conduct substantial and final completion inspection in the company of the owner, and Contractor and prepare a substantial completion, and if necessary a final punch list of items in conjunction with Owner to be completed or corrected;
- J. AECOM will use all readily available information including the Contractor's As-builts to prepare Record Drawings for the completed work;
- K. Task Management and Coordination: Coordinate as needed with DOA, CMAR, and other Project stakeholders; and
- L. Project Close-out Activities: AECOM will prepare Certificate of Substantial Completion and other Project related Close-out activities.

### **PROJECT SCHEDULE**

The CMAR, and our CA Services, are anticipated to last approximately 480 days to complete (60 days procurement, 360 days construction, and 60 days close-out).

### **PROJECT DELIVERABLES**

Project Deliverables are as described in the above-mentioned Task I.

### **PROJECT ASSUMPTIONS**

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

2. AECOM will perform all services listed in this scope of services and it is expected that the DOA will perform all other construction related services that are not listed.
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 CMAR, 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-22-PBI-A-074: PBI Roof Replacement CA Phase

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-074: PBI Roof Replacement CA Phase

Labor Estimate (Hours)											Fee Estimate (\$)			
Task Description		Principal	QC Reviewer	Senior Project Manager	Construction Manager	Project Engineer	Resident Project Representative	Senior CADD Designer	Clerical	Total	Labor	Expenses	Total	
Task I-22-PBI-A-074: PBI Roof Replacement CA Phase														
	CONSTRUCTION ADMINISTRATION SERVICES (LUMP SUM + REIM.)	Total	0	6	50	282	411	0	0	40	789	\$117,680	\$1,900	\$119,580
A	Prepare Conformed Documents		2		2	8				12	\$ 1,686	\$ 600	\$ 2,286	
B	Meetings (34 Const. Meetings)			2	34	17				53	\$ 6,722		\$ 6,722	
C	Process Review and Approve Shop Drawings and Submittals			4	40	40				84	\$ 13,068		\$ 13,068	
D	Interpretation and Clarification of Contract Documents/RFI's			4	40	60				104	\$ 15,468		\$ 15,468	
E	Establish and Maintain Project Records				2	2				4	\$ 604		\$ 604	
F	Periodic Site Visits			8	48	48				104	\$ 16,472	\$ 800	\$ 17,272	
G	Review/Processing of Change Orders, Field Instructions, Field Bulletins, Construction Change Proposals and Directives.			4	80	120				204	\$ 29,948		\$ 29,948	
H	As Built Review			2	8	40				50	\$ 6,750		\$ 6,750	
I	Substantial w/ Punch List and Final Completion Inspector				12	12				24	\$ 3,624	\$ 500	\$ 4,124	
J	Prepare Record Drawings		4	2	8	40				54	\$ 7,474		\$ 7,474	
K	Task management and Coordination			16		16			40	72	\$ 9,472		\$ 9,472	
L	Project Closeout			8	8	8				24	\$ 4,392		\$ 4,392	
			0	6	50	282	411	0	0	40			1,900	\$119,580
Total Fee - AECOM Technical Services, Inc.			\$0	\$1,086	\$12,350	\$51,324	\$49,320	\$0	\$0	\$3,600	789	\$117,680	\$1,900	\$119,580
Subconsultant Fees Task 1.0														
Quantum Electrical Engineering, Inc. (LS)			\$ 15,190.21											
Quantum Electrical Engineering, Inc. (Exp.)														
Colome & Associates (LS)			\$ 63,808.84											
Colome & Associates (Exp.)			\$ 209.81											
Johnson, Levinson, Ragan, Davila, Inc. (LS)			\$ 12,420											
Johnson, Levinson, Ragan, Davila, Inc. (EXP)														
Total Fee - Subconsultants														
			\$ 91,628.86											
GRAND TOTAL FEE - BASIC ENGINEERING SERVICES														
			\$ 211,208.86											
Prepared by: AECOM Technical Services, Inc.														



April 25, 2022

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

Subject: Electrical Construction Administration Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – PBI Terminal Roof Replacement Construction Services

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical construction administration services fee proposal for the PBI Terminal Roof Replacement Project for the electrical, lighting and lightning protection systems.

**The following items are included in our scope:**

- Based on construction period of 60 day procurement, 360 days of construction and 60 final completion.
- Includes attendance at preconstruction meeting with DOA, AECOM and Contractor.
- Includes preparation of Conformed Documents for Construction.
- Includes electrical shop drawings submittals reviews & approvals.
- Includes periodic site observation visits.
- Attend and support/facilitate meetings between the DOA, CMAR, and Stakeholders, such as progress meetings (a maximum of 4 meetings during procurement, 26 bi-weekly construction progress meetings, plus 4 miscellaneous meetings)
- Includes requests for information reviews & approvals.
- Includes change order reviews and comments.
- Includes substantial and final completion inspections.
- Includes record drawings based on Contractor "Red Line Plan Mark-ups."

**Our proposed total Lump-Sum fee is:**  
(See attachment breakdown)

**\$ 15,190.21**

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

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

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - PBI TERMINAL ROOF REPLACEMENT CONSTRUCTION SERVICES									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL CA to AE 04-25-22									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
<b>Construction Administration Services</b>									
Pre-Construction Conference		2					2		\$288.46
Prepare Conformed Documents			1	1			2		\$207.69
Review and Approve Shop Drawings		10				2	12		\$1,534.60
On-site Observations/Field Visits (8)					24	4	28		\$3,369.16
Construction Coordination Meetings (34)		34					34		\$4,903.82
Respond to Requests for Information (RFI)		4	4	4		2	14		\$1,499.98
Change Orders		2					2		\$288.46
Substantial Completion		4					4		\$576.92
Final Completion		2			4		6		\$819.22
Review As-builts			1		2		3		\$403.84
Prepare Record Documents		1	4	8		1	14		\$1,298.06
<b>Subtotal</b>	<b>0</b>	<b>59</b>	<b>10</b>	<b>13</b>	<b>30</b>	<b>9</b>	<b>121</b>		<b>\$15,190.21</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>59</b>	<b>10</b>	<b>13</b>	<b>30</b>	<b>9</b>	<b>121</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$8,509.57</b>	<b>\$1,384.60</b>	<b>\$899.99</b>	<b>\$3,980.70</b>	<b>\$415.35</b>			<b>\$15,190.21</b>

April 19, 2022

Mr. Andy Kacer, P.E.  
AECOM  
2090 Palm Beach Lakes Blvd., Suite 600  
West Palm Beach, Florida 33409

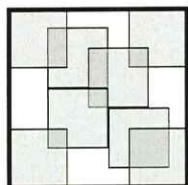
Re: **PBI Roof Replacement CA Phase**  
**Task I-22-PBI-A-074**  
Palm Beach International Airport - West Palm Beach, Florida

Dear Mr. Kacer:

Enclosed is Colomé & Associates, Inc.'s proposal for architectural construction administration services for the proposed PBI Roof Replacement CA Phase at the Palm Beach International Airport in West Palm Beach, Florida.

The scope of work shall include the following:

- Construction Administration
  - Provide Conforming Architectural drawings for construction.
  - Attend preconstruction meeting.
  - Attend (26) bi-weekly construction project meetings and observe the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the Contract Documents. The Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality of work, nor shall the Architect be responsible for the means, methods, techniques or procedures of construction selected by Contractor(s).
  - Prepare architectural Field Observation reports and review of Contractor's change order proposals during the construction phase.
  - Review and approve the Contractor's architectural shop drawings, or take other appropriate action, but only for the limited purpose of checking for conformance with information given and the design concepts expressed in the contract documents.
  - Prepare phased architectural substantial and final punch list.
  - Prepare Final architectural "As-Built" CAD and PDF files for owner based on general contractor's record drawings.
  - Expenses – (Included in the Construction Administration Phase Fees)



**Colomé & Associates, Inc.**

Florida Registration AA0003439

Architecture □ Planning □ Interiors

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



- Architectural Construction Administration Phase and Expenses: Fees for performing services as outlined above shall be as shown below:

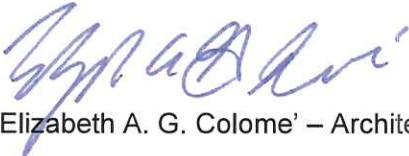
**Fee Breakdown:**

Architectural – Construction Administration Phase	\$63,808.84
Expenses	\$ 209.81
<b>Total Fee</b>	<b>\$64,018.65</b>

- Additional Services
  - Additional Services as requested by the Owner shall be based on the Architectural Hourly Basis as set forth in the executed AECOM Contract Agreement for Architectural Services or stipulated lump sum.
  - Items excluded from this professional services fee proposal:  
The following items are not included as part of this professional services fee proposal: This proposal does not include: Fees related to project applications, registrations, on site roof inspections, engineering professional services, roof material testing, review of contractors scaffolding and safety submittals, and re-design as a result of value engineering.


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

Sincerely,



Elizabeth A. G. Colome' – Architect



Labor/Fee Estimate Summary (Colome & Associates, Inc.) - PBIA MAIN TERMINAL ROOF REPLACEMENT - (CA PHASE) Task I-22-PBI-A-074												
Billing Rate:		\$	169.04	\$	138.65	\$	85.96	\$	43.68			
<div><div></div><div><div>Colome' &amp; Associates, Inc.</div><div>ARCHITECTURE • PLANNING • INTERIORS</div><div>Florida Registration - AK 0003439</div><div>530 24th Street West Palm Beach Florida 33407</div><div>Phone: (561) 833-9147 Fax: (561) 833-9356</div></div></div>												
Labor Estimate (Hours)												
	Principal		Sn. Project Manager		Architect Drafting		Clerical		Labor Total	Expenses	Total	
Architectural Construction Administration Phase												
Task Description	Total	13	260		274		46		\$63,808.84	\$209.81	\$64,018.65	
Architect Administration												
	Pre-Construction Meeting	\$0.00	4	\$554.60	4	\$343.84		\$0.00	\$ 898		\$ 898	
	Field Visits During Construction	\$0.00	28	\$3,882.20	18	\$1,547.28		\$0.00	\$ 5,429		\$ 5,429	
	Team Coordination	\$0.00	12	\$1,663.80	8	\$687.68	2	\$87.36	\$ 2,439		\$ 2,439	
											\$8,766.76	
Construction Administration Services												
	Prepare Architectural Conforming Drawings	3	\$507.12	8	\$1,109.20	62	\$5,329.52	4	\$174.72	\$ 7,121	\$ 25.00	\$ 7,146
	RFI Review / Response	4	\$676.16	18	\$2,495.70	24	\$2,063.04	6	\$262.08	\$ 5,497		\$ 5,497
	Bi-Weekly Construction Project Meetings / Site Visits		\$0.00	52	\$7,209.80	52	\$4,469.92	4	\$174.72	\$ 11,854	\$ 124.81	\$ 11,979
	Submittal / Shop Drawing Review	2	\$338.08	38	\$5,268.70	24	\$2,063.04	12	\$524.16	\$ 8,194		\$ 8,194
	Field Observation Reports	1	\$169.04	42	\$5,823.30	16	\$1,375.36	6	\$262.08	\$ 7,630		\$ 7,630
	Field Bulletins / Change Order Reviews	1	\$169.04	34	\$4,714.10	16	\$1,375.36	6	\$262.08	\$ 6,521		\$ 6,521
	Substantial Comp. Punch List - (Phased)	0.5	\$84.52	8	\$1,109.20	8	\$687.68	2	\$87.36	\$ 1,969	\$ 25	\$ 1,994
	Final Completion Punch List - (Phased)	0.5	\$84.52	8	\$1,109.20	8	\$687.68	2	\$87.36	\$ 1,969	\$ 35	\$ 2,004
	Close Out Documents		\$0.00	6	\$831.90	18	\$1,547.28	2	\$87.36	\$ 2,467		\$ 2,467
	As-Builts	1	\$169.04	2	\$277.30	16	\$1,375.36		\$0.00	\$ 1,822		\$ 1,822
											\$55,251.89	
Grand Total		13.00	\$2,197.52	260.00	\$36,049.00	274.00	\$23,553.04	46.00	\$2,009.28	\$63,808.84	\$209.81	\$64,018.65

Source: Colomé & Associates, Inc.



Colome' & Associates, Inc.  
ARCHITECTURE • PLANNING • INTERIORS  
Florida Registration - AA 0003439  
538 24th Street West Palm Beach Florida 33407  
Phone: (561) 833-9147 Fax: (561) 833-9356

### **AUTHORIZATION FOR ENGINEERING SERVICES**

**CLIENT:** Mr. Andrew Kacer, P. E., Vice President – Airports  
AECOM Technical Services, Inc.

**PROJECT:** Task I-20-PBI-A-034 - Terminal Roof Improvements  
**RE:** Construction Administration Services

**DATE:** April 20, 2022

**JLRD PROJECT NO.:** 120074

In accordance with the contract for the above referenced project, JLRD, Inc. is hereby authorized to perform the Engineering Services requested by AECOM, Inc. (the Client) as outlined below:

#### **SCOPE:**

1. Provide additional engineering services for this Project to include construction administration services, as follows:
  - Provide Shop Drawing review, Field Observations (monthly), Bi-weekly and Miscellaneous OAC meetings (34 meetings total), respond to construction RFI's, ASI's and produce AS-BUILT drawings from contractors redlines at the end of the project.

#### **PROJECT SCHEDULE**

- The estimated CA duration for the project is a 480 day period to include procurement, construction, and a closeout period.
- The Construction Administration scope will last for the duration of the project.

Mr. Andrew Kacer, P. E., Greater Florida Manager – Airports  
RE: Task I-20-PBI-A-034 - Terminal Roof Improvements  
Date: April 20, 2022

EXCLUSIONS

- Witnessing of any testing procedures.

**FEES:**

1. The above-mentioned scope shall be provided based upon a lump-sum fee amount as follows:
  - *Twelve Thousand Four Hundred Twenty Dollars (\$12,420.00)*

**TIME OF PERFORMANCE:**

1. Design services will be completed with due and reasonable diligence after receipt of this executed authorization.

Accepted By:

Date:

\_\_\_\_\_

\_\_\_\_\_

DESIGN LABOR BREAKDOWN																			
TASK	HOURS																		
	Principal		PE		Eng		Sr. Dsgn		Dsgn		Off Hours		CAD	SEC	Tot	Cost			
	200	200	130	130	85	85	120	120	75	75	128	128	55	65					
	M	E	M	E	M	E	M	E	M	E	M	E	-	-					
BASE DESIGN SCOPE																			
Task 1																			
																-	-		
RFIs / Submittals / Subs Review				2				8								2	12	\$ 1,350.00	
Procurement								10								4	14	\$ 1,460.00	
Construction Progress Site Visits and Meetings								55								12	67	\$ 7,380.00	
Substantial Completion Observation - Close out								3								2	5	\$ 490.00	
As-Built Documents								2						4			6	\$ 460.00	
Warranty Inspection								2									2	\$ 240.00	
																	-	-	
General Project Management				6												4	10	\$ 1,040.00	
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## EXHIBIT A-12

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-12**

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

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

**Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Management/Administration, Planning and Cost Estimating Services
Quantum Electrical Engineering, Inc. (QEE)	Electrical Planning and Cost Estimating Services

**Task I – Planning and Cost Estimating Services**

AECOM will perform planning services that serve to develop a Report, Schematic Drawings, and Program Cost Estimates for Phases 3 and 4 of the Airport Redevelopment Program at LNA. The complete Airport Redevelopment Program at LNA, consisting of Phases 1 thru 4, was described in the:

- CH2M prepared Palm Beach County Park (Lantana) Airport Southside Redevelopment Report (Report), dated August 29, 2014, and the
- Urban Design Studios prepared Final Site Plans (FSP-1 and FSP-2), dated November 18, 2014.

AECOM served as the Construction Manager (CM) for Phases 1 and 2. Phases 1 and 2 have already been constructed and the elements constructed included: new hangars, access roads, aprons, drainage, electrical and utility modifications and improvements, vehicle parking, security fence and access control gate improvements. In this Project, AECOM will review the CH2M Report and the Final Site Plans as we develop the Report, Schematic Drawings, and Program Cost Estimates for Phases 3 and 4. After our review, AECOM will facilitate a Kick-Off Meeting with the DOA, and LNA Stakeholders, to discuss our findings and our proposed options to further develop the ideas previously summarized in the CH2M Report and the FSPs. AECOM

will develop meeting minutes summarizing our findings, and proceed with developing a Draft Report, Schematic Drawings, and Program Cost Estimates. Once the Draft is submitted, AECOM will facilitate a Draft Report Review Meeting, then develop and submit the Final Report after incorporating comments from the DOA and LNA Stakeholders.

**PROJECT SCHEDULE**

The Draft Report, Schematic Drawings, and Program Cost Estimates will be submitted 60 days after the NTP, and the Final Report, Schematic Drawings, and Program Cost Estimates will be submitted 30 days after the Draft Report comments from the DOA are received.

**PROJECT DELIVERABLES**

Draft (then Final) Report, Schematic Drawings, and Program Cost Estimates

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning

Prepared by: AECOM Technical Services, Inc.



April 19, 2022

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

Subject: Electrical Services Design Fee Proposal for the Palm Beach County Department of Airports (DOA) – Task I-22-LNA-A-075: LNA Phase 3 and 4 Planning.

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical services design fee proposal for the Palm Beach County Department of Airports (DOA) – LNA Phase 3 and 4 Planning. The proposal is based upon information provided by AECOM on 4/19/2022. The following items are included in our scope:

- Includes coordination meetings with DOA Departments and AECOM Design Team.
- Includes record drawings reviews.
- Review the CH2M 2014 Southside Redevelopment Report for electrical scope related to the Program Phases 3 and 4 task.
- Develop schematic level layouts that depict the relocation of the existing FP&L, AT&T and Comcast overhead and underground facilities impacted by the proposed development.
- Develop schematic level lighting layouts for the proposed parking lots and roadways.
- Develop a schematic level fiber optic cabling and communication ductbank layouts from the existing DOA Security Building throughout the Phases 3 and 4 area for communication services to the proposed/existing AOA gates and CCTV systems.
- Develop an electrical opinion of probable cost utilizing current 2022 year market pricing.
- Includes a writeup of our findings within the electrical section of the overall AECOM Schematic Level Planning Report. Includes writeup, electrical calculations, exhibits and electrical cost estimate.
- AECOM shall provide all base drawings to Quantum in AutoCAD 2020 or higher.
- Quantum shall provide electrical schematic layouts to AECOM of electronic files (1 set) for a draft submittal and final report. AECOM shall provide all printing of schematic layouts and reports to the DOA.
- Does not include bid documents and/or construction services.
- Excludes security, CCTV, card access and fiber optic cable planning. Quantum to provide infrastructure planning only.

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

**\$5,486.49**

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

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

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

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - LNA PHASES 3 AND 4 PLANNING									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL SERVICES to AE 4/19/2022									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
<b>Design Documents</b>									
Design Review Mtgs DOA & AE		3					3		\$432.69
Discovery Phase		4					4		\$576.92
Draft Electrical Report		16		8		2	26		\$2,953.82
Final Electrical Report		8		4		2	14		\$1,523.06
							0		\$0.00
<b>Subtotal</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>4</b>	<b>47</b>		<b>\$5,486.49</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>4</b>	<b>47</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$4,471.13</b>	<b>\$0.00</b>	<b>\$830.76</b>	<b>\$0.00</b>	<b>\$184.60</b>			<b>\$5,486.49</b>

## EXHIBIT A-13

**PALM BEACH DOA GENERAL CONSULTING SERVICES**

**EXHIBIT A-13**

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

**Palm Beach International Airport (PBIA)  
Task I-22-PBI-A-076: PBI Advance Warning Signage**

**OVERVIEW**

The Palm Beach Department of Airports (DOA) has requested that AECOM Technical Services, Inc. (AECOM or CONSULTANT) provide professional services for the Task I-22-PBI-A-076: PBI Advance Warning Signage Project (Project).

**PROJECT TEAM**

<b>Firm Name (CONSULTANT / SUBCONTRACTOR)</b>	<b>Type of Services</b>
AECOM Technical Services, Inc. (CONSULTANT)	Wayfinding Design
Quantum Electrical Engineering (SUBCONSULTANT)	Electrical Engineering

**SCOPE OF WORK**

The “Oversize Vehicle Traffic Circulation Study” prepared by AECOM in November 2021 included an analysis of existing circulation paths and directional sign messages located on the Palm Beach International Airport (PBI) entry road. The study was requested by the Palm Beach County Department of Airports in response to an October 2021 incident involving an oversize truck which caused damage to the pedestrian bridge at the terminal. The study included recommendations for improvements to assist in preventing oversize vehicles from accessing the terminal curbside and was based on aerial images and information provided to us.

This scope of work includes the work required to incorporate the proposed improvements identified in the study. The proposed work will be submitted as a stand-alone deliverable.

The project area includes James L. Turnage Blvd. westbound from I-95 and James L. Turnage Blvd. westbound from Australian Ave. to the Arrivals and Departures level of the PBI Terminal.



**Task 1 - Discovery & Recommendations**

Up to two (2) AECOM staff (Wayfinding) will perform a site survey of existing signs along the entry road to confirm sign existing and proposed sign locations, sign mounting, and messages. The information collected will be used to prepare final recommendations.

AECOM staff (Structural) will perform a site survey of existing condition of each of the 4 Span Sign Structures to be analyzed for extra loading and the existing condition of the Oversize Vehicle Warning System that is to be relocated. The information collected will be used to prepare final recommendations and design plans.

AECOM staff will attend a teleconference meeting to discuss the construction documents with the client. The DOA will provide one written set of consolidated comments within ten (10 days) which will be incorporated.

**Task 2 – 90% Design Intent Documents**

AECOM will prepare 90% design documents to include demolition plans, sign location plans, sign fabrication details, and a sign schedule. A rough order of magnitude estimate for budgeting will accompany the drawings.

AECOM will prepare 90% design documents to include Oversize Vehicle Warning System relocation plans (with electrical service design) and new Headache Structure design plans. A rough order of magnitude estimate for budgeting will accompany the drawings.

AECOM will prepare a Structural Analysis Report for four (4) existing span sign structures for which additional sign loading is to be introduced. The structural analysis report will be used to prepare final recommendations for each structure.

AECOM staff will attend a teleconference meeting to discuss the construction documents with the client. The DOA will provide one written set of consolidated comments within ten (10 days) which will be incorporated.

**100% Construction Documents**

AECOM will finalize and submit 100% design intent documents to include demolition plans, sign location plans, sign fabrication details, a sign schedule, Oversize Vehicle Warning System relocation plans, new headache structure design plans and Structural Analysis Report for the existing span sign structures.

**Task 3 - 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 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.

**ASSUMPTIONS**

- Sign types include panels located on full-span structures, ground mounted signs, and signs mounted to the terminal building.
- No new full-span sign structures are expected to be required or included.
- Sign location plans will be produced in AutoCAD.
- Sign fabrication and mounting details will be provided in Adobe Illustrator.
- Construction drawings/shop drawings will be produced by the sign vendor.
- Sign panel sizes will be estimated based on information available to us and confirmed later by the contractor prior to fabrication.
- All deliverables will be submitted digitally.
- AECOM will be provided with the existing record drawings and sign structure shop drawings to review for our analysis.

#### **EXCLUSIONS**

The following items are offered as contract clarifications and reflect elements that are not currently included in this scope of work:

- Any area outside of the project boundary
- Any other type of signage not defined in this proposal
- Language other than English (translations)
- Units other than imperial
- Renderings
- Engineering services for electrical, if required, will be performed under a separate Task, once the proposed plans under this Project are developed, and these services will be incorporated into this Project's construction documents.
- Construction support services
- Significant Owner driven design revisions after the approval of 90% Design

#### **DELIVERABLES**

Meeting Minutes from Task 1 and 2  
90%, 100%, and Bid Documents (pdf Copies)  
Pre-Bid Meeting Agenda and Meeting Minutes  
Addenda as required during the bid process  
Bid Tabulation  
Bid Recommendation Letter

#### **PROJECT SCHEDULE**

The schedule for this entire Task (including bidding) is 120 Calendar Days.

Labor/Fee Estimate Summary - CONSULTANT (AECOM Technical Services, Inc.) - Task I-22-PBI-A-076: PBI Advance Warning Signage

Billing Rate:		\$ 340	\$ 181	\$ 247	\$ 212	\$ 219	\$ 107	\$ 120	\$ 89	\$ 90
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April 25, 2022

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

Subject: Electrical Services Design Fee Proposal for the Palm Beach County Department of Airports (DOA) – Task I-22-PBI-A-076: PBI Advance Warning Signage.

Dear Andy:

Quantum Electrical Engineering, Inc. (Quantum) is pleased to provide AECOM an electrical services design fee proposal for the Palm Beach County Department of Airports (DOA) – Task I-22-PBI-A-076: PBI Advance Warning Signage. The proposal is based upon information provided by AECOM on 4/25/2022. The following items are included in our scope:

- Includes coordination meetings with DOA Departments and AECOM Design Team.
- Includes record drawings reviews & on-site electrical verifications of existing conditions with the assistance of DOA Electrical Maintenance Department.
- Includes electrical design to support the vendor package system for oversized vehicle warning system, including infrastructure for power and communication between (2) sensors, audible notification and (1) VMS sign.
- Includes design of new electrical circuits from existing electrical service point.
- The electrical design shall be per the DOA's requirements, Florida Building Code and National Electrical Code (NEC).
- AECOM shall provide all base drawings to Quantum in AutoCAD 2020 or higher.
- Quantum shall provide electrical design (plans, specifications and estimate) to AECOM of electronic files (1 set) for 90%, 100%, Bid and permit phases.
- AECOM shall provide all printing of plans specifications for 90%, 100%, and Bid phases to the DOA.
- Includes Addenda revisions and Permitting comments revisions.
- Includes review of electrical bid results and recommendation of award.
- Does not include construction services.

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

**\$5,544.17**

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE  
President

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

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

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



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS- PBI OVERSIZED VEHICLE ADVANCED WARNING SYSTEM									
QUANTUM ELECTRICAL ENGINEERING, INC.									
SCOPE FEE SUMMARY									
FEE PROPOSAL ELECTRICAL SERVICES to AE 4/25/2022									
	Rate	\$161.54	\$144.23	\$138.46	\$69.23	\$132.69	\$46.15		
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST
<b>Design Documents</b>									
<b>90% Design Documents</b>									
Design Review Mtgs DOA, AE		1					1		\$144.23
Site Investigation, Record Drawing Review and Discovery		2					2		\$288.46
Electrical Design Drawings		4	8	8			20		\$2,238.44
Specifications & Cost Estimate		1	2			2	5		\$513.45
QA/QC & Comment Incorporation			2	2			4		\$415.38
<b>Subtotal</b>	<b>0</b>	<b>8</b>	<b>12</b>	<b>10</b>	<b>0</b>	<b>2</b>	<b>32</b>		<b>\$3,599.96</b>
<b>100% Design/Bid Documents</b>									
Design Review Mtgs DOA, AE		1					1		\$144.23
Electrical Design Drawings		2	2	2			6		\$703.84
Specifications & Cost Estimate		2				2	4		\$380.76
Permit Responses		1		1			2		\$213.46
<b>Subtotal</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>13</b>		<b>\$1,442.29</b>
<b>Bid &amp; Award</b>									
Pre-Bid Meeting		1					1		\$144.23
Review of Bid Results & Recommendation		1					1		\$144.23
RFI Responses		1		1			2		\$213.46
<b>Subtotal</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>		<b>\$501.92</b>
<b>Grand Total Hours</b>	<b>0</b>	<b>17</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>4</b>	<b>49</b>		
<b>Grand Total Labor Cost</b>	<b>\$0.00</b>	<b>\$2,451.91</b>	<b>\$1,938.44</b>	<b>\$969.22</b>	<b>\$0.00</b>	<b>\$184.60</b>			<b>\$5,544.17</b>

## 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

Project	Lump Sum	T&M	Reimbursable Expenses	Total
<b>TASK I SERVICES</b>				
Task I-22-PBI-A-064: Additional Airport Planning Services	\$16,516	\$110,480		\$126,996
Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)	\$49,396		\$3,006	\$52,402
Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022	\$51,455			\$51,455
Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase	\$97,251.96		\$1,900	\$99,151.96
Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services	\$55,823.26			\$55,823.26
Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value	\$56,628			\$56,628
Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties	\$34,028			\$34,028
Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)	\$35,300			\$35,300
Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)	\$71,656			\$71,656
Task I-22-PBI-A-073: Drainage Culvert Project	\$428,654	\$33,761.23	\$4,000	\$466,415.23
Task I-22-PBI-A-074: PBI Roof Replacement CA Phase	\$209,099.05		\$2,109.81	\$211,208.86
Task I-22-LNA-075: LNA Phases 3 and 4 Planning	\$84,368.49			\$84,368.49
Task I-22-PBI-A-076: PBI Advance Warning Signage	\$130,021.17		\$2,000	\$132,021.17
<b>TASK III SERVICES</b>				
Task III: Deliverable(s) As required in accordance with specific Task Authorizations				\$250,000
<b>TOTAL</b>				<b>\$1,727,453.97</b>



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:

Project	Duration	Total
<b>TASK I SERVICES</b>		
Task I-22-PBI-A-064: Additional Airport Planning Services	6 Months	\$126,996
Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)	4 Months	\$52,402
Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022	Varies	\$51,455
Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase	1 Year	\$99,151.96
Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services	170 Calendar Days	\$55,823.26
Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value	10 Weeks	\$56,628
Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties	8 Weeks	\$34,028
Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)	30 Calendar Days	\$35,300
Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)	60 Calendar Days	\$71,656
Task I-22-PBI-A-073: Drainage Culvert Project	240 Calendar Days	\$466,415.23
Task I-22-PBI-A-074: PBI Roof Replacement CA Phase	480 Calendar Days	\$211,208.86
Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning	90 Calendar Days	\$84,368.49
Task I-22-PBI-A-076: PBI Advance Warning Signage	120 Calendar Days	\$132,021.17
<b>TASK III SERVICES</b>		
Task III: Deliverable(s) As required in accordance with specific Task Authorizations	TBD	\$ 250,000.00
<b>TOTAL</b>		<b>\$1,727,453.97</b>





EXHIBIT C

PROPOSED SCHEDULES

Project	Duration
<b>TASK I SERVICES</b>	
Task I-22-PBI-A-064: Additional Airport Planning Services	6 Months
Task I-22-PBI-A-065: PBI Concession Planning (Phase 2)	4 Months
Task I-22-DOA-A-066: Miscellaneous Planning & Engineering Services 2022	Varies
Task I-22-PBI-A-067: PBI Terminal Building 4th Level Wall Repairs Construction Administration Phase	1 Year
Task I-22-PBI-A-068: PBIA People Tube Construction Administration Services	170 Calendar Days
Task I-22-PBI-A-069: PBI Fair Market Annual Rental Value	10 Weeks
Task I-22-DOA-A-070: Fair Market Annual Rental Value Various Properties	8 Weeks
Task I-22-PBI-A-071: PBI Bridge Repairs (Additional Services)	30 Calendar Days
Task I-22-PBI-A-072: PBI Garage Repairs (Additional Services)	60 Calendar Days
Task I-22-PBI-A-073: Drainage Culvert Project	240 Calendar Days
Task I-22-PBI-A-074: PBI Roof Replacement CA Phase	480 Calendar Days
Task I-22-LNA-A-075: LNA Phases 3 and 4 Planning	90 Calendar Days
Task I-22-PBI-A-076: PBI Advance Warning Signage	120 Calendar Days
<b>TASK III SERVICES</b>	
Task III: Deliverable(s) As required in accordance with specific Task Authorizations	TBD

## EXHIBIT D

### DBE

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

LOI/SOQ Project Description: Airport General Consulting  
Name of Respondent: AECOM Technical Services, Inc. Change Order/Task/Amendment No. (if applicable): Amendment 8  
Contact Person: Andrew Kacer E-mail Address: Andy.Kacer@aecom.com  
Address: 7650 West Courtney Campbell Causeway, Tampa, FL 33607  
Phone No: (O) 813.636.2425 (C) 352.634.4363 Fax No: 813.287.8591

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification (Check applicable box)	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	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	<u>2.80</u> %	_____ %
Tierra South Florida 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411 (561) 687-8536	Geotechnical Services	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	Asian Pacific <u>1.11</u> %
Brown & Phillips. 1800 Old Okeechobee Road Suite 509, West Palm Beach, FL (561) 615-3988	Surveying Services	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	<u>0.84</u> %	_____ %	_____ %	_____ %
AirProjects, Inc. 908 King Street Alexandria, VA (703) 683-5507	Concession Planning	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	<u>2.79</u> %	_____ %
Colome & Associates, Inc. 5320 24 <sup>th</sup> St. West Palm Beach, FL 33407 (561) 833-9147	Architectural	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	<u>6.53</u> %	_____ %

**Total Percentage of DBE Participation: 14.07 %**

**Notes:**

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

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

By: Andrew Kacer Date: 04/26/2022

Signature

Andrew Kacer - Vice President

Print Name/Title of Person Executing on Behalf of the Respondent

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



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

**LOI/SOQ Project Description: Airport General Consulting**

Change Order/Task /Amendment No. (if applicable): Amendment 8

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: Tierra South Florida, 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) (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):

## Geotechnical Services

(Additional Sheets may be used as necessary.)

**Total Percentage of Participation by DBE Firm for this Project: 1.11 %**

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.**

Tierra South Florida, Inc.  
Printed Name of DBE Subcontractor

By:

Signature

Date: 4-13-2022

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

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

LOI/SOQ Project Description: Airport General Consulting

Change Order/Task /Amendment No. (if applicable): Amendment 8

Name of Prime Respondent: AECOM Technical Services, Inc

Name of DBE Firm: AirProjects, 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):

Concession Planning

(Additional Sheets may be used as necessary.)

**Total Percentage of Participation by DBE Firm for this Project:** 2.79 %

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 checked="" 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.**

AirProjects, Inc.  
Printed Name of DBE Subcontractor

By:   
Signature

Date: 4-13-2022

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