

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: April 4, 2023

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

Submitted By: Department of Airports

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Amendment No. 7 to the General Consulting Agreement with RS&H, Inc. for Consulting/Professional Services in the amount of \$1,109,482.80 for the performance of professional Construction Administration (CA) and Resident Project Representative (RPR) services for the Concourse B Expansion – Package 1 project at Palm Beach International Airport (PBI).

Summary: The Consulting Agreement with RS&H, Inc. for general airport planning and design was approved by the Board on May 7, 2019 (R-2019-0612) in the amount of \$2,004,570.58 in order to carry out the approved Capital Improvement Programs for the County's Airports. Amendment No. 1 was approved by the Board on May 5, 2020 (R-2020-0414) increasing the amount of the contract by \$2,304,608.30. Amendment No. 2 was approved by the Board on October 20, 2020 (R-2020-1607) increasing the amount of the contract by \$3,196,990.03. Amendment No. 3 was approved by the Board on May 4, 2021 (R-2021-0576) exercising the first one (1) year renewal option for the continuation of services provided under this agreement. Amendment No. 4 was approved by the Board on June 15, 2021 (R-2021-0844) increasing the amount of the contract by \$2,644,110.87. Amendment No. 5 was approved by the Board on March 22, 2022 (R-2022-0263) increasing the amount of the contract by \$1,325,943.87 and exercising the second and final one year renewal option. Amendment No. 6 was approved by the Board on January 24, 2023 (R-2023-0103) increasing the amount of the contract by \$1,175,706.57. Amendment No. 7 will provide an additional \$1,109,482.80 to complete Task I Services – Concourse B Expansion Package 1 – CA and Partial RPR Services. RS&H, Inc. is a Jacksonville, Florida based firm; however, the majority of the work to be completed in this agreement will be managed through their Fort Lauderdale, Florida offices in conjunction with several Palm Beach County-based and South Florida-based sub-consultants and firms. A Disadvantaged Business Enterprise (DBE) goal of 18% was set for this contract. RS&H, Inc. committed to 23% DBE participation for this agreement. The anticipated DBE participation based upon the approved tasks is 35.07%. The current paid to date DBE participation is 34.14%. The DBE participation for this Amendment is 10.23%. 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: 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 provides professional CA and RPR services required to complete the Concourse B Expansion – Package 1 project at PBI.

Attachments: 1. Amendment No. 7 with RS&H, Inc. – 2 Originals 2. DBE Goal Information				
Recommended By: _	Cul Lang Bulor Department Director	<u>3-1-23</u> Date		
Approved By:	County Administrator	3/15/23 Date		

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	20 <u>23</u>	20 <u>24</u>	20 <u>25</u>	20 <u>26</u>	20 <u>27</u>
Capital Expenditures Operating Costs External Revenues (Grants) Program Income (County)	<u>\$1,109,482.80</u> 				
In-Kind Match (County) NET FISCAL IMPACT	\$1,109,482.80				
# ADDITIONAL FTE POSITIONS (Cumulative)					
Is Item Included in Current Bu Does this item include the use	•		<u>X</u>	No NoX	
Budget Account No: Fund <u>4</u> Rep	111 Departme orting Categoi)bject <u>6504</u>	

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

Approval of this item will result in an increase of \$1,109,482.80 in services related to RS&H; which is in the current budget.

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III. REVIEW COMMENTS

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

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OFMB 9

B. Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

REVISED 11/17

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

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R 2/28/23

RS&H

10748 Deerwood Park Blvd South Jacksonville, FL 32256 O 904-256-2500F 800-485-6891*rsandh.com*

CORPORATE RESOLUTION AUTHORIZING SIGNATORY FOR PALM BEACH COUNTY CONTRACTS

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

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

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



RS&H, Inc. FL Cert. Nos. RY5620+AR0011135+ID5138



3125 W Commercial Blvd, Suite 130 Fort Lauderdale, FL 33309 0 954-474-3005F 954-474-3006rsandh.com

February 6, 2023

Palm Beach County Department of Airports ATTN: Mr. Michael Giambrone, Director of Airports Planning 846 Palm Beach International Airport West Palm Beach, Florida 33406-1470

RE: Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services for Palm Beach County Department of Airports AMENDMENT NO. 7 TO CONTRACT

Dear Mr. Giambrone,

RS&H is pleased to submit for your review and approval the Amendment No. 7 for the *Airport Facilities & Systems Planning, Design, Engineering and Construction Management Professional Services* project at Palm Beach International Airport.

Please contact me if any questions regarding this transmittal. My direct phone is (904) 256-2437.

Respectfully submitted,

RS&H, Inc.

Pat Hargrow Pat Hargrow Pat Hargrove, AIA NCARB Vice President, Aviation

Cc: Rodney L. Bishop

RS&H, Inc. FL Cert. Nos. 5620+AAC001886+(B26000956+LCC000210

AMENDMENT NO. 7 TO CONTRACT BETWEEN PALM BEACH COUNTY DEPARTMENT OF AIRPORTS AND RS&H, INC. FOR FOR CONSULTING / PROFESSIONAL SERVICES AT PALM BEACH COUNTY AIRPORTS

This Amendment No. 7 to the Contract is made as of the ______ day of ______, 2023, by and between **Palm Beach County**, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the **COUNTY**, and **RS&H**, **Inc.**, [] an individual, [] partnership, [X] a corporation authorized to do business in the State of Florida, hereinafter referred to as the **CONSULTANT**, whose Federal Tax I.D. number is 59-2986466.

WITNESSETH

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

WHEREAS, on May 5, 2020, the COUNTY entered into an Amendment No. 1 (R-2020-0414) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS, on October 20, 2020, the COUNTY entered into an Amendment No. 2 (R-2020-1607) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS, on May 4, 2021, the COUNTY entered into an Amendment No. 3 (R-2021-0576) with the CONSULTANT to exercise the first one (1) year renewal option for the continuation of services; and

WHEREAS, on June 15, 2021, the COUNTY entered into an Amendment No. 4 (R-2021-0844) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement; and

WHEREAS, on March 22, 2022, the COUNTY entered into an Amendment No. 5 (R-2022-0263) with the CONSULTANT to exercise the second and 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 26 of the original Agreement; and

RS&H, INC. FEBRUARY 2023 AMENDMENT 7 TO R2019-0612 1 CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES WHEREAS, on January 24, 2023, the COUNTY entered into an Amendment No. 6 (R-2023-0103) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 26 of the original Agreement;

WHEREAS, Article 26 of the Contract requires an amendment when the parties are able to define additional services and the parties have now defined those services,

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

- 1. The parties hereby agree to amend the Contract to include the Scope of Services and Fees as outlined in Exhibit A. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed One Million, One-Hundred Nine Thousand, Four Hundred Eighty-Two Dollars and Eighty Cents (\$1,109,482.80) for the services in Amendment No. 7 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.

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RS&H, INC. FEBRUARY 2023

AMENDMENT 7 TO R2019-0612 2 CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES **IN WITNESS WHEREOF**, the parties have caused the Seventh Amendment to the Contract to be signed by the Mayor of the Board of County Commissioners and the Seal of said Board to be fixed hereto and attested by the Clerk of said board, and the CONSULTANT, RS&H, Inc., has caused these presents to be signed in its corporate name by its duly authorized officer (*Name*) <u>Rodney L. Bishop</u>, (*Title*) <u>Executive Vice President - Infrastructure</u>, acting on behalf of said CONSULTANT, and the Seal of said CONSULTANT to be affixed hereto and attested by the Secretary of said CONSULTANT, the day and year first written above.

ATTEST:

PALM BEACH COUNTY, FLORIDA

JOSEPH ABRUZZO CLERK OF THE COUNTY COURT AND COMPTROLLER **BOARD OF COUNTY COMMISSIONERS**

By:

Deputy Clerk

By:_____ Gregg K. Weiss, Mayor

WITNESS:

—DocuSigned by: Shelly McLane

E1F054861E02496 SIGNATURE

Shelly McLane

Name (type or print)

APPROVED AS TO FORM AND LEGAL SUFFICIENCY

BY: m **County Attorney**

APPROVED AS TO TERMS AND CONDITIONS

B Department Director

CONSULTANT:

RS&H, Inc. COMPANY NAME

DocuSigned by:

Rodney Bishop

Signature

Rodney L. Bishop Name (type or print)

Executive Vice President - Infrastructure Title

(Corporate Seal)

RS&H, INC. FEBRUARY 2023 AMENDMENT 7 TO R2019-0612 3 CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES

Palm Beach County Department of Airports

AMENDMENT NO 7 INDEX

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 7

EXHIBIT A-1 – Task I-23-PBI-R-031: Concourse B Expansion Package 1 – Construction Administration & Partial RPR Services

EXHIBIT A-2 – Task III Services

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

Table of Contents Amendment 7 to R2019-0612 February 2023

Palm Beach County Department of Airports

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
DX00000525	RS&H, Inc.	Modified	Compliant					DOA 18-2A	Consulting/Professional Services
		A+g , XV	Zurich American Insurance Company	BAP146956400	6/28/2022	6/28/2023	Auto Liability		
		A+g , XV	American Guarantee and Liability Insurance Company	AUC146955800	6/28/2022	6/28/2023	Excess Liability		
		A , XV	Lloyd's	B0146LDUSA2204895	6/28/2022	6/28/2023	Excess Liability		
		A++g , XV	Travelers Property Casualty Company of America	EX6T35064A22NF	6/28/2022	6/28/2023	Excess Liability		
		A+g , XV	Zurich American Insurance Company of Illinois	GLO146640900	6/28/2022	6/28/2023	General Liability		
		A , XV	Lloyd's	B0146LDUSA2204894	6/28/2022	6/28/2023	Professional Liability	/	
		A+g , XV	Zurich American Insurance Company	WC146641000	6/28/2022	6/28/2023	Workers Comp		

Risk Profile : Standard - Professional Services

Required Additional Insured : Palm Beach County Board of County Commissioners

Ownership Entity :

EXHIBIT A: AMENDMENT NO. 7

This Amendment No 7 is in accordance with the Contract for Consulting/Professional Services (Agreement R-2019-0612) between Palm Beach County (COUNTY) and RS&H, Inc. (CONSULTANT) dated May 7, 2019.

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 7

EXHIBIT A-1 – Task I-23-PBI-R-031: Concourse B Expansion Package 1 – Construction Administration & Partial RPR Services

EXHIBIT A-2 – Task III Services

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

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Palm Beach County Department of Airports

EXHIBIT A-1 – Task I-23-PBI-R-031: Concourse B Expansion Package 1 – Construction Administration & Partial RPR Services

Concourse B Expansion: Package 1 - Construction Administration & Partial RPR Services

Version 1.0 January 26, 2023 Palm Beach County (PBC) Department of Airports (DOA) West Palm Beach, FL

Task Authorization No. I-23-PBI-R-031 RS&H Project No.: 2006-3101-031

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



I PROJECT DESCRIPTION

The Airport has requested that RS&H (Consultant) under the Agreement with RS&H for Airport Facilities and System Consulting Services for Palm Beach County Department of Airports Project No. DOA 18-2A provide a scope and fee for Construction Administration (CA) and Resident Project Representative (RPR) Services for the Concourse B Expansion: Package 1 Construction Project at Palm Beach International Airport (Project).

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

- » Project Management
- » Civil Engineering (Airfield) CA
- » Civil Utility (Water and Sanitary)
 Engineering CA
- » Architecture/Life Safety CA
- » Interior Design/FFE CA
- » Structural Engineering CA
- » Mechanical Engineering CA
- » Plumbing Engineering CA
- » Fire Protection Engineering CA
- » Wayfinding/Signage CA

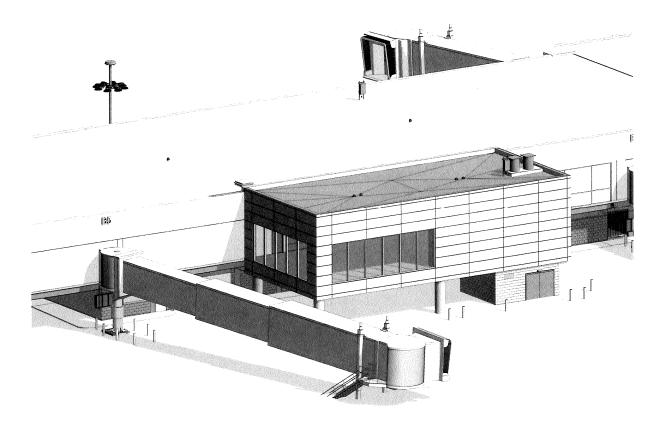
- » Electrical Engineering CA
 - o Lighting
 - o Power
 - o Addressable Fire Alarm
 - Updating Short Circuit,
 Device Coordination and Arc
 Flash Analysis
- » Low Voltage Systems CA
 - o Security (Access Control)
 - o IT Network Systems
 - Paging System
- » Threshold Inspection (T/I)
- Partial Resident Project
 Representative (RPR) Services (Site & Building)

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

The Consultant's Design Team is made up of the following professionals:

Consultant/Subconsultant	Involvement				
RS&H, Inc.	Civil (Airfield), Architecture/Life Safety, Interiors,				
	Structural, Low Voltage, Wayfinding / Signage, RPR:				
	Building, Project Management				
Keith and Associates, Inc.	Civil Utility (Water and Sanitary), RPR: Site				
JLRD	Mechanical, Plumbing, Fire Protection (including smoke evaluation)				
Quantum Electrical Engineering, Inc.	Electrical – Power, Lighting, Lightning Protection, Fire Alarm				
Tierra South Florida	Material Testing (Quality Assurance Testing)/ Threshold Inspection				

FIGURE 1: CONCOURSE B - WEST BUMPOUT



Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

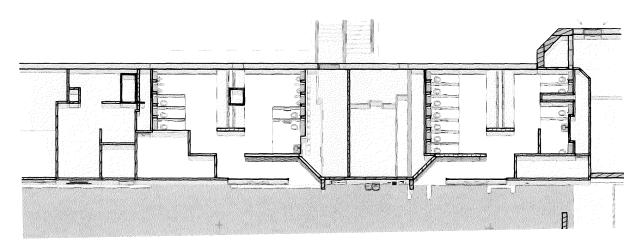


FIGURE 2: NEW RESTROOMS & TEMP KITCHEN

Project includes the following Tasks:

- » Task 1: Construction Administration Services
- » Task 2: Project Closeout
- » Task 3: Partial Resident Project Representative (RPR) Services

This proposal is to provide construction administration services and partial RPR services to support the construction phase of the Concourse B Package 1 project. The project includes the renovation of the existing Concourse B footprint on Level 2 from B4 Holdroom to B6 Holdroom on the east side of the main circulation to include reconfiguration of the mens and womens restrooms, and the addition of a 2-story building adjacent to B7 Holdroom along with the interior renovation of Flask and Cannon to a new concession space.

Funding Expectations – The Project's total construction cost is approximately \$12,300,000 (excluding escalation) per the CMAR GMP.

Project Duration – The Project's schedule is based on the schedule completed by the CMAR (Attachment A). The Project time is approximately (16) sixteen months from Notice to Proceed (NTP) to Substantial Completion (SC) / Certificate of Occupancy (CO). The estimated construction time is approximately (14) fourteen months. The actual construction schedule may vary as the Construction progresses. Changes to the construction schedule may require changes in the Consultant's Design Team efforts and require adjustments to the compensation indicated in this proposal. Proposal includes an additional month after substantial completion for project closeout.

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

II PROJECT TASKS

TASK 1 CONSTRUCTION ADMINISTRATION SERVICES

Task 1.1Pre-Construction Conference

The Consultant's Design Team shall attend one (1) pre-construction conference meeting at the Airport. The CMAR will prepare the Pre-Construction Meeting agenda and meeting minutes, and distribute the minutes to appropriate parties

The following disciplines/individuals will be on-site from the Consultant's Design Team:

- » Project Manager
- » Senior Project Architect
- » Civil Engineer Airfield
- » Civil Engineer Utility
- » Structural Engineer
- » Mechanical / Plumbing / Fire Protection Engineer
- » Electrical / Fire Alarm Engineer
- » RPR Site & Building
- » Threshold Inspector

The following disciplines/individuals will be remote participating via ZOOM or another virtual program from the Consultant's Design Team:

» Low Voltage Engineer

Task 1.2 RFI / Substitutions / Submittal Review

The Consultant's Design Team shall review and respond to Request for Information (RFI's), substitution requests, shop drawings, samples, and other submissions furnished by the CMAR and submitted to the Consultant. The Consultant's Design Team shall review and approve as required. The Consultant's Design Team will utilize Newforma for tracking, reviewing, and responding to RFIs and submittals.

Proposal is based on an estimated maximum of (25) twenty-five site RFI's and (100) onehundred building RFI's.

- » Site RFIs (20) twenty RS&H / (5) five Keith
- » Building RFI's (55) fifty-five RS&H / (25) twenty-five JLRD / (20) twenty Quantum

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

Proposal is based on a maximum of (50) fifty site-submittals and (200) two-hundred building Submittals and (15) fifteen site re-submittals and (50) fifty building re-submittals. Submittal review will be limited to the initial review and a single resubmittal. Any submittal reviews beyond two is excluded.

- » Site Submittals (35) thirty-five RS&H / (15) fifteen Keith
- » Building Submittals (125) one-hundred twenty-five RS&H / (50) fifty JLRD / (25) twentyfive Quantum
- » Site Re-Submittals (10) ten RS&H / (5) five Keith
- » Building Re-Submittals (32) thirty-two RS&H / (12) twelve JLRD / (6) six Quantum

Task 1.3 Witnessing Factory Testing

Quantum shall participate as a witness in the factory testing required by Specifications 26 11 26 for Transformer T-6. Quantum will participate in up to (4) four hours of factory testing via ZOOM or another virtual program.

Task 1.4 Construction Progress Meetings

Members of the Consultant's Design Team shall participate in bi-weekly construction coordination meetings until the Contractor has mobilized, approximately (2) two months. Each meeting is anticipated to be (1) one hour.

- » Pre-Mobilization: (4) four meetings total
 - (4) four Meetings The Consultant's Design Team will participate via ZOOM or another virtual program.
 - The following individuals will be present from the Consultant's Design Team at each construction meeting:
 - Project Manager
 - Senior Project Architect
 - Civil Engineer Airfield
 - Civil Engineer Utility
 - Structural Engineer
 - Mechanical / Plumbing / Fire Protection Engineer
 - Electrical / Fire Alarm Engineer
 - Low Voltage Engineer
 - RPR Site & Building

Once the Contractor has mobilized and is on-site, members of the Consultant's Design Team shall participate in weekly construction coordination meetings, approximately (14) fourteen months. Each meeting is anticipated to be (1) one hour.

» Post-Mobilization: (56) fifty-six meetings total

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

 <u>On-Site</u>: The following disciplines / individuals will be present from the Consultant's Design Team for the number of meeting indicated. The on-site meetings will average (1) one per month and be completed at the same time as Task 1.5.

	 Project Manager 	_	(14) fourteen meetings
	 Senior Project Architect 	_	(7) seven meetings
	 Civil Engineer – Airfield 	_	(8) eight meetings
	 Civil Engineer – Utility 	_	(4) four meetings
	 Structural Engineer 	_	(8) eight meetings
	 Mechanical / Plumbing / 		
	Fire Protection Engineer	_	(8) eight meetings
	 Electrical / Fire Alarm Engineer 	_	(8) eight meetings
	 Low Voltage Engineer 	-	(2) two meetings
	 RPR: Site & Building 	_	(0) zero meetings
	Note: RPR's on-site for zero	as a	ssumed meetings will be on separate
	day than RPR is on-site for	Task	3.
0	Remote: The following disciplines / ind	lividu	als will participate via ZOOM or

 <u>Remote</u>: The following disciplines / individuals will participate via ZOOM or another virtual program from the Consultant's Design Team for the number of meeting indicated.

 Project Manager 	_	(42) forty-two meetings
 Senior Project Architect 	_	(21) twenty-one meetings
 Civil Engineer – Airfield 		(24) twenty-four meetings
 Civil Engineer – Utility 		(12) twelve meetings
 Structural Engineer 	-	(24) twenty-four meetings
 Mechanical / Plumbing / 		
Fire Protection Engineer	-	(24) eight meetings
 Electrical / Fire Alarm Engineer 	_	(24) twenty-four meetings
 Low Voltage Engineer 	-	(6) six meetings
 RPR: Building 	_	(56) fifty-six meetings
 RPR: Site 	_	(32) thirty-two meetings

The CMAR shall conduct the meetings, prepare agendas and provide the meeting minutes.

Task 1.5 Construction Progress Site Visits

Consultant's Design Team will conduct construction progress site visits as follows and a written observation report, documenting the findings of the site visit will be provided for each site visit. The number of trips averages to (1) one per month for the duration of the expected construction that each discipline will be actively involved.

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

>>	Project Manager		(14) fourteen meetings
>>	Senior Project Architect	_	(7) seven meetings
>>	Civil Engineer – Airfield	—	(8) eight meetings
>>	Civil Engineer – Utility		(4) four meetings
>>	Structural Engineer	_	(8) eight meetings
>>	Mechanical / Plumbing /		
	Fire Protection Engineer	_	(8) eight meetings
>>	Electrical / Fire Alarm Engineer	_	(8) eight meetings
>>	Low Voltage Engineer	_	(2) two meetings

Task 1.6 **Project Revisions**

The Consultant will prepare documentation to issue Field Instructions and Field Bulletins (as required by unforeseen existing / field conditions or as required by responses to RFI's / submittal reviews) with the approval of the Airport.

Consultant's Design Team will review Contingency Adjustment Requests and Change Order Requests generated from Field Instructions and Field Bulletins (required by unforeseen existing / field conditions) submitted by the CMAR and provide recommendation of acceptance to DOA or provide requests for revisions and/or clarifications of submitted documentation to DOA / CMAR.

Proposal is based on a maximum of (10) ten Field Instruction and/or Field Bulletin due to unforeseen conditions.

Owner directed changes that require additional design and documentation effort from the Consultant's Design Team will be handled through an amendment to the contract. No changes will be executed, and no work progressed associated with those changes without prior approval from the Airport.

Task 1.7 Request for Change Orders

Consultant's Design Team shall evaluate Contractor request for change orders and recommend to the DOA to either approve or disapprove the contractor's proposal.

The Consultant shall act as interpreter of the terms and conditions of the contract documents and judge of the performance thereunder by the parties thereto and make decisions on claims of the contractor relating to the execution and progress of the work and other matters and questions related thereto.

Proposal is based on a maximum of (10) ten building and (5) five site RCO's.

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

Task 1.8Substantial Completion Observation and Punchlist

The Consultant's Design Team shall perform, together with the Airport's authorized representative(s), a substantial completion observation of the project at each phase of the Project to determine if the project has been completed in accordance with the contract documents so that the Consultant may recommend approval to Airport if applicable, in writing, the issuance of a Certificate of Substantial Completion for each phase (ie Partial Certificate of Substantial Completion). The Consultant's Design Team shall prepare a punchlist of items that must be completed or that are deficient. The CMAR shall submit phase punchlist to the Consultant prior to observation. There are anticipated to be (3) three to the project for the building and (2) two for the site.

The following disciplines/individuals will be present from the Consultant's Design Team at each Phase's Substantial Completion Observation:

- » Senior Project Architect (3)
- » Project Architect Effort captured by Building RPR in Task 3.1
- » Civil Engineer Airfield (2)
- » Civil Engineer Utility (2)
- » Structural Engineer (2)
- » Mechanical / Plumbing / Fire Protection Engineer (3)
- » Electrical / Fire Alarm Engineer (3)
- » Low Voltage Engineer (2)

Task 1.9 Final Observation

The Consultant's Design Team shall perform, together with the Airport's authorized representative(s), a final observation of the project. The Consultant confirm acceptable completion of punchlist of Task 1.8, and if the CMAR has fulfilled all obligations thereunder so that the Consultant may recommend approval to Airport final payment to the CMAR for each phase. There are anticipated to be (3) three phases to the project for the building and (2) two for the site.

The following disciplines/individuals will be present from the Consultant's Design Team at each Final Observation:

- » Project Manager (3)
- » Project Architect Effort captured by Building RPR in Task 3.1
- » Civil Engineer Airfield (2)
- » Civil Engineer Utility (2)
- » Mechanical / Plumbing / Fire Protection Engineer (3)

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

» Electrical / Fire Alarm Engineer – (3)

Task 1.10 Material Testing - Site

The Consultant's Design Team shall perform Quality Assurance (QA) material testing services in accordance with the Project Manual and be completed by Tierra South Florida. Reports will be provided to Owner and Contractor.

Task 1.11 Threshold Inspection

TSF shall perform Threshold Inspection services in accordance with the Threshold Inspection Plan included on the Construction Documents. All elements will be inspected for compliance with the reference drawings and threshold inspection plan.

The following individuals will participate via ZOOM at (1) one threshold kickoff meeting:

- » Project Manager
- » Structural Engineer
- » Threshold Inspector
- » Contractor

Inspections by the Threshold Inspector will be performed on an as needed basis and coordinated with the progress of construction. A conformance / non-conformance log will be performed and updated on a monthly basis. An inspection report will be provided for each site inspection. Additionally, a monthly report will be submitted to the authority having jurisdiction and Owner. Report will be a summary of the daily reports and the material testing reporting.

Threshold Inspection will be completed by TSF and includes (12) coordination meetings with the Consultant's Design Team Structural Engineer (remote via Zoom) that averages (1) one hour each.

The Structural Engineer will review threshold inspection reports.

Task 1.12 Short Circuit, Device Coordination & Arc Flash Analysis

Consultant's Electrical Engineer will update the existing Short Circuit, Device Coordination & Arc Flash Study pertaining to the electrical equipment added, removed and/or modified as part of the Project. The scope shall include

- » Up-dating the existing power system model in SKM Power Tools for Windows for the modifications to the electrical distribution systems.
- » Perform Short Circuit, Device Coordination and Arc Flash Calculations using SKM.

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- Review and evaluate device settings on approximately 100 circuit breakers/relays.
 Replace existing and/or create new Time Current Curves (TCC) for approximately 50 devices.
- » Update one-lines, written report and tabular data.
- Develop new Arc Flash labels and replace the arc flash labels (approximately 580 labels) impacted by the Switchgear Replacement.
- » Modify circuit breaker and relay settings for new and existing equipment as required by the study.

Task 1.13 Pay Application Reviews

The Consultant shall review CMAR applications for payment and supporting data, review the amount owed and recommend approve in writing all payments to CMAR in accordance with the contract documents for up to (16) sixteen payment applications.

The following disciplines/individuals will be review each Pay Application and base recommendation on most recent site visit:

- » Project Manager
- » RPR Site
- » RPR Building (UON) & Building (Electrical)

Task 1.14 Project Management

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

The Consultant will issue monthly progress reports with each invoice to the Airport project manager during this portion of the project.

Task 1.15 Shutdown Coordination Efforts

The Consultant shall participate via ZOOM or another virtual program for (32) thirty-two shutdown coordination meetings with each meeting assumed to last (1) one hour. The CMAR will prepare the agenda and meeting minutes, and distribute the minutes to appropriate parties.

The following disciplines/individuals will participate remotely from the Consultant's Design Team:

- » Project Manager
- » Electrical Engineer

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TASK 2 PROJECT CLOSEOUT

Project closeout includes the preparation of the record documents, final BIM models, and final invoicing.

Task 2.1 Record Documents

The Consultant shall obtain red-line as-built drawings from Construction Contractor and prepare "Record Drawings", which shall become the property of the Airport corrected to show significant changes made in the work during the construction of the project. Such corrections shall be the "as-built" prints, drawings, field sketches and other data furnished to the Consultant by the Airport and the contractor, and any amendments issued during construction.

- » Electronic updated drawings (.pdf)
- » Electronic updated specifications (.pdf)
- » Electronic updated drawings (CAD)
- » Revit model (L300)

Task 2.2 Warranty Period Inspection

The Consultant shall conduct an on-site observation of the Project prior to the expiration of any electrical and mechanical warranty period and advise the Owner (via report) of recommended action, if any, to be taken under the terms of any warranty. The project will include an (11) eleven-month electrical and mechanical equipment warranty inspection for each phase of the project. There are anticipated to be (2) two phases to the project.

The following disciplines/individuals will be present from the Consultant's Design Team to complete the warranty inspections:

- » Electrical / Fire Alarm Engineer (2)
- » Mechanical / Plumbing / Fire Protection Engineer (2)

Task 2.3 Utilities Final Certification

The Consultant's Design Team will prepare final certification to all appropriate permitting agencies utilizing record drawings for the design from the survey information supplied by the contractor and be completed by Keith.

Task 2.4 Project Management and Discipline Coordination

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

The Consultant will issue monthly progress reports with each invoice to the Airport project manager during this portion of the project.

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TASK 3 PARTIAL RESIDENT PROJECT REPRESENTATIVE (RPR) SERVICES

Task 3.1 Partial RPR Services – Building (UON)

The Consultant shall provide part-time Building RPR services for the project that will consist of on-site presence and observation for (1) one day per week for (14) fourteen months. The RPR will observe the on-site construction to confirm the work is in compliance with the contract documents and is progressing according to the construction schedule. The RPR will provide a weekly observation report identifying the progress of the construction and any deficiencies or discrepancies observed. The RPR will attend the construction progress meetings noted above as well as coordinate with other discipline team members for support during site visits. The Building RPR will be provided by RS&H, Inc. and assumes an effort of (12) twelve hours per week for (14) fourteen months for site inspection, reporting, and meetings. RPR is assumed to be Project Architect.

Task 3.2 Partial RPR Services - Site

The Consultant shall provide part-time Site RPR services for the project that will consist of onsite presence and observation for (3) three days per week for (14) fourteen months. The RPR will observe the on-site construction to confirm the work is in compliance with the contract documents and is progressing according to the construction schedule. The RPR will provide a weekly observation report identifying the progress of the construction and any deficiencies or discrepancies observed. The RPR will attend the construction progress meetings noted above as well as coordinate with other discipline team members for support during site visits. The Site RPR will be provided by Keith and assumes an effort of (28) twenty-eight hours per week for (14) fourteen months for site inspection, reporting, and meetings.

Task 3.3 Partial RPR Services – Building (Electrical)

The Consultant shall provide part-time Building (Electrical) RPR services for the project that will consist of on-site presence and observation for (5) five days per week assuming (2) two hours per visit for (14) fourteen months. The Electrical RPR will observe the on-site construction to confirm the work is in compliance with the contract documents and is progressing according to the construction schedule. The Electrical RPR will provide a weekly observation report identifying the progress of the construction and any deficiencies or discrepancies observed. The Electrical RPR will be provided by Quantum and assumes an effort of (10) ten hours per week for (14) fourteen months for site inspection and reporting.

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

III MEETINGS AND PRESENTATIONS

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

Task	Presentation / Meeting / Site Visit	Total Meetings	Attendance In-Person	Remote Attendance
1.1	Pre-Construction Conference	1	Х	Х
1.3	Witness Factory Testing	1	-	Х
1.4	Construction Progress Meetings: Pre-Mobilization	4	-	Х
1.4	Construction Progress Meetings: Post Mobilization	56	Х	Х
1.5	Construction Progress Site Visits	14	Х	-
1.8	Substantial Completion Observation and Punchlist	5	Х	-
1.9	Final Observation	5	Х	-
1.11	Threshold Inspection	TBD	Х	-
2.2	Warranty Period Inspection	5	Х	-
3.1	Partial RPR Services		See abov	e

IV DELIVERABLES

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

Task #	Title	Information Included	Format
1.5	Construction Progress Site Visits	Observation Reports	TBD
1.6	Project Revisions	Recommendations / Comments on CAR's / COR's	TBD
1.7	Request for Change Orders	Recommendations / Comments on RCO's	TBD
1.8	Substantial Completion Observation and Punchlist	Punchlist	TBD
1.9	Final Observation	Recommendation of Phase	TBD
1.10	Material Testing - Site	Reports	TBD
1.11	Threshold Inspection	Logs, Inspection Reports, Monthly Report	TBD
1.12	Short Circuit, Device Coordination & Arch Flash Analysis	Report / Data	TBD
1.13	Pay Application Reviews	Recommendation of Application	TBD
1.14	Project Management	Monthly progress reports	TBD
2.1	Record Documents	Drawings and Project Manual	.pdf, CAD, Revit
2.2	Warranty Period Inspection	Report	TBD
2.3	Project Management	Monthly progress reports	TBD
3.1 / 3.2	Partial RPR Services	Weekly Report	TBD

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

V PROPOSED PROJECT SCHEDULE

See Attachment A. Schedule is provided by CMAR.

VI ASSUMPTIONS AND EXCLUSIONS

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

- » CMAR will provide punchlist to Consultant at each phase prior to Substantial Completion site visit
- » The CMAR shall conduct the meetings, prepare agendas and provide the meeting minutes.
- » Contractor will provide field mark-ups in electronic format for the completion of Record Documents.
- Site Observations and RPR on-site presence will occur during the following period: Monday through Friday 8:00am to 5:00pm and while the contractor is on-site.
- » Task 1.13 limited to (1) one pay app review and (1) re-review per pay app.

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

- » Fees associated with permitting
- » Phase 5: Construction Administration Services
 - o Submittal reviews beyond two (2)
 - Commissioning of fixtures and equipment
- » Construction Progress Site Visits other than listed herein
- » RS&H will only perform services/work related in any way to PFAS chemicals or substances possibly containing PFAS chemicals (including but not limited to sampling, handling and remediating) to the extent the Palm Beach County Department of Airports specifically directs, in writing, RS&H to perform such services/work, and RS&H shall not be liable for the nonperformance of such services/work.

Concourse B Expansion: Package 1 – Construction Administration & Partial RPR Services - (Version 1.0)

SCOPE OF WORK

VII	PROFES	SIONAL	SERVICES	FEE AND	FEE TYPE
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Total Project Fee =	\$1,109,482.80
Maximum Fee, Not-to-Exceed (Task 1, 2 & 3) =	\$423,296.00
Lump Sum Fee (Task 1, 2 & 3) =	\$686,186.80
Total Fee as follows:	
shown below. See Attachment B for a breakdown of costs. Tasks 1, 2 & 3 =	\$423,296.00
The Consultant will provide the above referenced services f	or a Maximum Not-to-Exceed Fee as
Tasks 1, 2 & 3 =	\$686,186.80
The Consultant will provide the above referenced services f below. See Attachment B for a breakdown of costs.	or a Fixed Lump Sum Fee as shown
VII PROFESSIONAL SERVICES FEE AND FEE ITP	anne -

Should scope items/activities/efforts/durations be modified at the request of the Airport or need to be adjusted based on construction scheduling, the Consultant's Design Team will need to modify the fee to accommodate the changes. Such changes will be compensated through an amendment (through Additional Services requested by the Consultant) to the Task Order or similar vehicle. Effort, fee, and schedule adjustments resulting from a change in scope will be assessed and approved by the Airport prior to the execution of the change.

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

ATTACHMENT A: CMAR GMP SCHEDULE

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

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and the second	N-Concourse B OCTOBER 2022 (Option 1)	367 367	20-Oct-22 A 20-Oct-22 A	08-Apr-24 08-Apr-24	
······································	. 1 - CONCOURSE B				
MILESTONES		254	14-Feb-23	16-Feb-24	
CONTRACT MIL		254	14-Feb-23	16-Feb-24	
NTP-1	Notice to Proceed (NTP) - Package No. 1	0	14-Feb-23*		♦ Notice to Proceed (NTP) - Package No. 1
SUM-TCO	Project Duration (NTP to TCO)	338	14-Feb-23	17-Jan-24	Project Duration (NTP to TCO)
SUM-CO	Project Duration (NTP to CO)	368	14-Feb-23	16-Feb-24	Project Duration (NTP to CO)
TCO-1	Temporary Certificate of Occupancy (TCO) - Package No. 1	0		17-Jan-24*	♦ Temporary Certificate of Occupancy (TCO) - Package No.
CO-1	Certificate of Occupancy (CO) - Package No. 1	0		16-Feb-24*	◆ Certificate of Occupancy (CO) - Package No. 1
SUFFOLK MILES		174	28-Mar-23	01-Dec-23	
A4230	Close Gate B7	1	28-Mar-23	28-Mar-23	Close Gate B7
A4240	Close Gate B5	1	28-Mar-23	28-Mar-23	I: Close Gate B5
A3790	Gate B7 Re-Open	1	25-Sep-23	25-Sep-23	I Gate B7 Re-Open
A4260	Close Gate B4	1	26-Sep-23	26-Sep-23	I Close Gate B4
A4280	Gate B4 Re-Open	1	18-Oct-23	18-Oct-23	I Gate B4 Re-Open
A3800	Gate B5 Re-Open	1	01-Dec-23	01-Dec-23	Gate B5 Re-Open
SUMMARY SCH		194	28-Mar-23	03-Jan-24	
A4330	Gate B7 Closure Duration	182	28-Mar-23	25-Sep-23	Gate B7 Closure Duration
A5340	Construction Summary for Bump Out & Apron Work	143	29-Mar-23	18-Oct-23	Construction Summary for Bump Out & Apron Work
A5350	Construction Summary for Interior Work	192	31-Mar-23	03-Jan-24	Construction Summary for Interior Work
PRECONSTRU	ICTION	79	20-Oct-22 A	13-Feb-23	
BUDGET, BIDDII	NG & APPROVAL	79	20-Oct-22 A	13-Feb-23	
A1110	DOA Review (7-10 Days to Review Prior to Board Agenda)	8	20-Oct-22 A	01-Dec-22	DOA Review (7-10 Days to Review Prior to Board Agenda)
A1120	Ready for Signature by Airport Director	1	02-Dec-22	02-Dec-22	1 Ready for Signature by Airport Director
A1130	Deliver to Agenda Coordinator	1	09-Dec-22	09-Dec-22	I Deliver to Agenda Coordinator
A1140	Board Meeting	1	07-Feb-23*	07-Feb-23	I Board Meeting
A1150	DOA Issues GMP #1 Amendment to Agreement	1	13-Feb-23	13-Feb-23	I DOA (ssues GMP #1 Amendment to Agreement
PROCUREMEN		100	14-Feb-23	05-Jul-23	
A1160	Issue Subcontracts	30	14-Feb-23	27-Mar-23	Issue Subcontracts
A1170	Material Procurement	60	28-Mar-23	20-Jun-23	Material Procurement
Long Lead Items		70	28-Mar-23	05-Jul-23	
New York Contraction of the Addition of the Ad	rical Panels Room Procurement	70	28-Mar-23	05-Jul-23	
A5110	Electrical Panels Submittals & Fabrication (T-BK1 & T-BK2)	70	28-Mar-23	05-Jul-23	Electrical Panels Submittals & Fabrication (T-BK1 & T-BK2)
A5120	Electrical Panels Submittals & Fabrication (FMRT-BK1 & T-BK2-8)	70	28-Mar-23	05-Jul-23	Electrical Panels Submittals & Fabrication (FMRT-BK1 & T-BK2-8)
CONSTRUCTIO		260	28-Mar-23	08-Apr-24	
	(Impacts Gates B5 and B7)	172	29-Mar-23	30-Nov-23	
and the second	Shell Space CB-287 / Trash Recycling Room CB-288	172	29-Mar-23	30-Nov-23	
A1180	Shutdown of Hop & Cask	1	29-Mar-23	29-Mar-23	t Shutdown of Hop & Cask
A1190	Install Barriers and Fence	10	29-Mar-23	11-Apr-23	💼 Install Barriérs and Fence
A5150	Locate Utilities	5	12-Apr-23	18-Apr-23	🖬 Locate Utilities
A5210	Construction of Weathertight Temp. Wall	10	12-Apr-23	25-Apr-23	Construction of Weathertight Temp. Wall
A1200	Demo Existing PCC	30	19-Apr-23	31-May-23	Demo Existing PCC
A5220	Remove Existing Facade	20	26-Apr-23	23-May-23	Remove Existing Facade
A1220	Foundations	15	21-Jul-23	10-Aug-23	💼 Foundations
A1230	Steel Erection	15	11-Aug-23	31-Aug-23	Steel Erection
A1270	Slab on Deck Install	10	01-Sep-23	15-Sep-23	Slab on Deck Install
PROJECT ID: 221140-1	10-4 Remaining Level of Effort Mil	estone			
DATA DATE: 28-Nov-22	2 Actual Level of Effort				
PRINT DATE: 14-Dec-2			[221140-0	10.04-PC] PE	BI - Concourse B OCTOBER 2022 (Option 1) PRECON SCHEDULE SUFF
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A1240	Spray- Fire-Proofing	1	18-Sep-23	18-Sep-23	I Spray- Fire-Proòfing
A1260	Exterior Metal Framing	10	19-Sep-23	02-Oct-23	Exterior Metal Frarhing
A1330	Substantial Completion	1	25-Sep-23	25-Sep-23	I Substantial Completion
A1340	Inspections & Commissioning	1	26-Sep-23	26-Sep-23	I Inspections & Commissioning
A1350	Final Clean	1	27-Sep-23	27-Sep-23	I, Final Clean
A1360	Punchlist	1	28-Sep-23	28-Sep-23	l: Purichlist
A5230	Install Windows	5	03-Oct-23	09-Oct-23	💼 Install Windows
A5240	Install Metal Panels	10	10-Oct-23	23-Oct-23	🔲 Install Metal Panels
A1280	Roof Install	10	24-Oct-23	06-Nov-23	💼 Roof Install
A1290	Interior Rough / Second Floor	15	07-Nov-23	29-Nov-23	Interior Rough / Second Floor
A1370	Turnover to Tenant	1	30-Nov-23	30-Nov-23	1 Turnover to Tenant
Under Ground Ut		97	01-Jun-23	17-Oct-23	
A4250	Installation 8" Drain Line	10	01-Jun-23	14-Jun-23	🔲 Installation 8" Drain Line
A5160	Relocate/Reroute Waterline	5	01-Jun-23	07-Jun-23	Relocate/Reroute Waterline
A5170	Asbuilt & Certification for Water line	10	08-Jun-23	21-Jun-23	Asbuilt & Certification for Water line
A5170 A5200	the state of the second s	10		21-Juli-23 06-Jul-23	SFWM Review & Approval of 8" Drain Line
	SFWM Review & Approval of 8" Drain Line		15-Jun-23	and the second sec	Installation Sanitary Main at Bump out
A5310	Installation Sanitary Main at Bump out	10	15-Jun-23	28-Jun-23	Palm Beach County Water Utilities Review & Approval of the Asbuilts
A5180	Palm Beach County Water Utilities Review & Approval of the Asbuilts	20	22-Jun-23	20-Jul-23	Palm Beach County Water Counter Review & Approval of the Asbuilts
A5190	Palm Beach County Health Department Review & Approval of the Asbuilts	20	22-Jun-23	20-Jul-23	- 1
A5320	Installation Sanitary at Tug Tunnel & Gate B4 Tie-in	15	27-Sep-23	17-Oct-23	(nstallation Sanifary at Tug Tunnel & Gate B4 Tie-in
Apron Construct	ion and the second s	90	21-Jul-23	29-Nov-23	
A5360	Concrete Pad Under Bump Out	15	07-Nov-23	29-Nov-23	Concreté Pad Under Bump Out
Gates B5 & B7		45	21-Jul-23	22-Sep-23	
A5250	Apron Construction FRP Lanes 1 & 3 - Gates B5 & B7	5	21-Jul-23	27-Jul-23	Apron Construction FRP Lanes 1 & 3 - Gates B5 & B7
A5260	Apron Construction FRP Lanes 2 & 4 - Gates B5 & B7	5	28-Jul-23	03-Aug-23	Apron Construction FRP Lanes 2 & 4 - Gates B5 & B7
A5300	Apron Cure Time Lane 1- Gates B5 & B7	28	28-Jul-23	24-Aug-23	Aprón Cure Time Lane 1- Gates B5 & B7
A5280	Apron Construction FRP Lane 6 - Gates B5 & B7	5	04-Aug-23	10-Aug-23	Apron Construction FRP Lane 6 - Gates B5 & B7
A5340	Apron Construction FRP Lanes 5 & 7 - Gates B5 & B7	5	11-Aug-23	17-Aug-23	Apron Construction FRP Lanes 5 & 7 - Gates B5 & B7
A5330	Saw Cutting	10	18-Aug-23	31-Aug-23	🗖 Saw Cutting
A5290	Asphalt Transition for Lane 8 - Gates B5 & B7	5	25-Aug-23	31-Aug-23	Asphalt Transition for Lane 8 - Gates B5 & B7
A1310	Seal PCC	10	01-Sep-23	15-Sep-23	Seal PCC
A1320	Pavement Markings	5	18-Sep-23	22-Sep-23	Pavement Markings
		20	01-Sep-23	29-Sep-23	
Gas Line Constru			01-Sep-23	29-Sep-23	Gas line installation:
A4290	Gas line installation	20	CONTRACTOR DE LA CONTRACTÓRIA DE LA	CONTRACTOR CONTRA	
Tenant Fit Out - N		90	01-Dec-23	08-Apr-24	TenantFitOut
A1380	Tenant FitOut	90	01-Dec-23	08-Apr-24	
Temp Kitchen TS		90	28-Mar-23	02-Aug-23	
A5370	Tie to Existing Electric Panels - Temp Electric Room TS-201	3	28-Mar-23	30-Mar-23	Tie to Existing Electric Panels - Temp Electric Room TS-201
A3840	Install Temporary Wall - Kitchen TS-202	2	31-Mar-23	03-Apr-23	👔 Install Temporary Wall - Kitchen TS-202
A3850	Cut, Cap & Make Safe - Kitchen TS-202	3	04-Apr-23	06-Apr-23	Cut, Cap & Make Safe - Kitchen TS-202
A3860	Demo Ceiling & Floor - Kitchen TS-202	2	07-Apr-23	10-Apr-23	Demo Ceiling & Floor - Kitchen TS-202
A3870	Rework Overhead MEP's - Kitchen TS-202	5	11-Apr-23	17-Apr-23	Rework Overhead MEP's - Kitchen TS-202
A3880	Rework Overhead Mechanical - Kitchen TS-202	5	12-Apr-23	18-Apr-23	Rework Overhead Mechanical - Kitchen TS-202
A3890	Rework Overhead Fire Protection - Kitchen TS-202	5	13-Apr-23	19-Apr-23	Rework Overhead Fire Protection - Kitchen TS-202
A3900	Rework Overhead Plumbing - Kitchen TS-202	5	14-Apr-23	20-Apr-23	Rework Overhead Plumbing - Kitchen TS-202
A3910	Rework Overhead Electrical - Kitchen TS-202	5	17-Apr-23	21-Apr-23	Rework Overhead Electrical - Kitchen TS-202
A3920	Frame Interior Wals - Kitchen TS-202	3	24-Apr-23	26-Apr-23	Frame Interior Wals - Kitchen TS-202
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A3930	Frame Ceilings - Kitchen TS-202	2	27-Apr-23	28-Apr-23		
A3940	Install Door Frames - Kitchen TS-202	2	01-May-23	02-May-23	Install Door Frames - Kitchen TS-202	
A3950	Install Pass Thru Window - Kitchen TS-202	3	01-May-23	03-May-23	Install Pass Thru Window - Kitchen TS-202	
A3960	Electrical In-wall Rough-in - Kitchen TS-202	3	03-May-23	05-May-23	Electrical In-wall Rough-in - Kitchen TS+202	
A3970	Plumbing In-wall Rough-in - Kitchen TS-202	3	03-May-23	05-May-23	Plumbing In-wall Rough-in - Kitchen TS-202	
A3980	MEP Inspections - Kitchen TS-202	2	08-May-23	09-May-23	I MEP Inspections - Kitchen TS-202	
A4020	Hang, Tape & Finish Drywall - Kitchen TS-202	5	10-May-23	16-May-23	Hang, Tape & Finish Drywall - Kitcheri TS-202	
A4030	Prime Paint - Kitchen TS-202	2	17-May-23	18-May-23	I Prime Paint - Kitchen TS-202	
A3990	Install Lights - Kitchen TS-202	3	19-May-23	23-May-23	Install Lights - Kitchen TS-202	
A4000	Install Sprinklers Heads - Kitchen TS-202	2	19-May-23	22-May-23	Install Sprinklers Heads - Kitchen TS-202	
A4010	Kitchen Equipment Installed By Host - Kitchen TS-202	5	13-Jul-23	19-Jul-23	Kitchen Equipment Installed By Host-Kitchen TS-202	
A5770	Board of Health Approval - Kitchen TS-202	10	20-Jul-23	02-Aug-23	💼 Board of Health Approval - Kitchen TS-202	
Temp Electric	Room TS-201	72	31-Mar-23	12-Jul-23		
A4040	Install Temporary Wall - Temp Electric Room TS-201	1	31-Mar-23	31-Mar-23	Install Temporary Wall - Temp Electric Room TS-201	
A4050	Cut, Cap & Make Safe - Temp Electric Room TS-201	1	03-Apr-23	03-Apr-23	Cut, Cap & Make Safe - Temp Electric Room TS-201	
A4060	Demo Ceiling & Floor - Temp Electric Room TS-201	1	04-Apr-23	04-Apr-23	Demo Ceiling & Floor - Temp Electric Room TS-201	
A4080 A4070	Rework Overhead MEP's - Temp Electric Room TS-201	2	04-Apr-23	04-Apr-23	Rework Overhead MEP's - Temp Electric Room TS-201	
A4070 A4080	Rework Overhead Michanical - Temp Electric Room TS-201	2	06-Apr-23	07-Apr-23	Rework Overhead Mechanical - Temp Electric Room TS-201	
A4080 A4090	Rework Overhead Fire Protection - Temp Electric Room TS-201	2	07-Apr-23	10-Apr-23	Rework Overhead Fire Protection - Temp Electric Room TS-201	
A4090 A4100	Rework Overhead Plumbing - Temp Electric Room TS-201	2	10-Apr-23	11-Apr-23	Rework Overhead Plumbing - Temp Electric Room TS-201	
2 20 million and a second state of the second state.		2	a second a second s	a para menana seria da ana seria de se	Rework Overhead Electrical - Temp Electric Room TS-201	
A4110	Rework Overhead Electrical - Temp Electric Room TS-201	2	11-Apr-23	12-Apr-23	Frame Interior Wals - Temp Electric Room TS-201	
A4120	Frame Interior Wals - Temp Electric Room TS-201	1	13-Apr-23	13-Apr-23	Frame Ceilings - Temp Electric Room TS-201	
A4130	Frame Ceilings - Temp Electric Room TS-201	1	14-Apr-23	14-Apr-23	Install Door Frames - Temp Electric Room TS-201	
A4140	Install Door Frames - Temp Electric Room TS-201	1	17-Apr-23	17-Apr-23	Electrical In-wall Rough-in - Temp Electric Room TS-201	
A4160	Electrical In-wall Rough-in - Temp Electric Room TS-201	1	18-Apr-23	18-Apr-23	F F F F F F F F F F F F F F F F F F F	
A4170	Plumbing In-wall Rough-in - Temp Electric Room TS-201	1	18-Apr-23	18-Apr-23	Plumbing In-wall Rough-in - Temp Electric Room TS-201	
A4180	MEP Inspections - Temp Electric Room TS-201	1	19-Apr-23	19-Apr-23	MEP Inspections - Temp Electric Room TS-201	
A4190	Hang, Tape & Finish Drywall - Temp Electric Room TS-201	2	20-Apr-23	21-Apr-23	Hang, Tape & Finish Drywall - Temp Electric Room TS-201	
A4200	Prime Paint - Temp Electric Room TS-201	1	24-Apr-23	24-Apr-23	I Prime Paint - Temp Electric Room TS-201	
A4210	Install Lights - Temp Electric Room TS-201	1	25-Apr-23	25-Apr-23	Install Lights - Temp Electric Room TS-201	
A4220	Install Sprinklers Heads - Temp Electric Room TS-201	1	25-Apr-23	25-Apr-23	I Install Sprinklers Heads - Temp Electric Room TS-201	
A5130	Install Electrical Panels (T-BK1 & T-BK2) - Temp Electric Room TS-201	5	06-Jul-23	12-Jul-23	Install Electrical Panels (T-BK1 & T-BK2) - Temp Electric Room TS-201	
A5140	Install Electrical Panels (FMRT-BK1 & T-BK2-8) - Temp Electric Room TS-201	5	06-Jul-23	12-Jul-23	Install Electrical Panels (FMRT-BK1 & T-BK2-8) - Temp Electric Room TS-201	
Electrical Wor	k (Ceiling Lights, Pagers & Fire Alarm)	60	03-Aug-23	26-Oct-23		
A4300	Remove Existing Light Fixtures & Install New Light Fixtures	40	03-Aug-23	28-Sep-23	Remove Existing Light Fixtures & Install New Light Fixtures	
A4310	Remove Existing Fire Alarm Fixtures & Install Fire Alarm Fixtures	40	17-Aug-23	12-Oct-23	Remove Existing Fire Alarm Fixtures & Install Fire Alarm Fixtures	
A4320	Remove Existing Pager Fixtures & Install New Pager Fixtures	40	31-Aug-23	26-Oct-23	Remove Existing Pager Fixtures & Install New Pager Fixtures	
New Restroom	ns / Renovated Restroom	103	03-Aug-23	29-Dec-23		
	84/Family RR CB-283/Comm Room CB-285/ Corridor-CB-281/Corridor CB-286/CB-279	103	03-Aug-23	29-Dec-23		
A1390	Install Temp Partions & Close Burger King	3	03-Aug-23	07-Aug-23	Install Temp Partions & Close Burger King	
A1400	Cut, Cap & Make Safe	2	08-Aug-23	09-Aug-23	I Cut, Cap & Make Safe	
A1410	Demo Existing Space (Burger King)	2	10-Aug-23	11-Aug-23	I Demo Existing Space (Burger King)	
A1420	Rough-In Overhead Mechanical	2	14-Aug-23	15-Aug-23	I Rough-In Overhead Mechanical	
A1420	Rough-In Overhead Fire Protection	2	16-Aug-23	17-Aug-23	I Rough-In Overhead Fire Protection	
A1430	Rough-In Overhead Plumbing	2	18-Aug-23	21-Aug-23	Rough-In Overhead Plumbing	
A1450	Rough-In Overhead Electrical	2	22-Aug-23	23-Aug-23	Rough-In Overhead Electrical	
A1460	Frame Interior Wals	3	24-Aug-23	28-Aug-23	∎ Frame Interior Wals	
PROJECT ID: 22114						
DATA DATE: 28-Nov			[221140.0]		BI - Concourse B OCTOBER 2022 (Option 1) PRECON SCHEDULE	
PRINT DATE: 14-De	c-22 Completed Work		[221140-0	10.04-PCJ PE	BI - Concourse B OCTOBER 2022 (Option 1) PRECON SCHEDULE	
Page 3 of 5	a Systems, Inc.					
S Filliavera	Critical Remaining Work				Prove impossible w	

	01CD459-94CC-4285-B6F5-6D2AADB61FE5	Orig Dur	Start	Finish	2023 2024 2025
					Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar
A1470	Frame Ceilings	3	29-Aug-23	31-Aug-23	Frame Ceilings
A1480	Install Door Frames	2	01-Sep-23	05-Sep-23	Install Door Frames
A1490	Electrical In-Wall Rough-In	4	06-Sep-23	11-Sep-23	Electrical In-Wall Rough-In
A1500	Plumbing In-Wall Rough-In	5	12-Sep-23	18-Sep-23	Plumbing In-Wall Rough-In
A1510	Install Blocking	3	19-Sep-23	21-Sep-23	I Install Blocking
A1520	Install Carriers	3	22-Sep-23	26-Sep-23	Install Carriers
A1530	Overhead Inspections	1	27-Sep-23	27-Sep-23	Overhead Inspections
A1540	Hang Drywall Ceilings	2	28-Sep-23	29-Sep-23	Hang Drywall Ceilings
A1550	Tape & Fhish Ceilings	4	02-Oct-23	05-Oct-23	Tape & Fnish Ceilings
A1560	In-Wall Inspections		06-Oct-23	06-Oct-23	In-Wall Inspections
A1500	Hang Cement Board Walls	3	09-Oct-23	11-Oct-23	Hang Cemént Board Walls
		4			Hang Drywall Walls
A1580	Hang Drywall Walls		12-Oct-23	17-Oct-23	Ceramic Tile Walls
A1590	Ceramic Tile Walls	8	18-Oct-23	27-Oct-23	
A1600	Install Light Fixtures	3	30-Oct-23	01-Nov-23	
A1610	Install Sprinkler Heads	1	02-Nov-23	02-Nov-23) Install Sprinkler Heads
A1620	Install Grilles, Registers, Diffusers	1	03-Nov-23	03-Nov-23) Install Grilles, Registers, Diffusers
A1630	Install Milwork	3	06-Nov-23	08-Nov-23	Install Milwork
A1640	Paint Ceilings	2	09-Nov-23	10-Nov-23	I Paint Ceilings
A1650	Ceramic Tile Floors	5	13-Nov-23	17-Nov-23	Ceramic Tile Floors
A1660	Paint Walls	3	20-Nov-23	22-Nov-23	I Paint Walls
A1670	Install Countertops	3	27-Nov-23	29-Nov-23	I Install Countertops
A1680	Install Plumbing Fixures	5	30-Nov-23	06-Dec-23	🗧 Install Pjumbing Fixures
A1690	Install Doors & Hardware	1	07-Dec-23	07-Dec-23	I Install Doors & Hardware
A1700	Install Fire Alarm Devices	1	08-Dec-23	08-Dec-23	Install Fire Alarm Devices
A1710	Install Electrical Trim-Out	2	11-Dec-23	12-Dec-23	Install Electrical Trim-Out
A1720		· · · · · · · · · · · · · · · · · · ·	13-Dec-23	13-Dec-23	I Install Signage
A1720 A1730	Install Signage Install Sinks	2	13-Dec-23 14-Dec-23	15-Dec-23	I Install Sinks
				the second second	I Install Miscellaneous Specialties
A1740	Install Miscellaneous Specialties	2	18-Dec-23	19-Dec-23	Install Tollet Partitions
A1750	Install Toilet Partitions	2	20-Dec-23	21-Dec-23	
A1760	Install Toilet Accessories	2	22-Dec-23	26-Dec-23	
A1770	Punchlist Restrooms	3	27-Dec-23	29-Dec-23	Punchlist Restrooms
Women Restro	iom in the second s	102	03-Aug-23	28-Dec-23	
A5380	Install Temp Partions - Women Restroom	3	03-Aug-23	07-Aug-23	Install Temp Particins - Women Restroom
A5390	Cut, Cap & Make Safe - Women Restroom	3	08-Aug-23	10-Aug-23	Cut, Cap & Make Safe - Women Restroom
A5400	Demo Existing Space - Women Restroom	3	11-Aug-23	15-Aug-23	Demo Existing Space - Women Restroom
A5410	Rough-In Overhead Mechanical - Women Restroom	2	16-Aug-23	17-Aug-23	I Rough-In Overhead Mechanical - Women Restroom
A5420	Rough-In Overhead Fire Protection - Women Restroom	2	18-Aug-23	21-Aug-23	Rough-In Overhead Fire Protection Women Restroom
A5430	Rough-In Overhead Plumbing - Women Restroom	2	22-Aug-23	23-Aug-23	I Rough-In Overhead Plumbing - Women Restroom
A5440	Rough-In Overhead Electrical - Women Restroom	2	24-Aug-23	25-Aug-23	I Rough-In Overhead Electrical-Women Restroom
A5450	Frame Interior Wals - Women Restroom	- 3	28-Aug-23	30-Aug-23	Frame Interior Wals - Women Restroom
A5460	Frame Ceilings - Women Restroom	3	31-Aug-23	05-Sep-23	Frame Ceilings - Women Restroom
A5400	Install Door Frames - Women Restroom	2	06-Sep-23	07-Sep-23	Install Door Frames - Women Restroom
A5480		4	08-Sep-23	13-Sep-23	Electrical In-Wall Rough-In - Women Restroom
	Electrical In-Wall Rough-In - Women Restroom	5	ana ta seta mina ta tana kana ana ana an	e Constant and the second s	Plumbing In-Wall Rough-In - Women Restroom
A5490	Plumbing In-Wall Rough-In - Women Restroom		14-Sep-23	20-Sep-23	Install Biocking - Women Restroom
A5500	Install Blocking - Women Restroom	3	21-Sep-23	25-Sep-23	Install Ducking - Women Restroom
A5510	Install Carriers - Women Restroom	5	26-Sep-23	02-Oct-23	Overhead Inspections - Women Restroom
A5520	Overhead Inspections - Women Restroom	1	03-Oct-23	03-Oct-23	
		. 1			
JECT ID: 221140 A DATE: 28-Nov-		estone			
NT DATE: 14-Dec			[221140-0	10.04-PC] PI	BI - Concourse B OCTOBER 2022 (Option 1) PRECON SCHEDULE
e 4 of 5	Completed Work				
	Systems, Inc. Remaining Work				
	Critical Remaining Work				Prove impossible wrong

	001CD459-94CC-4285-B6F5-6D2AADB61FE5	Orig Dur	Start	Finish							
					2023 2024 2025 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar						
A5530	Hang Drywall Ceilings - Women Restroom	2	04-Oct-23	05-Oct-23	I Hang Drywal Cellings - Worthen Restroom						
A5540	Tape & Fnish Ceilings - Women Restroom	4	06-Oct-23	11-Oct-23	🔳 Tàpe & Fnish Ceilings-Women Restroom						
A5550	In-Wall Inspections - Women Restroom	1	12-Oct-23	12-Oct-23	I In-Wall Inspections - Women Restroom						
A5560	Hang Cement Board Walls - Women Restroom	3	13-Oct-23	17-Oct-23	Hang Cement Board Walls - Women Restroom						
A5570	Hang Drywall Walls - Women Restroom	4	18-Oct-23	23-Oct-23	■ Hang Drywall Walls- Women Restroom						
A5580	Ceramic Tile Walls - Women Restroom	7	24-Oct-23	01-Nov-23	Ceramic Tile Walls- Women Restroom						
A5590	Install Light Fixtures - Women Restroom	3	02-Nov-23	06-Nov-23	📱 Install Light Fixtures - Women Restroom						
A5600	Install Sprinkler Heads - Women Restroom	1	07-Nov-23	07-Nov-23	I Install Sprinkler Heads- Women Restroom						
A5610	Install Grilles, Registers, Diffusers - Women Restroom	1	08-Nov-23	08-Nov-23	I Install Grilles, Registers, Diffusers - Women Restroom						
A5620	Install Milwork - Women Restroom	3	09-Nov-23	13-Nov-23	🔳 Install Millwork - Women Restroom						
A5630	Paint Ceilings - Women Restroom	2	14-Nov-23	15-Nov-23	I Paint Cellings - Women Restroom						
A5640	Ceramic Tile Floors - Women Restroom	5	16-Nov-23	22-Nov-23	Ceramic Tile Floors - Women Restroom						
A5650	Paint Walls - Women Restroom	2	27-Nov-23	28-Nov-23	í Paínt Walls - Women Restroom						
A5660	Install Countertops - Women Restroom	2	29-Nov-23	30-Nov-23	Instal Countertops - Women Restroom						
A5670	Install Plumbing Fixures - Women Restroom	3	01-Dec-23	05-Dec-23	∎ Install Plumbing Fixures - Women Restroom						
A5680	Install Doors & Hardware - Women Restroom	- 1	06-Dec-23	06-Dec-23	Install Doors & Hardware - Women Restroom						
A5690	Install Fire Alarm Devices - Women Restroom	1	07-Dec-23	07-Dec-23	Install Fire Alarm Devices - Women Restroom						
A5700	Install Electrical Trim-Out - Women Restroom	2	08-Dec-23	11-Dec-23	Install Electrical Trim-Out - Women Restroom						
A5710	Install Signage - Women Restroom	- 1	12-Dec-23	12-Dec-23	I Install Signage - Women Restroom						
A5720	Install Sinks - Women Restroom	2	13-Dec-23	14-Dec-23	I Install Sinks - Women Restroom						
A5730	Install Miscellaneous Specialties - Women Restroom	2	15-Dec-23	18-Dec-23	📱 Install Miscellaneous Specialties - Women Restroom						
A5740	Install Toilet Partitions - Women Restroom	2	19-Dec-23	20-Dec-23	I Instal Toilet Partitions - Women Restroom						
A5750	Install Toilet Accessories - Women Restroom	2	21-Dec-23	22-Dec-23	Install Tollet Accessories - Women Restroom						
A5760	Punchlist Restrooms - Women Restroom	3	26-Dec-23	28-Dec-23	Punchilst Restrooms - Women Restroom						
Testing & Com		20	19-Dec-23	17-Jan-24							
A3570	MEPF Testing & Commissioning - Package No. 1	10	19-Dec-23	03-Jan-24	MEPF Testing & Commissioning - Package No. 1						
A3580	Final Life Safety Testing - Package No. 1	10	04-Jan-24	17-Jan-24	Final Life Safety Testing - Package No. 1						

PROJECT ID: 221140-10-4 DATA DATE: 28-Nov-22 PRINT DATE: 14-Dec-22 Page 5 of 5 © Primavera Systems, Inc.

Remaining Level of Effort

Milestone

Actual Level of Effort

Completed Work Remaining Work

Critical Remaining Work

[221140-010.04-PC] PBI - Concourse B OCTOBER 2022 (Option 1)

PRECON SCHEDULE

SUFFOLK

Prove impossible wrong

SCOPE OF WORK

ATTACHMENT B: FEE BREAKDOWN

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

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

RS&H, INC.

Concourse B Expansion - Package 1: Construction Administration and Partial RPR Services

<u>Task</u>	Description		<u>Hours</u>	E	ee (Lump Sum)		Fee (NTE)
	1 Construction Administration Services		1,841	\$	346,087.90	\$	-
:	2 Project Closeout		137	\$	20,485.24	\$	-
:	3 Part Time RPR Services		764	\$	112,285.08	\$	-
		Subtotal RS&H Labor Hours Subtotal RS&H Labor Fee	2,742	\$	478,858.22	\$	
Subconsu	<u>iltants</u>						
	Keith - Task 1 & 2			\$	75,977.00	\$	-
	Keith - Task 3			\$	-	\$	350,238.00
	JLRD			\$	34,995.00	\$	-
	Quantum			\$	96,356.58	\$	-
	Tierra South Florida			\$	-	\$	17,175.00
		Subtotal Subconsultant Fee		\$	207,328.58	\$	367,413.00
Expenses							
	RS&H			¢		¢	40.695.00
	Travel (Task 1 & 2) Travel (Task 3)			\$ \$	-	\$ \$	40,695.00
	Other			\$	-	\$	3,000.00
	Subconsultants						
	Keith			\$	-	\$	2,500.00
		Subtotal Expenses		\$	-	\$	55,883.00
		Sub Total Project Fee		\$	686,186.80	\$	423,296.00

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Image: production of product in the product prod	Field Representative 311697 Administrati 500.37	HOURS HOURS A A A A A A A A A A A A A	\$981.56 \$986.52 \$986.52 \$303.10 \$14,378.66 \$6,743.22 \$742.52 \$4,417.20 \$3,463.94 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44 \$3,185.44\$3,185.44
Lotente Automation Automation Construction Construction Status Status <th>4</th> <th>4 4 4 2 2 2 2 3 888 48 44 24 22 22 22 3 16 3 16 3 3 3 3 3 3 3 3</th> <th>\$0.00 \$2,296.16 \$986.52 \$986.52 \$303.10 \$14,378.56 \$6,743.22 \$4,117.20 \$3,463.94 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,18</th>	4	4 4 4 2 2 2 2 3 888 48 44 24 22 22 22 3 16 3 16 3 3 3 3 3 3 3 3	\$0.00 \$2,296.16 \$986.52 \$986.52 \$303.10 \$14,378.56 \$6,743.22 \$4,117.20 \$3,463.94 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44\$3,185.44 \$3,185.44 \$3,185.44\$3,185.44 \$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,185.44\$3,18
Task 1 Construction Administration Services Image: construction Conference Image: construction Confe		4 4 4 2 2 2 2 3 888 48 44 24 22 22 22 3 16 3 16 3 3 3 3 3 3 3 3	\$2,296,10 \$981,56 \$986,52 \$303,10 \$1,4,378,56 \$6,743,22 \$742,52 \$4,117,20 \$3,463,34 \$3,185,44 \$3,185,44 \$3,185,44 \$3,185,44 \$3,179,12 \$1,127,61
1.1 Pre-Construction Conference 0 <t< td=""><td></td><td>4 4 4 2 2 2 2 3 888 48 44 24 22 22 22 3 16 3 16 3 3 3 3 3 3 3 3</td><td>\$2,296,10 \$981,56 \$986,52 \$303,10 \$1,4,378,56 \$6,743,22 \$742,52 \$4,117,20 \$3,463,34 \$3,185,44 \$3,185,44 \$3,185,44 \$3,185,44 \$3,179,12 \$1,127,61</td></t<>		4 4 4 2 2 2 2 3 888 48 44 24 22 22 22 3 16 3 16 3 3 3 3 3 3 3 3	\$2,296,10 \$981,56 \$986,52 \$303,10 \$1,4,378,56 \$6,743,22 \$742,52 \$4,117,20 \$3,463,34 \$3,185,44 \$3,185,44 \$3,185,44 \$3,185,44 \$3,179,12 \$1,127,61
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Civit - Aiffield Image: Civit - Aiffield		4 4 2 3 8 8 8 8 8 8 4 8 4 4 2 2 2 1 6 16 - 3 16 9 9 3 3 3 3 3	\$986.52 \$986.52 \$303.10 \$0.00 \$14,378.56 \$6,743.22 \$4,117.20 \$3,463.94 \$3,185.44 \$3,185.44 \$0.00 \$2,779.12 \$1,127.61
Image: Structural constraints of the structural constructural constraints of the structural con		4 2 3 88 48 4 24 22 16 - 3 16 9 9 3 3 3 3	\$986.52 \$303.10 \$0.00 \$14,378.56 \$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0.00 \$2,779.12 \$1,127.61
1.2 RFI Review 1 <t< td=""><td></td><td>2 3 88 48 44 24 22 16 </td><td>\$303.10 \$0.00 \$14,378.56 \$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0,00 \$2,779.12 \$1,127.61</td></t<>		2 3 88 48 44 24 22 16 	\$303.10 \$0.00 \$14,378.56 \$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0,00 \$2,779.12 \$1,127.61
1.2 RFI Review M			\$0.00 \$14,378.66 \$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0,00 \$2,779.12 \$1,127.61
PM A0 <		3 88 48 44 24 22 16 - 3 16 9 3 3 3	\$14,378.56 \$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0.00 \$2,779.12 \$1,127.61
Image: Constraint of the second se		48 4 24 22 16 - 3 16 9 3 3 3 3	\$6,743.22 \$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0,00 \$2,779.12 \$1,127.61
Interior Design Image: constraint of the		4 24 22 16 - 3 16 9 3 3 3 3	\$742.52 \$4,117.20 \$3,463.94 \$3,185.44 \$0.00 \$2,779.12 \$1,127.61
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		22 16 - 3 16 9 3 3 3	\$3,463.94 \$3,185.44 \$0.00 \$2,779.12 \$1,127.61
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PM 8 <		3 16 9 3 3	\$2,779.12 \$1,127.61
Architecture 2 1 6		9 3 3	\$1,127.61
Interior Design Interior D		3	
Civil-Airfield I		3	
Image: Structural Image: Structu			
Low Voltage Low Voltage M		3	
Submittal Review C <thc< th=""> C <thc< th=""></thc<></thc<>		4	\$536.04
Architecture 40 60 80		-	\$0.00
Interior Design 8 24	8		\$27,791.20
		180	
		32	
		40	
Structural 8 16 24 Low Voltage 8 16 8 16		48	
Low Voltage 8 16 Submittal Re-Review		- 24	\$4,397.84
During the second secon	1		
Architecture 8 12 16		36	
Interior Design		4	
Civil - Airfield 4 6		10	
Structural 2 2 4		8	
Low Voltage 1 4 4		9	
1.4 Construction Progress Meetings			\$0.00 \$0.00
Pre-Mobilization 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		- 4	
		4	
		4	
Structural 4		4	\$986.52
Low Voltage 4		4	\$606.20
Post Mobilization Post Mobiliz		-	\$0.00
On-Site (Hours captured in Task 1.5)		· ·	\$0.00
		-	\$0.00
PM 42 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		42	
Architecture 21 Civil - Airfield 24		21	
Contraction of the second seco		24	
Construction of the second sec		6	
1.5 Construction Progress Site Visits		<u> </u>	\$0.00
PM 84		84	\$24,109.68
Architecture 42 42		42	
Civil - Aifield 48 48		48	
Structural 48		48	
Low Voltage	· · · · · · · · · · · · · · · · · · ·	12	
1.6 Project Revisions	1	34	\$0.00 \$5,678.98
PM 16 Image: Constraint of the second secon	1	80	
Arcmeeture 10 32 32 16 20		36	
Civil-Airfield 18 24		42	
Structural 16 20 24		60	\$9,292.36
Low Voltage 32		32	\$4,849.60

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Concours		sion - Package 1: Construction Administration and Partial RPh	I	,								HOUR	29									Г]
				Senior Project	Senior		Intern	Senior		Senior	1	Intern	Senior	1	Intern	Senior		Intern	Senior Technical/	Field	Administrative	1	
			Principal \$349.99	Manager \$287.02	Architect	Architect	Architect	Architect \$245.39	Architect \$125.87	Engineer \$246.63	Engineer \$151.55	Engineer \$96.47	Engineer \$246.63	Engineer \$151.55	Engineer \$96.47	Engineer \$246.63	Engineer \$151.55	Engineer \$96.47	Designer \$117.33	Representative \$146.97	Assistant \$60.37	HOURS	TOTAL COST
	· · · · · · ·	Briedens of Toopdy rate	\$349.99	\$287.02	\$245.39	\$125.67	\$85.16	\$245.39	\$125.87	\$246.63	\$151.55	\$96.47	\$246.63	\$151.55	\$96.47	5246.63	\$151.55	\$96.47	\$117.33	\$146.97	\$60.37		(\$)
1.7		Request for Change Orders PM		5															}		5	- 10	\$0.00 \$1,736.95
		Architecture			1	2	2							1	1							5	\$667.45
		Interior Design			<u> </u> '				-												· · · · · ·		\$0.00
<u> </u>		Civil - Airfield		1						1		2										3	\$439.57
	-	Structural				-				1				-	1						1	1	\$96.47
		Low Voltage	1													1	1					3	
1.8		Substantial Completion Observation and Punchlist																				-	\$0.00
		Architecture			24																	24	\$5,889.36
		Civil - Airfield								12												12	\$2,959.56
		Structural									I		12									12	\$2,959.56
		Low Voltage									ļ			-	L		12				ļ	12	\$1,818.60
1.9		Final Observation PM		24								·				-						- 24	\$0.00 \$6,888.48
		Civil - Airfield		24						12												12	\$2,959.56
1.10	-	Material Testing - Site		+						14	 	1										- 12	\$0.00
		Civil - Airfield		1	1	-	<u> </u>			34		42		1		1				1		76	\$12,437.16
1.11		Threshold Inspection	l	1	1	t	l		1		1	1		1		1			1	1	1		\$0.00
		PM		2								1				1						2	\$574.04
		Structural											40									40	\$9,865.20
1.12		Short Circuit, Device Coordination & Arc Flash Analysis																				-	\$0.00
		PM		4																		4	\$1,148.08
1.13		Pay Application Review																				-	\$0.00
		PM		28																		28	\$8,036.56
1.14		Project Management and Project Coordination								1		·				1						-	\$0.00
1.15		PM Shutdown Coordination Efforts	8	26						ļ	<u> </u>	<u> </u>				<u> </u>					35	69	\$12,375.39 \$0.00
1.15		PM		32										-							35	- 67	\$0.00
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2.1		Record Documents																				-	\$0.00
		PM		1								ļ										1	\$287.02
		Architecture			4	4	24					· · · ·										32	\$3,528.88
		Interior Design						2	8						ļ							10	\$1,497.74
		Civil - Airfield								6		12	6		16							18 22	\$2,637.42 \$3.023.30
		Structural Low Voltage											0		10		16					16	\$2,424.80
		BIM															10		24	· · ·		24	\$2,815.92
2.2		Warranty Period Inspection																					\$0.00
		PM		4											· · · · ·	1						4	\$1,148.08
		Architecture																		i i		-	\$0.00
		Interior Design							1													-	\$0.00
		Civil - Airfield																				-	\$0.00
		Structural																	1			-	\$0.00
		Low Voltage				l																-	\$0.00
2.3		Utilities Final Certifiation		<u> </u>	L	1						L			· · · ·	ļ							\$0.00 \$287.02
		PM		1												<u> </u>						- 1	\$287.02
2.4		Project Management and Project Coordination PM	4	5																		- 9	\$2,835.06
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Task 3		Part Time RPR Services												1			S						
3.1		Partial RPR Services - Building																				-	\$0.00
	1.1	Pre-Construction Conference																				-	\$0.00
		RPR			ļ							I				I			ļ	4		4	\$587.88
	1.4	Construction Progress Meetings		+		 	I							l					<u> </u>	60		- 60	\$0.00 \$8,818.20
	1.13	RPR Pay Application Review		+								-								60		- 60	\$8,818,20
H	1.13	RPR		1	1							1		1						28		- 28	\$4,115.16
	3.1	On-Site Inspection	l		1				1					1	1							-	\$0.00
	1	RPR		1	1	1	t in the second se		1			1		1	1				1	672		672	\$98,763.84
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TOTAL	OR ALL T	ASKS (RS&H)	14	406	178	129	178	31	58	196	•	124	171	46	79	22	113	3	24	764	206	2,742	\$478,858.22

Sub Consultant - Labor E	Effort by Major Task Item (Lump Sum)	Task 1	Task 2	Task 3	
Keith	Civil - Utilities	\$	75,977.00	\$ 350,238.00	\$ 426,215.00
JLRD	Mechanical, Plumbing, Fire Protection	\$ 32,565.00	\$ 2,430.00	\$ -	\$ 34,995.00
Quantum	Electrical, Fire Alarm	\$ 91,106.64	\$ 5,249.94	\$ -	\$ 96,356.58
Tierra South Florida	Material Testing / Threshold Inspection Testing	\$ 17,175.00	\$ -	\$ _	\$ 17,175.00
SUB-TOTAL SUBCONSU	LTANTS (Labor)				\$ 574,741.58
Sub Consultant - Reimbu	Irsable Expenese (Not-To-Exceed)	 	 	 	
Keith	Civil - Utilities				\$ 2,500.00
SUB-TOTAL SUBCONSU	LTANTS (Expenses)				\$ 2,500.00
Keith	Civil - Utilities	 		 	\$ 428,715.00
JLRD	Mechanical, Plumbing, Fire Protection				\$ 34,995.00
Quantum	Electrical, Fire Alarm				\$ 96,356.58
Tierra South Florida	Material Testing / Threshold Inspection Testing		 		\$ 17,175.00
TOTAL SUBCONSULTAN	ITS				\$ 577,241.58

XPENS	ES								······
	TRAVEL				Airfare	Car	Lodging	Per Diem	
Task	Description	# Trips	# People	# Days	\$600	\$80	\$200	\$93	
1.1	Pre-Construction Conference			Vienes (Milli	\$600	\$640	\$800	\$744	\$2,784.0
1.5	Construction Progress Site Visits				\$5,400	\$6,320	\$8,000	\$7,347	\$27,067.0
1.8	Substantial Completion Observation and Punchlist	un istikitette			\$3,000	\$1,680	\$2,400	\$1,953	\$9,033.0
1.9	Final Observation								
	PM	3	1	2	\$0	\$480	\$600	\$558	\$1,638.00
3.1	Partial RPR Services - Building								
	RPR	1	1	1	\$0	\$80	\$0	\$93	\$173.00
	RPR	56	1	1	\$0	\$4,480	\$0	\$5,208	\$9,688.00
ji i san									
								SUBTOTAL TRAVEL	\$50,383.0
-	OTHER EXPENSES								
	Parking	L			\$1,000				\$1,000.00
- <u></u>	Badging				\$1,000				\$1,000.00
	Others				\$1,000				\$1,000.00
							SUBTOTAL	OTHER EXPENSES	\$3,000.00
OTAL E	XPENSES					L	1	1	\$53,383.0

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ATTACHMENT C: SUBCONSULTANT PROPOSALS

Concourse B Expansion: Package 1 – Construction Administraion & Partial RPR Services - (Version 1.0)

18



1450 Centrepark Boulevard, Suite 350 West Palm Beach, FL 33401 (561) 689-2303 • (561) 689-2302 Fax www.jlrdinc.com

AUTHORIZATION FOR ENGINEERING SERVICES

- CLIENT: Mr. Aaron Jackson, P. E. RS&H, Inc.
- PROJECT: PBI Concourse B Expansion Task I-22-PBI-R-031RE: Package 1 Construction Administration

DATE: October 5, 2022

JLRD PROJECT NO.: 120135

In accordance with the contract for the above referenced project, JLRD, Inc. is hereby authorized to perform the Construction Administration Services requested by RS&H, Inc. (the Client) as outlined below at a duration of 16 months:

Task I-22-PBI-R-031 Scope:

Task 1.1 Pre-Construction Conference

JLRD shall attend (1) pre-construction conference meeting at the Airport.

Task 1.2 RFIs / Substitutions / Submittal Review

JLRD will respond to RFIs, substitution requests, shop drawings, and other submissions furnished by the CMAR. Building RFIs, Building Submittals, and Building Re-Submittals are anticipated to be included in this Task.

Task 1.4 Construction Progress Meetings

JLRD shall participate in bi-weekly construction coordination meetings until the Contractor has mobilized, approximately 2 months at 1 hour per meeting. Pre-Mobilization, up to 4 meetings. When the Contractor is mobilized, meetings shall be weekly. Post-Mobilization, up to 8 meetings on-site and up to 24 meetings remotely, at 1 hour each.

Mr. Aaron Jackson, P. E. RE: PBI Concourse B Expansion - Task I-22-PBI-R-031 Date: October 5, 2022

Task 1.5 Construction Progress Site Visits

JLRD shall participate in monthly construction progress site visits to be accompanied by a field observation report. Maximum of 8 site visits including Post-Mobilization.

Task 1.6 Project Revisions

JLRD shall participate in the preparation of documentation for Field Instructions and Field Bulletins for unforeseen conditions, as approved by the Owner. Review Contingency Adjustment Requests and Change Order Requests and provide recommendation of acceptance to Owner. Maximum of 10 Field Instruction or Field Bulletin submissions.

Task 1.7 Request for Change Orders

JLRD shall participate in evaluation of Contractor request for change orders and provide recommendations for approval or disapproval to the Owner. Maximum of 10 change order requests.

Task 1.8 Substantial Completion Observation and Punchlist

JLRD shall participate in observation of the project at each phase of project completion and provide punch list for resolution prior to recommended approval to the airport of substantial completion. A maximum of 5 observations and punch list documents are included.

Task 1.9 Final Observation

JLRD shall support the Project Manager and Project Architect as required for the final observation walk-through. One site visit.

Task 2.1 Record Documents

JLRD shall obtain red-line as-builts drawings from Contractor and prepare "Record Drawings", which will become property of the Owner. Included are updated drawings (PDF and DWG), updated specifications (PDF), and Revit model (L300).

Task 2.2 Warranty Period Inspection

JLRD shall conduct an on-sit mechanical warranty inspection for each phase of the project at the 11-month installation date. Maximum of 5 construction phases for mechanical inspection.



EXCLUSIONS:

- 1. Witness factory testing. (Task 1.3)
- 2. Owner directed design changes that require additional engineering and documentation. (Task 1.6)
- 3. Materials Testing Site (Task 1.10)
- 4. Threshold Inspection (Task 1.11)
- 5. Short Circuit, Device Coordination and Arch Flash Analysis (Task 1.12)
- 6. Pay application and supporting data review. (Task 1.13)
- 7. Project Management (Task 1.14)
- 8. Project Management and Discipline Coordination (Task 2.3)
- 9. RPR (Resident Partial Representative) Services (Task 3)
- 10. Commissioning of Fixtures and Equipment

FEES:

- 1. The above-mentioned scope shall be provided based upon a lump-sum fee amount as follows:
 - Thirty Four Thousand Nine Hundred Ninety-Five Dollars (\$34,995.00)

TIME OF PERFORMANCE:

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

Accepted By:

Date:

DocuSign Envelope ID: 901CD459-94CC-4285-B6F5-6D2AADB61FE5

			-			HOURS						
		Principal	Project Engineer	Engineer	Senior Designer	Designer	Construction Admin	Draftsperson	Cierical		HOURS	TOTAL COS
		\$200.00	\$130.00	\$85.00	\$120.00	\$75.00	\$105.00	\$55.00	\$65.00			(\$)
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Task #	Description											la la la la compositione de la comp
1.1	Pre-Construction Conference	-	-	-	6		-	-	•	-	6	9
	HVAC				2							
	Plumbing				2							
	Fire Protection				2							
1.2	RFIs / Submittals / Submittal Review (# TBD)	-	-	-	-	-	48	12	12	-	72	\$6,4
	HVAC						16	4	4			
	Plumbing						16	4	4			
	Fire Protection						16	4	4			
1.4	Construction Progress Meetings (8 on-site, 24 remote)		-	-		-	80			-	80	\$8,4
	HVAC	T					40					
	Plumbing		1		1		20			1		
	Fire Protection		1	1	1		20			<u> </u>		
1.5	Construction Progress Site-Visits and Reports (8 visits)	· .	-	-	_	-	20		6	-	26	\$2,
1.5	HVAC	T		-			10		2		20	ΨΖ,
	Plumbing						5		2			
		_			-							<u> </u>
	Fire Protection						5		2			0.0
1.6	Project Revisions (10 Bulletins)		-	-	60	-	-	30	-		90	\$8,
	HVAC	_			20			10				
	Plumbing				20			10				
	Fire Protection				20			10				
1.7	Request for Change Orders (10 COs)	-	-	-	-	-	15		-	-	15	\$1,
	HVAC						5					
	Plumbing		1				5					
	Fire Protection				1		5					
1.8	Substantial Completion Observation and Punchlist (5 visits)	-	-	-	-	-	20		9		29	\$2,
	HVAC						10		3			
	Plumbing						5		3			
	Fire Protection						5		3			
1.9	Final Observation (1 visit)	•	-	-	-	-	3	-	•	-	3	\$
	HVAC						1					
	Plumbing						1					
	Fire Protection			1			1					
2.1	Record Documents (DWG, PDF, RVT)		-	-	6	-	-	12	-	-	18	\$1,
and the second s	HVAC	Γ	1		2			4				
	Plumbing	1		1	2		1	4				
	Fire Protection	1		1	2		1	4		1		
2.2	Warranty Period Inspection (5 visits)	- I	1000	-		-	10		-	-	10	\$1,0
	HVAC						10				10	ψ1, \$1,
		-		1			10				- 10	φ1,C
I	Task Total				144		392	108	54		359	\$34,
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TOTAL FOR A					144		392	108	54		359	¢0.4
JIALFURA	ALL IADAD	-		•	1 144	-	J92	108	54	•	309	\$34,9



AGREEMENT FOR PROFESSIONAL SERVICES

January 24, 2023

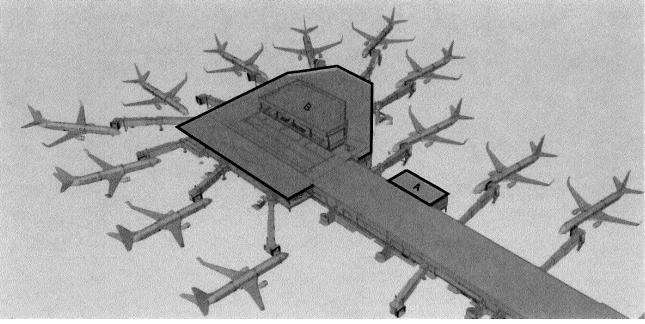
Aaron R Jackson, P.E. RS&H, Inc. 3125 W. Commercial Blvd. Suite 130 Fort Lauderdale, FL 33309 Phone: (954) 236 - 7364 E-mail: Aaron.Jackson@rsandh.com Project Name: PBI Concourse B Expansion – Package 1 Construction Admin & RPR KEITH Project Number: 10216.13

Dear Mr. Jackson:

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

PROJECT UNDERSTANDING

The CLIENT has requested that KEITH provide construction administration for KEITH's Civil (Water/Sewer) services, as well as RPR services for all Civil Site elements. KEITH will provide these services for Package 1 only under this proposal, which includes Civil Site limits in relation to the building bump out area A shown in Site Map below.



Project Areas – Site Map

www.KEITHteam.com

pompano beach (HQ) • fort Lauderdale • miami • west palm beach • orlando • tallahassee

January 24, 2023 / Page 2 of 5 10216.13 PBI Concourse B Expansion – Construction Admin. & RPR RS&H

PROJECT SCOPE

KEITH will provide the below services to assist the CLIENT and Project Team.

□ Survey

- □ ALTA/NSPS
- □ Topography □ Boundary

- Sketch and Description
- Construction Layout
- Construction As-Built
- □ Other_

- □ Horizontal Designation
- □ Location Services
- Utility Mapping
- □ Records Research
- Other____

□ Planning Services

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

□ Civil Engineering Services

- □ Paving, Grading and Drainage
- □ Water Distribution and Sanitary Sewer
- Erosion Control Plan
- Other____

□ Transportation Engineering Services

- □ Major Roadway
- □ Minor Roadway
- Drainage
- Maintenance of Traffic Plans
- □ Quality Control □ Other____

□ Traffic Engineering Services

- □Traffic Impact Study
- □Traffic Impact Statement
- Parking Study
- D Pavement Marking and Signage
- □ Signalization
- □ Roadway Lighting
- Other

□ Landscape Architecture Services

- □ Hardscape and Paving
- Fine Grading
- □ Landscape
- Irrigation
- □ Site Lighting
- □ Pools or Water Features
- □ Specialty Features
- □ Tree Inventory & Analysis
- Other

☑Construction/Program Management Services

- Permitting
- Bidding Assistance
- □ Building Permit Coordination
- Construction Observation
- \boxtimes Construction Certification
- Civil Site RPR

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



January 24, 2023 / Page 3 of 5 10216.13 PBI Concourse B Expansion – Construction Admin. & RPR RS&H

DESCRIPTION OF SERVICES AND DELIVERABLES

CONSTRUCTION / PROJECT MANAGEMENT SERVICES

Task 801 Construction Observation for Engineering Certification

KEITH shall provide construction engineering services in order to ensure the integrity of the design intent and certify to the CLIENT and other jurisdictional agencies that the construction work for the Civil (Water and Sewer) design has been completed in substantial compliance with the approved documents and permits. Any revisions or deviations to original construction documents, including but not limited to, substitutions and/or unforeseen conditions may impact schedule and may require additional fees. Services included are described as follows and are anticipated to take the timeframe outlined in the August 2022 schedule from the CMAR:

Shop Drawing Reviews

KEITH shall review shop drawings, samples, and calculations, which the selected contractor is required to submit for review in reference to the Civil Water and Sewer design. This review will only be for conformance with the design concept of the project and compliance with the information provided on the KEITH design drawings and specifications. Such review will not extend to methods, means, techniques, construction sequence(s) or procedures, or to safety precautions and related programs. KEITH shall also determine the acceptability, subject to CLIENT approval, of substitute materials and equipment proposed by contractors.

Periodic Site Visits and Construction Observation

KEITH shall visit the Project at intervals appropriate to the various stages of construction, as KEITH deems necessary to observe as an experienced and qualified design professional to review the progress and quality of the various aspects of the contractor's work. KEITH shall attend one (1) pre-construction meeting, four (4) pre-mobilization virtual meetings, twelve (12) post-mobilization virtual meetings for Utility Engineer, four (4) construction progress site visits, and thirty-two (32) virtual progress meetings for RPR. Re-tests and failed inspections will be invoiced on a time and material basis in accordance with our Professional Service Fee schedule (attached).

As-builts Review

KEITH will review the record drawings (as-builts) to ensure substantial conformance to the approved plans. KEITH will only review and reject any particular as-built plans set a maximum of two (2) times, any additional review will be considered additional services. The contractor will be expected to have the as-builts revised in accordance with all comments.

Final Inspections

KEITH shall participate, with the Jurisdictional Utility Agency, in a semi-final inspection for the purpose of determining if the project is substantially complete and participate in the preparation of a written "Punch List" of all incomplete, defective or deficient items. Upon notice from the CLIENT, participate in a final inspection together with the Jurisdictional Utility Agency and contractor representatives to assure that all "Punch List" items are complete, and the work is indeed completed in accordance with all contract documents. Upon completion of the final inspection, certify, in writing, that the work in-place is acceptable, subject to any conditions therein expressed. This service is anticipated to be two (2) inspections, additional inspection(s) will be invoiced based on our Professional Service Fee schedule.

Task 802 Construction Engineering

Issue Clarifications

KEITH shall issue all instructions and revisions of the CLIENT to Contractor(s); issue necessary



January 24, 2023 / Page 4 of 5 10216.13 PBI Concourse B Expansion – Construction Admin. & RPR RS&H

interpretations and clarifications of the contract documents; have authority, as the CLIENT'S representative to require special inspection or testing of the work; act as initial interpreter of the requirements of the contract documents and judge of the acceptability of the work there under, and make decisions on all claims of the CLIENT and contractor(s) relating to the acceptability of the work or the interpretation of the requirements of the contract documents pertaining to the execution and progress of the work.

Meetings and Conference calls

KEITH shall attend and or participate in project meetings and conference calls as previously noted. KEITH shall review requests for information prepared by the Contractor and respond accordingly to all parties. KEITH will prepare drawings supplemental information needed to address the contractor's request for information.

Final Certification

KEITH will prepare final certification to all appropriate permitting agencies utilizing record drawings for the design from the survey information supplied by the contractor, or by other means agreed to by both KEITH and CLIENT.

Note: It is the Contractor's responsibility to coordinate through KEITH the scheduling of testing, including hydrostatic pressure tests, bacteriological samples, and density tests. KEITH shall represent the CLIENT in performing periodic observation of construction as necessary to confirm construction is in accordance with the approved plans.

The Construction Engineering and Certification for the work is for an anticipated period of two (2) months beyond the construction completion date for certifications.

We anticipate the following items requiring as-built certification:

- Water System
 - Sanitary Sewer System

Note: Construction-related surveying (stakeout, as-built plans, etc.) and testing (densities, concrete, LBR'S, etc.) services are not included in this Agreement.

Task 803 Civil Site RPR Construction Observation

Partial RPR Services - Site

KEITH shall provide part-time Site RPR services for the project that will consist of on-site presence and observation for (3) three days per week for (14) fourteen months. The RPR will observe the on-site construction to confirm the work is in compliance with the contract documents and is progressing according to the construction schedule. Consultant is not responsible for the means, methods, techniques, sequences or procedures of construction selected by the contractor(s) or the safety precautions and programs incident to the work of the construction and any deficiencies or discrepancies observed. The RPR will immediately make the contractor aware of any deficiencies observed and coordinate with the Contractor, and Engineer if need be, to resolve any deficient work. The RPR will coordinate with the QA testing company to layout testing locations, to ensure the required acceptance testing is performed and to verify that the testing results have met the requirements in the specifications. The RPR will review all progress as-builts to ensure they are within specification limits to proceed with subsequent work. The RPR will measure and track all civil related construction quantities and confer with

January 24, 2023 / Page 5 of 5 10216.13 PBI Concourse B Expansion – Construction Admin. & RPR RS&H

the contractor weekly to agree on measured quantities. The RPR will attend the construction progress meetings noted above as well as coordinate with other discipline team members for support during site visits. The RPR will review the final as-builts and provide comments/observations to Engineer for final approval. At project completion, the RPR shall provide a certification to the best of their observations and review, that the project was constructed in accordance with the construction documents. This task assumes an effort of (33) thirty-three hours per week for (14) fourteen months for site inspection, reporting, and meetings.

SCHEDULE

CONSTRUCTION/PROGRAM MANAGEMENT SERVICES	
Task 801 Construction Observation for Engineering Certification	Per CMAR Schedule
Task 802 Construction Engineering	Per CMAR Schedule
Task 803 Civil Site RPR Construction Observation	Per CMAR Schedule

COMPENSATION

Total Fee	\$428,715
Reimbursables (including Parking and Printing as needed)	\$2,500
Task 803 Civil Site RPR Construction Observation	\$350,238
Task 802 Construction Engineering	\$43,506
Task 801 Construction Observation for Engineering Certification	\$32,471
CONSTRUCTION/PROGRAM MANAGEMENT SERVICES	

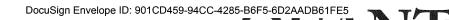
The CLIENT is required to execute this Addendum and return it to the CONSULTANT prior to commencement of the additional services described herein. All items, terms, and conditions of the original Agreement (as amended to include the scope defined herein) remain unchanged and in full force and effect.

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

As to CONSULTANT KEITH	As to CLIENT RS&H
	Signature:
Alex Lazowick	Print Name:
President	Title:
DATED:	DATED:

 \Box

				HOU	RS				
	Burdened hourly rate	Senior Project Manager \$294.66	Project Manager III \$220.99	Construction Manager \$191.53	Engineer III \$132.60	RPR Inspector III \$162.01		HOURS	TOTAL COST
									(\$)
	Construction / Project Management Services						a ang ta		Alizo Marcialia
801	Construction Observation for Engineering Certification							_ ·	
	Civil - Utility	-	104	8	60			172	\$32,471
802	Construction Engineering							-	
	Civil - Utility	16	114	8	91			229	\$43,506
803	Civil Site RPR Construction Observation	-						-	
	Civil - Site	-	-	120		2,020		2,140	\$350,238
	Task Total	16	218	136	151	2,020	•	2,541	\$426,215
Reimbursabl	es (Including Parking and Printing as Needed)								\$2,500
TOTAL FOR	ALL TASKS AND REIMBURSABLES	16	218	136	151	2,020	-	2,541	\$428,715



October 18, 2022

RS&H, Inc. Mr. Aaron Jackson, PE, LEED AP Aviation Structural Engineer 10748 Deerwood Park Blvd South, Jacksonville, FL 32256

Subject: Electrical Engineering Construction Administration (CA) Services Fee Proposal for the Palm Beach County Department of Airports (DOA) – Concourse B Package 1 CA Services. Includes Task 1 & 2 as reflected in RSH Scope of Services, Dated October 2022

'Electrical Engineering, Inc.

Dear Aaron,

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide RS&H an electrical engineering Construction Administration (CA) services fee proposal for the Palm Beach International Airport Switchgear Replacement Concourse B Package 1 CA Services with an anticipated construction duration of 16 months from notice to proceed to substantial completion. The following tasks are included in our scope:

Task 1: Construction Administration Services

Task 1.1: Pre-Construction Conference

• Includes attendance at (1) pre-construction meeting.

Task 1.2: RFI/Substitutions/Submittal Review

- Includes requests for information reviews & approvals. Assumption of 20 RFIs
- Includes substitution request reviews & approvals.
- Includes electrical shop drawings submittals reviews & approvals. Assumption of 31 shop drawings.

Task 1.3: Witnessing Factory Testing

Includes participation in up to 4 hours of factory testing via virtual program for Switchboard EBL and Transformer T-6.

Task 1.4: Construction Progress Meetings

- Includes attendance for up to 32 (1hr) progress construction meetings that will be attended as follows:
 - Attend 24 (1hr) progress construction meetings either virtually or via teleconference.
 - Attend 8 (1hr) on-site progress construction meetings.

Task 1.5: Construction Progress Site Visits

- Includes 8 (4 hours) on-site observation visits.
- Includes a written observation reports, documenting the findings of each site visit.

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

www.QuantumElectricalEngineering.com

Broward County 5571 N. University Drive, Suite 101 Coral Springs, FL 33067 954.369.5810 DocuSign Envelope ID: 901CD459-94CC-4285-B6F5-6D2AADB61FE5

Page 2

Mr. Aaron Jackson, P.E.

Electrical Engineering CA Services Fee Proposal for the Concourse B Package 1

Task 1.6: Project Revisions

• Includes minor plan alterations and revisions.

- Task 1.7: Change Directives and Change Notices
 - Includes change order reviews.

Task 1.8: Substantial Completion Observation and Punchlist

- Includes 5 site visits for substantial completion inspections (1 visit per phase) (5 phases).
- Development of electrical punch list per each substantial completion inspection.

Task 1.9 Final Observation

• Includes 5 site visits for final observation to verify completion of punch list (1 visit per phase) (5 phases).

Task 1.12: Short Circuit, Device Coordination & Arc Flash Analysis

- Up-dating the existing power system model in SKM Power Tools for Windows for the modifications to the electrical distribution systems.
- Perform Short Circuit, Device Coordination and Arc Flash Calculations using SKM.
- Review and evaluate device settings on approximately 100 circuit breakers/relays. Replace existing and/or create new Time Current Curves (TCC) for approximately 50 devices.
- Update one-lines, written report and tabular data.
- Develop new Arc Flash labels and replace the arc flash labels (approximately 580 labels) impacted by the Switchgear Replacement.
- Modify circuit breaker and relay settings for new and existing equipment as required by the study.

Task 1.15: Shutdown Coordination Efforts

 Includes attendance for up to 32 hours of shutdown coordination site visits and meetings that will be attended either virtually, teleconference or on-site.

Task 2: Project Closeout

Task 2.1: Record Documents

- Include review of Contractor "Red Line Plan Mark-ups."
 - Includes development of record drawings and specifications based on Contractor "Red Line Plan Mark-ups."

Task 2.2: Warranty Period Inspection

- Includes 5 site visits for warranty period inspections (1 visit per phase) (5 phases).
 - Development of electrical warranty discrepancy list per each inspection.

Exclusions and Assumptions

 QUANTUM shall provide one electronic set of record drawings in PDFs and AutoCAD and record specifications in PDF. RS&H shall provide all distribution and printing of all documents to DOA.

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

www.QuantumElectricalEngineering.com

Broward County 5571 N. University Drive, Suite 101 Coral Springs, FL 33067 954.369.5810 Page 3 Mr. Aaron Jackson, P.E. Electrical Engineering CA Services Fee Proposal for the Concourse B Package 1

Our proposed Lump Sum Fee for Task 1 is:	\$ 91,106.64
Our proposed Lump Sum Fee for Task 2 is:	\$ 5,249.94
Our proposed total Lump-Sum fee is:	\$ 96,356.58
(See Attachment for Breakdown)	

Sincerely,

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Amy Champagne-Baker, PE President

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FEE PROPOSAL ELECTRICAL SERVICES TO RS&H 10/18/2022									
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	Lump Sum	TOTA
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Task	TASK C
Task 1: Construction Administration Services									
Task 1.1: Pre-Construction Conference (1 meetings at 2hr ea)		2			2		4		\$553.8
Task 1.2: RFI/Substitutions/Submittal Review (20 RFIs/31 submittals)		142		40		40	222		\$25,095
Task 1.3: Witnessing Factory Testing		4			4		8		\$1,107
Task 1.4: Construction Progress Meetings (32 meetings at 1hr ea)		32					32		\$4,615
Task 1.5: Construction Progress Site Visits (8 visits at 4hrs ea)		32				16	48		\$5,353
Task 1.6: Project Revisions		80	20	40		10	150		\$17,538
Task 1.7: Change Directives and Change Notices		60			30		90		\$12,634
Task 1.8: Substantial Completion Observation and Punchlist (5 visits at 4hrs ea)		20			20	5	45		\$5,769
Task 1.9: Final Observation (5 visits at 4hrs ea)					20	5	25		\$2,884
Task 1.12: Short Circuit, Device Coordination & Arc Flash Analysis		32		16	16	4	68		\$8,030
Task 1.15: Shutdown Coordination Site Visits and Meetings		8			48		56		\$7,522
Subtotal	0	412	20	96	140	80	748		\$91,106
Task 2: Project Closeout									
Task 2.1: Record Documents		8	8	24			40		\$3,923.
Task 2.2: Warranty Period Inspection (5 visits at 2hr ea)					10		10		\$1,326.
Subtotal	0	8	8	24	10	0	50		\$5,249.
Grand Total Hours	0	420	28	120	150	80	798		



January 20, 2023

RS&H 10748 Deerwood Park Blvd South Jacksonville, FL 32256

 Attention: Aaron Jackson, PE, LEED AP Aviation Structural Engineer
 Subject: Revised Proposal for Construction Material Testing and Threshold Inspection Services PBIA Concourse B Expansion Palm Beach County, Florida TSFGeo Proposal No. 2210-594.1

Dear Aaron:

As requested, TSFGeo is pleased to submit this revised proposal to include Threshold Inspection Services along with Construction Material Testing Services for the above referenced project. We have included a general discussion of services that we understand will be required for this project and present our Schedule of Fees for these services.

PROJECT DESCRIPTION

Based on the available information, we understand that the project will consist of constructing a new bump-out addition to Concourse B. The structure addition will be founded on spread footings and concrete columns. The frame will be structural steel. There will also be apron replacement, water and drainage lines associated with the project.

QUALIFICATIONS

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

TSFGeo's Florida offices, located in Miami Lakes, West Palm Beach, Orlando, and Tampa, have over 45 engineers, inspectors, and support staff available to assist our clients. Our inspectors are ACI, CTQP and FDOT trained/certified in their respective disciplines, as required by industry standards. Our engineering staff includes registered professional engineers with significant construction experience in South Florida.

2765 Vista Parkway, Suite 10 • West Palm Beach, Florida 33411 561-687-8536 • <u>www.TSFGeo.com</u> State of Florida Professional Engineers License # 28073

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

PROPOSED SCOPE OF SERVICES

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

Based on our understanding of the project requirements, we anticipate that the following testing services will be required during the design and construction phases of the project.

CONSTRUCTION MATERIAL TESTING SERVICES

Sampling and Laboratory Testing

- Provide Modified Proctor, sieve analysis, organic content tests results on structural fill, footings, slab and backfill material, as required;
- Test compressive strength concrete cylinders and grout prisms for walls;
- Test flexure beams for the aprons; and
- Test compressive strength mortar cubes for masonry walls.

Construction Materials Testing

- Perform In-Place-Density testing on structural fill, footings, slab, subgrade, base and backfill material as needed;
- Conduct slump, and temperature testing on concrete;
- Mold compressive strength test cylinders (5 cylinders per set);
- Mold flexure beam specimens (2 beams per set); and
- Mold compressive strength tests prisms (4 prisms per set).

PROFESSIONAL SERVICES

- Provide weekly reports documenting laboratory tests and field data to appropriate parties;
- Provide Senior Engineer to review daily reports, coordination and meetings.

THRESHOLD INSPECTION SERVICES

STEEL REINFORCEMENT PLACEMENT OBSERVATIONS

• Special inspector's representatives on site as needed to observe the placement of steel reinforcement in spread footings, beams, columns, slab-on-grade, elevated slabs, and concrete masonry walls.

• Special inspector's representative on site as needed to monitor the erection of masonry walls and monitor the placement of masonry grout in fill cells.

CAST-IN-PLACE CONCRETE

• Special inspector's representatives on site as needed to monitor the placement of structural concrete.

STRUCTURAL STEEL

- Special inspector's representatives on site to verify delivered structural steel members complying with sizes of designed members. Provide American Welding Society Certified Welding Inspectors (CWI) to observe visually welded and/or bolted connections.
- Special inspector's representatives on site to visually inspect the corrugated metal deck sheets as placed on the roof members and verify puddle welds and side laps anchors.

PROFESSIONAL SERVICES

• Provide a Professional Engineer registered as a Special Inspector for Threshold Buildings. The Special Inspector (PE/SI) will perform periodic site visits, supervise the field activities, attend scheduled meetings, review laboratory tests and field observation reports, sign and seal daily inspection reports. Threshold inspection reports will be submitted on a periodic basis to Building Department. Upon completion of the structural components, we will submit a Statement of Completion to the Building Department.

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

ESTIMATED FEE

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

٠	Construction Material Testing	\$ 9,615.00
٠	Threshold Inspection Services	\$ 7,560.00
	Estimated Total Fees	\$ 17,175.00

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

Respectfully submitted, **TSFGEO**

Stephen Hey

CS Department Manager

1 ħ,

R. Morgan Dickinson, P.E. Principal Engineer

Attachments:

Unit Fee Schedule

Fees Breakdown for **Construction Materials Testing Services**

ITEM	Quantity	Ra	te	Units	Exte	nded
Field and Laboratory Testing Services						
SOILS						
In-place density tests -Nuclear method (min 5 tests/trip)	40	\$ 2	5.00	test	\$	1,000.00
In-place density tests -Sand Cone method (min 5 tests/trip)	5	\$ 3	5.00	test	\$	175.00
Modified or Standard Proctor	2	\$ 12	0.00	test	\$	240.00
Gradation	2	\$ 6	5.00	test	\$	130.00
Organic Content	2	\$ 4	5.00	test	\$	90.00
Subtota	l				\$	1,635.00
CONCRETE/GROUT/MORTAR:						
Engineering Technician (test plastic concrete/grout, sample						
pickup, standby		\$ 6	0.00	hour	\$	-
Compression Testing of Concrete Cylinders-(set of 5)	8	\$ 6	0.00	set	\$	480.00
Compression Testing of Flexure Beams- (set of 2)	8	\$ 12	0.00	set		
Compression Testing of Grout Prisms-(set of 4)	2	\$ 5	0.00	set	\$	100.00
Additional Cylinders/Prisms (each)		\$ 1	8.00	each	\$	-
Additional Beams (each)		\$ 5	0.00	each	\$	-
Concrete Compression Test, Prepare cylinders & slump test						
on site & deliver to lab, (Min five (5) cylinders per set)	8	\$ 15	0.00	set	\$	1,200.00
Concrete Compression Test, Prepare beams & slump test on						
site & deliver to lab, (Min two (2) beams per set)	8	\$ 15	0.00	set	\$	1,200.00
Subtota	al 👘				\$	2,980.00
ASPHALT						
Asphalt Paving Technician (est. 2 days paving)	16	\$ 6	5.00	hour	\$	1,040.00
Asphalt Plant Technician (est. 2 days paving)	20	\$ 7	5.00	hour	\$	1,500.00
Subtota	al				\$	2,540.00
WELDING INPSECTIONS						
Welding inspector (min 4 hrs/trip)	4	\$ 9	0.00	hour	\$	360.00
Subtota	al				\$	360.00
Professional and Technical Services*					\$	-
Principal Engineer	10	\$ 16	5.00	hour	\$	1,650.00
Project Engineer		\$ 12	0.00	hour	\$	-
Administrative Services	10	\$ 4	5.00	hour	\$	450.00
Subtota	al				\$ \$	2,100.00
Total Estimated Fees					\$	9,615.00
ITEM	Quantity	Unit	s	Rate	Exte	nded
Professional and Technical Services*	•				\$	-
Principal Engineer/Registered Threshold Inspector	10	\$16	5.00	hour	\$	1,650.00
Threhsold Inspector Representative(min 4 hrs visit)				hour	\$	3,200.00
CWI for structural steel (min 4 hrs/visit)				hour	\$	2,160.00
Project Engineer				hour	\$	-
Administrative Services	10			hour	\$	550.00
		, ,			. f .	
Total Estimated Fees					\$	7,560.00

General Notes:

Please note the following procedures will apply to our services:

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

AUTHORIZATION

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

TSFGeo's General Conditions

- SCOPE OF WORK: Work means the specific geotechnical, analytical, testing or other service to be performed by TSFGeo as set forth in TSFGeo's proposal, Client's acceptance of the scope of work and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by TSFGeo. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of TSFGeo's work. TSFGeo shall have no duty or obligation to any third party greater than that set forth in TSFGeo's proposal. [Client's acceptance of TSFGeo's proposal and these General Conditions. The ordering of work from TSFGeo, or the reliance on any of TSFGeo's work, shall represent acceptance of the terms of TSFGeo's proposal, and these General Conditions, regardless of the terms of any subsequently issued document.
- RIGHT-OF-ENTRY -The client will provide right-of-entry for TSFGeo and all necessary equipment in order to complete the work. While TSFGeo will take all reasonable precautions to minimize any damage to
 the property, it is understood by Client that in the normal course of work some damage may occur, the correction of which is not part of this agreement.
- 3. DAMAGE TO EXISTING MAN-MADE OBJECTS -The Client, will provide the location of all underground utilities or obstructions to TSFGeo who, in the prosecution of their work, will take all reasonable precautions to avoid damage or injury to any such subterranean structure or utility. The Owner agrees to hold TSFGeo harmless for any damages to subterranean structures which are not called to TSFGeo's attention and correctly shown on the plans furnished and will reimburse TSFGeo for any expenses in connection with any claims or suits including reasonable attorney fees at the trial and appellate levels.
- 4. IN-PLACE MATERIALS TESTING TSFGeo will not be responsible for repair or damage to portions of structures designated for in-place materials testing. Repairs can be made for aesthetic reasons if requested in advance of the work to be performed. The cost for labor and materials would be charged.
- SAMPLE RETENTION TSFGeo will retain all soil and rock samples obtained for geotechnical explorations for 30 days. Samples subjected to Construction Materials and Laboratory testing are disposed of subsequent to testing. Further storage or transfer of samples can be made at Client's expense upon written authorization.
- 6. DEFINITION OF RESPONSIBILITY (OBSERVATION SERVICES) The presence of our field representative will be for the purpose of providing observation and field testing. Our work does not include supervision or direction of the actual work of the contractor, his employees or agents The contractor for this project should be so advised.
 - 6 1. The Contractor should also be informed that neither the presence of our field representative or the observation and testing by our firm shall excuse him in any way for defects discovered in his work. It is understood that TSFGeo will not be responsible for the Contractor's job or site safety on his project. That will be the sole responsibility of the contractor.
- STANDARD OF CARE -Service performed by TSFGeo under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently
 practicing under similar conditions. No other warranty, expressed or implied, is made.
 - 7.1. Client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys or explorations are made by TSFGeo and that the data, interpretations and recommendations of TSFGeo are based solely on the information available to it. TSFGeo shall not be responsible for the interpretation by others of information developed.
- ORAL AGREEMENTS No oral agreement, guarantee, promise, representation or warranty shall be binding.
- 9. OWNERSHIP OF DOCUMENTS -All reports, boring logs, field data and notes, laboratory test data, calculations, estimates and other documents prepared by TSFGeo, as instruments of service, shall remain the property of TSFGeo until final payment is received and a letter of copyright transfer been executed.
- 10. BASIS OF PAYMENT -Payment is due within 30 days of date of invoice. Payments not made when due shall bear interest at eighteen (18) percent annum or at the maximum rate allowed by law from the date of the invoice until same is paid.
 - 10.1 If the Client fails to make any payment due to TSFGeo for service and/or expenses within 60 days of date of invoice, TSFGeo may, after giving seven days' written notice to Client, suspend services until all outstanding amounts have been paid to TSFGeo in full. Further, TSFGeo may, in addition to withholding services, or singularly, withhold reports, plans and other documents not paid in full by the Client. In the event that final payment for completed work is not made, TSFGeo shall request that all copyrighted documents which were submitted to client be returned and all information used in project plans be removed from project documents.
 - 10.2 In the event it is necessary to take legal action to effect collection, whether or not litigation is commenced, the Client agrees to reimburse TSFGeo for expenses in connection with any claims or suits, including reasonable attorney's fees, including but not limited to the trial and appellate levels.
 - 10.3. This contract shall be governed by the laws of the State of Florida.
- 11. CONSTRUCTION REVIEW TSFGeo cannot accept responsibility for any design work unless the work includes services for construction review to determine whether or not the work performed is in substantial compliance with TSFGeo's conclusions and recommendations.
- 12. INDEMNIFICATION -TSFGeo agrees to hold hamless and indemnify Client from and against liability arising out of TSFGeo's negligent performance of the work. Client agrees to indemnify and hold TSFGeo hamless from all liability including all costs, attorney's fees and expenses of defense for any claims by any other person or corporation which may arise out of the performance or breach of this contract for which TSFGeo was not solely negligent.
- 13. LIMITATION OF LIABILITY -The Client/Owner agrees to limit TSFGeo's liability for negligent professional ads, errors or omissions, such that the total aggregate liability of TSFGeo shall not exceed \$50,000 or the total fee for the services rendered on this project, whichever is greater. The Owner further agrees to require the contractor and his subcontractors a similar limitation of liability suffered by the contractor or the subcontractors arising from TSFGeo's negligent professional ads, errors or omissions.
 - 13.1. If Client prefers to have higher limits on professional liability, TSFGeo agrees to increase the limits up to a maximum of \$1,000,000 upon Client's written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of 5 percent of our total fee. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.
- 14. INSURANCE -TSFGeo represents and warrants that it and its agents, staff and consultants employed by it are protected by Worker's Compensation insurance and Employer's Liability Insurance in conformance with applicable state laws. TSFGeo has such coverage under public liability and property damage insurance policies that TSFGeo deems to be adequate. A Certificate of Insurance can be supplied evidencing such coverage upon request.
 - 14.1. Within the limits and conditions of such insurance, TSFGeo agrees to indemnify and save client hamless from and against any loss, damage or liability arising from any negligent acts by TSFGeo, its agents, staff and consultants employed by it. TSFGeo shall not be responsible for any loss, damage or liability beyond the amounts, limits and considerations of such insurance. TSFGeo shall not be responsible for any loss, damage or liability arising from any acts by clients, its agents, staff and other consultants employed by it.
 - 14.2. Cost of the above coverage is included in our quoted fees. If additional coverage or increased limits of liability are required, TSFGeo will endeavor to obtain the requested insurance and charge separately for costs associated with additional coverage or increased limits.
- 15. TERMINATION -This agreement may be terminated by either party upon seven days written notice in the event of substantial failure by the other party to perform in accordance with the terms thereof. Such termination shall not be effective if the substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, TSFGeo shall be paid for services performed to the termination notice date plus reasonable termination expenses.
 - 15.1. In the event of termination or suspension for more than three months, prior to completion of all reports contemplated by this Agreement, TSFGeo may complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs for TSFGeo in completing such analyses, records and reports.
- 16. CLIENT'S OBLIGATION TO NOTIFY TSFGeo Client represents and warrants that it has advised TSFGeo of any known or suspected hazardous materials or conduitons, utility lines and pollutants at any site at which TSFGeo is to do work hereunder, and unless TSFGeo has assumed in writing the responsibility of locating sub-arface objects, structures, lines or conduits, Client agrees to defend, indemnify and save TSFGeo ham less from all claims, suits, losses, costs and expenses, including reasonable attorney's fees as a result of personal injury, deating on property damage occurring with respect to TSFGeo's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to TSFGeo's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to TSFGeo by Client
- 17. HAZARDOUS MATERIALS -This agreement shall not be interpreted as requiring TSFGeo to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants.

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Palm Beach County Department of Airports

EXHIBIT A-2 – Task III Services

TASK III SERVICES

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

TASK LEVEL / NO.	DESCRIPTION	BUDGET	
Task III-19-DOA-R-001	Misc. AEP and Construction Consulting Services Amendment #7	\$	0.00
Sub-total (Level 3)		\$	0.00

Palm Beach County Department of Airports

EXHIBIT B: DETAILED FEES, EXPENSESE AND PAYMENTS

EXHIBIT B-I: Summary of Fees

This Amendment #7, as described herein, consists of multiple tasks. As summarized below, these initial efforts have an overall budget of \$1,109,482.80

LEVEL 1 TASKS:

TASK Level / No.	DESCRIPTION	LUMP SUM	NOT-TO-EXCEED	REIMBURSABLE EXPENSES	TOTAL
I-23-PBI-R-031:	Concourse B Expansion Package 1 – Construction Administration & Partial RPR Services	\$686,186.80	\$367,413.00	\$55,883.00	\$1,109,482.80

LEVEL 3 TASKS:

TASK LEVEL / NO.	DESCRIPTION	TOTAL	
Task III-19-DOA-R-001	Misc. AEP and Construction Consulting Services Amendment #7	\$0.00	

Grand Total (Amendment #7)	\$1,109,482.80

EXHIBIT B-II: Schedule of Payments

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

The following is a list of projects in the Work Program #2: Amendment #7:

LEVEL 1 TASKS:					
Task I-23-PBI-R-031	<u>Concourse B Expansion Package 1 – Construction</u>				
	Administration & Partial RPR Services				
	Duration:	718 Working Days			
		(~514 Calendar Days)			
	Compensation:				
		\$1,109,482.80			
LEVEL 3 TASKS:					
Task III-19-DOA-R-	Misc. AEP and Con	struction Consulting Services Amendment			
001	#7				
	Duration:	As required in accordance with specific			
		Task Authorizations			
	Compensation:				
	•	\$0.00			
	TOTAL				
		\$1,109,482.80			

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

Palm Beach County Department of Airports

EXHIBIT C – PROPOSED SCHEDULES

Task I-23-PBI-R-031ConcourseBExpansionPackage1–ConstructionAdministration & Partial RPR ServicesDuration:718 Working Days(~514 Calendar Days)

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Palm Beach County Department of Airports

EXHIBIT D – DISADVANTAGED BUISINESS ENTERPRISE COMPLIANCE

Table D-1 summarizes the estimated fee for each of our team members that are certified DBE firms for Amendment 7.

Firm	Amendment 7 Totals		% of Amendment 7
Tierra South Florida	\$	17,175.00	1.55%
Quantum	\$	96,356.58	8.68%

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

TOTALS \$ 113,531.58 10.23%

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Palm Beach County Department of Airports

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

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

Firm	Base	Amendment 1	Amendment 2	Amendment 4	Amendment 5	Amendment 6	Amendment 7	Total Fees	% of Total
	(R2019-0612)	(R2020-0414)	(R2020-1607)	(R2021-0844)	(R2022-0263)	(R2023-0103)			Contract
	Totals	Totals	Totals	Totals	Totals	Totals	Totals		
Colome'	\$ 73,966.80	\$ 164,286.41	\$ -	\$-	\$ -	\$ -	\$ -	\$ 238,253.21	1.76%
Tierra South Florida	\$ 28,715.00	\$ 26,985.00	\$ 29,240.00	\$ -	\$ 3,165.00	\$ -	\$ 17,175.00	\$ 105,280.00	0.78%
Brown & Phillips	\$ 20,021.45	\$ 18,202.62	\$ 18,979.53	\$-	\$-	\$ -	\$-	\$ 57,203.60	0.42%
CECOS	\$-	\$ 5,403.70	\$-	\$-	\$-	\$ -	\$-	\$ 5,403.70	0.04%
Mobio	\$ 161,533.98	\$-	\$ 176,600.00	\$ 323,400.00	\$-	\$-	\$-	\$ 661,533.98	4.88%
Lakdas-Yohalem	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ -	0.00%
Connico	\$ 90,000.00	\$ 9,300.00	\$ 69,000.00	\$-	\$ -	\$-	\$-	\$ 168,300.00	1.24%
Digital Building Services (3D Point Scan)	\$ -	\$-	\$ 183,689.00	\$ -	\$-	\$ -	\$-	\$ 183,689.00	1.36%
Master Consulting Engineers	\$-	\$ 83,865.96	\$ 4,960.00	\$ 32,078.44	\$-	\$-	\$-	\$ 120,904.40	0.89%
Quantum	\$ -	\$ 181,491.77	\$ 1,229,569.80	\$ 149,029.00	\$ 542,155.33	\$ 548,241.35	\$ 96,356.58	\$ 2,746,843.83	20.28%
CRJ	\$ -	\$ 117,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,500.00	0.87%
TOTALS	\$ 374,237.23	\$ 607,035.46	\$ 1,712,038.33	\$ 504,507.44	\$ 545,320.33	\$ 548,241.35	\$ 113,531.58	\$ 4,404,911.72	32.51%

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SCHEDULE 1(A) LIST OF PROPOSED DBE FIRMS

(Professional Services)

	Airport Facilities & S	ystems Planning,	Design,	Engineering and	Construction	Management I	Professional	Services for
LOI/SOQ Project Description:	Palm Beach County	Department of Air	rports	0 0		ů.		

,	

Name of Respondent:RS&H, Inc.	Change Order/Task/Amendment No. (if applicable):	Amendment No 7

E-mail Address:_pat.hargrove@rsandh.com Contact Person: Pat Hargrove

Address: 10748 Deerwood Park Blvd S, Jacksonville FL 32256

Phone No.: ______ Fax No: ______ 800-464-4358

		Classification (Check applicable box)	Percentage of DBE Participation			
Name, Address & Phone No. of DBE Firm	Description of Type of Work		Black	Hispanic	Women	Other (Please Specify)
Quantum Electrical	Electrical Engineering Design Services	 □ Prime Consultant X Subcontractor □ Supplier □ Manufacturer 	%	%	<u> 8.68 </u> %	%
Tierra South Florida	Threshold Inspection / Material Testing Services	□ Prime Consultant X Subcontractor □ Supplier □ Manufacturer	%	%	%	% (Asian / Pacific)
		Prime Consultant Subcontractor Supplier Manufacturer	%	%	%	%
		 Prime Consultant Subcontractor Supplier Manufacturer 	%	%	%	%

Total Percentage of DBE Participation: _____ %

Notes:

- The percentages listed on this form for each DBE Firm must be supported by the percentages included on Schedule 2(A), "Letter of Intent to Perform as a Disadvantaged Business Enterprise", in 1. order to be counted toward attainment of the DBE goal.
- Firms identified on this form must be certified as a DBE by the State of Florida's Unified Certification Program. Certification status can be verified on the Florida Department of Transportation's 2. 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 ØBE Firms to ensure that the work is actually performed by the by the DBE Firms.

By: Pat Hargrove	
4C8126E58A4642F	
Signature	

Date: 2/6/2023

Pat Hargrove, AIA NCARB, Vice President, Aviation

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

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

	· · ·			
LOI/SOQ Project Descrip	Airport Facilities & Sys otion: Services for Palm Bea	stems Planning, Des ch County Departme	gn, Engineering and Constr ent of Airports	ruction Management Professional
Change Order/Task /Amo		ble):		
Name of Prime Respond				
Name of DBE Firm:	antum Electrical Er	igineering, Inc).	
The undersigned is certine Program. Check one or			erprise by the State of	Florida's Unified Certification
□ Black □ Hispar	nic X Wome	en	□Other (Please Spec	ify)
Prime Consultant X S	Subcontractor 🛛 🗆 Manı	ıfacturer	Supplier	
The undersigned is prep project (specify in detail t				on with the above-referenced
Electrical Engineering De	esign Services			
(Additional Shoota may be use				
(Additional Sheets may be used	a as necessary.)			
Total Percentag	ge of Participation by I	DBE Firm for th	is Project: <u>8.68</u>	%
and will enter into a forn Beach County.	nal agreement for work	with you condit	ioned upon your exec	cution of a contract with Palm
If the undersigned in subcontractor, please			n of the work des	scribed above to another
•			ork to be subcontracted)	% □ DBE Certified
(Name of Subcontracto	ır)	(Percentage of w	ork to be subcontracted)	□ Non-DBE
The undersigned affirm subcontracting the wor				rk described above without

Quantum Electrical Engineering, Inc.

Printed Na	ime of D	BF, Subc	ontractor		
By:	ami	Cham	pagne	Effanlaggne-Bak	er
	Si gnat ūi	88F83E37B4	EE		
Date:		2/6/20	023		

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

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

	(. rereccionare	
Airport Fa		Design, Engineering and Construction Management Professional rtment of Airports
-		
Name of Prime Respondent:	, Inc	
Name of DBE Firm: Tierra South F		
The undersigned is certified as a Dis Program. Check one or more classified		interprise by the State of Florida's Unified Certification
🗆 Black 🛛 🗆 Hispanic	□Women	XOther (Please Specify) Asian / Pacific
Prime Consultant X Subcontractor	Manufacturer	Supplier
project (specify in detail the particular	work and/or parts there	cribed work in connection with the above-referenced of to be performed):
Material Testing / Threshold Inspecti	on Services	
(Additional Sheets may be used as necessary.	<u></u>	
(Additional Sheets may be used as necessary.)	
Total Percentage of Particip	oation by DBE Firm for	this Project: <u>1.55</u> %
and will enter into a formal agreemen Beach County.	nt for work with you cor	nditioned upon your execution of a contract with Palm
If the undersigned intends to subcontractor, please complete th		tion of the work described above to anothe
		% □ DBE Certified
(Name of Subcontractor)	(Percentage c	of work to be subcontracted)
The undersigned affirms that it has subcontracting the work to another		sary to perform the work described above without ot as noted above.

Tierra South Florida, Inc.

Printed	Nameoofs BBB Subcontractor
By:	Morgan Diebingen Dickinson
	Signature
Date:	2/6/2023

Schedule 2(A) v.10-26-11 Attachment No. 2

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

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